

Publications Edited by Steven D. Aird

1. Abdelhamid, Rehab F., Kotaro Ogawa, Goichi Beck, Kensuke Ikenaka, Eriko Takeuchi, Yoshiaki Yasumizu, Jyunki Jinno, Yasuyoshi Kimura, Kousuke Baba, Yoshitaka Nagai, Yukinori Okada, Yuko Saito, Shigeo Murayama, Hideki Mochizuki and Seiichi Nagano. 2022. piRNA/PIWI Protein Complex as a Potential Biomarker in Sporadic Amyotrophic Lateral Sclerosis. *Molecular Neurobiology*. [DOI](#)
2. Abdelhamid, Rehab F. and Seiichi Nagano. 2023. Crosstalk between Oxidative Stress and Aging in Neurodegeneration Disorders. *Cells*. [DOI](#)
3. Abdurakhimov, Leonid V., Michael. A. Borich, Yuriy M. Bunkov, Rasul. R. Gazizulin, Denis Konstantinov, Michail. I. Kurkin and Anatoliy. P. Tankeyevc. 2018. Nonlinear NMR and magnon BEC in antiferromagnetic materials with coupled electron and nuclear spin precession. *Physical Review B*. [DOI](#)
4. Abu-Raddad, Laith J., Hiam Chemaitelly, Houssein H. Ayoub, Sawsan AlMukdad, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K. Smatti, Patrick Tang, Mohammad R. Hasan, Peter Coyle, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremijenko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al-Kuwari, Adeel A. Butt, Hamad Eid Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal and Roberto Bertolini. 2022. Effect of mRNA Vaccine Boosters against SARS-CoV-2 Omicron Infection in Qatar. *New England Journal of Medicine*. [DOI](#)
5. Abu-Raddad, Laith J., Hiam Chemaitelly and Roberto Bertolini. 2022. Waning mRNA-1273 Vaccine Effectiveness against SARS-CoV-2 Infection in Qatar. *New England Journal of Medicine*. [DOI](#)
6. Abu-Raddad, Laith J., Hiam Chemaitelly and Roberto Bertolini. 2022. Effectiveness of mRNA-1273 and BNT162b2 Vaccines in Qatar. *New England Journal of Medicine*. [DOI](#)
7. Abu-Raddad, Laith J., Hiam Chemaitelly and Roberto Bertolini. 2021. Severity of SARS-CoV-2 Reinfections as Compared with Primary Infections. *New England Journal of Medicine*. [DOI](#)
8. Abu-Raddad, Laith J., Hiam Chemaitelly, Houssein H. Ayoub, Patrick Tang, Peter Coyle, Mohammad R. Hasan, Hadi M. Yassine, Fatiha M. Benslimane, Hebah A. Al-Khatib, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al-Kuwari, Adeel A. Butt, Hamad Eid Al-Romaihi, Abdullatif Al-Khal, Mohametabd H. Al-Thani and Roberto Bertolini. 2022. Relative infectiousness of SARS-CoV-2 vaccine breakthrough infections, reinfections, and primary infections. *Nature Communications*. [DOI](#)

9. Abu-Raddad, Laith J., Hiam Chemaitelly, Houssein H. Ayoub, Peter Coyle, Joel A. Malek, Ayeda A. Ahmed, Yasmin A. Mohamoud, Shameem Younuskunju, Patrick Tang, Zaina Al Kanaani, Einas Al Kuwari, Adeel A. Butt, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Hadi M. Yassine, Mohamed Ghaith Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal and Roberto Bertollini. 2021. Introduction and expansion of the SARS-CoV-2 B.1.1.7 variant and reinfections in Qatar: A nationally representative cohort study. *PLOS Medicine*. [DOI](#)
10. Abu-Raddad, Laith J., Hiam Chemaitelly, Houssein H. Ayoub, Hadi M. Yassine, Fatiha M. Benslimane, Hebah A. Al Khatib, Patrick Tang, Mohammad R. Hasan, Peter Coyle, Zaina Al Kanaani, Einas Al Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al Kuwari, Adeel A. Butt, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal and Roberto Bertollini. 2021. Association of Prior SARS-CoV-2 Infection With Risk of Breakthrough Infection Following mRNA Vaccination in Qatar. *Journal of the American Medical Association*. [DOI](#)
11. Abu-Raddad, Laith J., Hiam Chemaitelly, Houssein H. Ayoub, Hadi M. Yassine, Fatiha M. Benslimane, Hebah A. Al Khatib, Patrick Tang, Mohammad R. Hasan, Peter Coyle, Sawsan AlMukdad, Zaina Al Kanaani, Einas Al Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al Kuwari, Adeel A. Butt, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal and Roberto Bertollini. 2021. Severity, Criticality, and Fatality of the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Beta Variant. *Clinical Infectious Diseases*. [DOI](#)
12. Abu-Raddad, Laith J., Hiam Chemaitelly, Peter Coyle, Joel A. Malek, Ayeda A. Ahmed, Yasmin A. Mohamoud, Shameem Younuskunju, Houssein H. Ayoub, Zaina Al Kanaani, Einas Al Kuwari, Adeel A. Butt, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Hadi M. Yassine, Mohamed Ghaith Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal and Roberto Bertollini. 2021. SARS-CoV-2 antibody-positivity protects against reinfection for at least seven months with 95% efficacy. *EClinicalMedicine*. [DOI](#)
13. Abu-Raddad, Laith J., Hiam Chemaitelly, and Adeel A. Butt. 2021. Effectiveness of the BNT162b2 Covid-19 Vaccine against the B.1.1.7 and B.1.351 Variants. *New England Journal of Medicine*. [DOI](#)
14. Abu-Raddad, Laith J., Hiam Chemaitelly, Hadi M. Yassine, Fatiha M. Benslimane, Hebah A. Al Khatib, Patrick Tang, Joel A. Malek, Peter Coyle, Houssein H. Ayoub, Zaina Al Kanaani, Einas Al Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F.

- Abdul Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal, Adeel A. Butt and Roberto Bertolini. 2021. Pfizer-BioNTech mRNA BNT162b2 Covid-19 vaccine protection against variants of concern after one versus two doses. *Journal of Travel Medicine*. [DOI](#)
15. Abu-Raddad, Laith J., Soha Dargham, Hiam Chemaitelly, Peter Coyle, Zaina Al Kanaani, Einas Al Kuwari, Adeel A. Butt, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Hadi M. Yassine, Mohamed G. Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal and Roberto Bertolini. 2022. COVID-19 risk score as a public health tool to guide targeted testing: A demonstration study in Qatar. *PLoS ONE*. [DOI](#)
16. Aguiar, Liza Araujo, Romulo Sousa Porto, Saad Lahlou, Vania Marilande Ceccatto, Roseli Barbosa, Telma Leda Gomes Lemos, Helcio Silva dos Santos, Andrelina Noronha Coelho-de-Souza, Pedro Jorge Caldas Magalhaes, Walter Araujo Zin and José Henrique Leal-Cardoso. 2012. Antispasmodic effects of a new kaurene diterpene isolated from *Croton argyrophyllumoides* on rat airway smooth muscle. *Journal of Pharmacy and Pharmacology*. [DOI](#)
17. Ahmadi, Ahmadreza and Jun Tani. 2019. A Novel Predictive-Coding-Inspired Variational RNN Model for Online Prediction and Recognition. *Neural Computation*. [DOI](#)
18. Ahmed, Mai, Yutaka Kojima and Ichiro Masai. 2022. Strip1 regulates retinal ganglion cell survival by suppressing Jun-mediated apoptosis to promote retinal neural circuit formation. *eLife*. [DOI](#)
19. Aikawa, Fumika K., Kazumu Kuramitsu and Yooichi Kainoh. 2020. Oviposition Experience by the Larval Parasitoid, *Cotesia kariyai*, on Nonhost, *Spodoptera litura*, Can Deter Subsequent Attacks. *Journal of Insect Behavior*. [DOI](#)
20. Ainsworth, Stuart, Daniel Petras, Mikael Engmark, Roderich D. Sussmuth, Gareth Whiteley, Laura-Oana Albulescu, Taline D. Kazandjian, Simon C. Wagstaff, Paul Rowley, Wolfgang Wuster, Pieter C. Dorrestein, Ana Silvia Arias, José Maria Gutiérrez, Robert A. Harrison, Nicholas R. Casewell and Juan J. Calvete. 2018. The medical threat of mamba envenoming in sub-Saharan Africa revealed by genus-wide analysis of venom composition, toxicity and antivenomics profiling of available antivenoms. *Journal of Proteomics*. [DOI](#)
21. Aird, Steven D. and Nelson Jorge da Silva, Jr. 2020. Chapter 13: Chemistry of Coralsnake Venoms, In: *Coralsnakes of Brazil and Meridional South America: Biology, Taxonomy, Venoms, and Envenomation*, Editora da Pontifícia Universidade Católica de Goiás, Goiânia, Goiás, Brasil. ISBN: 978-0-9720154-6-2.
22. Aird, Steven D. and Nelson Jorge da Silva Jr. 2020. Venom yields of Brazilian coralsnakes, In: *Advances in Coralsnake Biology with an Emphasis on South*

America, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA,
ISBN: 978-0-9720154-6-2.

23. Aird, Steven D., Editor. 2020. *Identification and Functional Characterization of Novel Venom Components*, MDPI, Basel, Switzerland, 200 pages + vii.
24. Aird, Steven D. , Jigyasa Arora, Agneesh Barua, Lijun Qiu, Kouki Terada and Alexander S. Mikheyev. 2017. Population genomic analysis of a pitviper reveals microevolutionary forces underlying venom chemistry. *Genome Biology and Evolution*. [DOI](#)
25. Aird, Steven D. 2002. Ophidian envenomation strategies and the role of purines. *Toxicon*. [DOI](#)
26. Aird, Steven D. 2004. Chromatographic behavior of *Bothrops erythromelas* phospholipase and other venom constituents on Superdex 75. *Preparative Biochemistry and Biotechnology*. [DOI](#)
27. Aird, Steven D. 2005. Taxonomic distribution and quantitative analysis of free purine and pyrimidine nucleosides in snake venoms. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*. [DOI](#)
28. Aird, Steven D. 2008. Nucleoside composition of *Heloderma* venoms. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*. [DOI](#)
29. Aird, Steven D. 2008. Snake venom dipeptidyl peptidase IV: taxonomic distribution and quantitative variation. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*. [DOI](#)
30. Aird, Steven D. 2009. The Role of Purine and Pyrimidine Nucleosides in Snake Venoms. *Handbook of Venoms and Toxins of Reptiles*, CRC Press, Boca Raton, FL.
31. Aird, Steven D. and Nelson Jorge da Silva Jr. 2020. Chemistry of coralsnake venoms, Chapter 14, In: Advances in Coralsnake Biology with an Emphasis on South America, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA, ISBN: 978-0-9720154-6-2.
32. Aird, Steven D. and Nelson Jorge da Silva Jr. 2016. Química dos venenos de cobras corais. *As Cobras Corais do Brasil: Biologia, Taxonomia, Veneno e Envenenamentos*, Editora PUC Goiás, Goiânia, Goiás, Brasil.
33. Aird, Steven D., Alejandro Villar-Briones, Michael C. Roy and Alexander S. Mikheyev. 2016. Polyamines as snake toxins and their probable pharmacological functions in envenomation. *Toxins (Basel)*. [DOI](#)
34. Aird, Steven D., Glen C. Womble, John R. Yates, 3rd and Patrick R. Griffin. 1999. Primary structure of gamma-bungarotoxin, a new postsynaptic neurotoxin from venom of *Bungarus multicinctus*. *Toxicon*. [DOI](#)
35. Aird, Steven D., Jr. Silva, Nelson Jorge da, Lijun Qiu, Alejandro Villar-Briones, Vera Aparecida Saddi, Mariana Pires de Campos Telles, Miguel L. Grau and

- Alexander S. Mikheyev. 2017. Coralsnake venomics: Analyses of venom gland transcriptomes and proteomes of six Brazilian taxa. *Toxins (Basel)*. [DOI](#)
36. Aird, Steven D., Shikha Aggarwal, Alejandro Villar-Briones, Mandy Man-Ying Tin, Kouki Terada and Alexander S. Mikheyev. 2015. Snake venoms are integrated systems, but abundant venom proteins evolve more rapidly. *BMC Genomics*. [DOI](#)
37. Aird, Steven D., Yutaka Watanabe, Alejandro Villar-Briones, Michael C. Roy, Kouki Terada and Alexander S. Mikheyev. 2013. Quantitative high-throughput profiling of snake venom gland transcriptomes and proteomes (*Ovophis okinavensis* and *Protobothrops flavoviridis*). *BMC Genomics*. [DOI](#)
38. Aizawa, Kenichi, Akari Ikeda, Shota Tomida, Koki Hino, Yuuki Sugita, Tomoyasu Hirose, Toshiaki Sunazuka, Hiroshi Kido, Shigeyuki Yokoyama and Ryozo Nagai. 2024. A Potent PDK4 Inhibitor for Treatment of Heart Failure with Reduced Ejection Fraction. *Cells*. [DOI](#)
39. Akai, Yuko, Ryuta Kanai, Norihiko Nakazawa, Masahiro Ebe, Chikashi Toyoshima and Mitsuhiro Yanagida. 2014. ATPase-dependent auto-phosphorylation of the open condensin hinge diminishes DNA binding. *Open Biology*. [DOI](#)
40. Akhouri, Reetesh, R, Suchi Goel, Hirotoshi Furusho, Ulf Skoglund and Mats Wahlgren. 2016. Architecture of Human IgM in Complex with *P. falciparum* Erythrocyte Membrane Protein 1. *Cell Reports*. [DOI](#)
41. Akiyama, Taishin and Tadashi Yamamoto. 2021. Regulation of Early Lymphocyte Development via mRNA Decay Catalyzed by the CCR4-NOT Complex. *Frontiers in Immunology*. [DOI](#)
42. Akiyama, Taishin, Toru Suzuki and Tadashi Yamamoto. 2021. RNA decay machinery safeguards immune cell development and immunological responses. *Trends in Immunology*. [DOI](#)
43. Akter, Eilma, Yukihiro Tasaki, Yusuke Mori, Kazuki Nakai, Kazuki Hachiya, Hancheng Lin, Masamitsu Konno, Tomoko Kamasaki, Kenji Tanabe, Yumi Ueda, Shotaro Yamano, Yasuyuki Fujita and Shunsuke Kon. 2022. Non-degradable autophagic vacuoles are indispensable for cell competition. *Cell Reports*. [DOI](#)
44. Al-Maslamani, Muna, Emad Bashier Ibrahim Elmagboul, Aslam Puthiyottil, Hiam Chemaitelly, Manoj Kizhakkepeedikayil Varghese, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal, Magnus Unemo and Laith J. Abu-Raddad. 2022. First characterisation of antimicrobial susceptibility and resistance of *Neisseria gonorrhoeae* isolates in Qatar, 2017–2020. *PLoS ONE*. [DOI](#)
45. Alamilla, J., Jiménez-Vargas, J.M., Galván-Hernández, A.R., Reyes-Méndez, M.E., Bermúdez-Gúzman, M.J., Restano-Cassulini, R., Olamendi-Portugal, T., Zamudio, F.Z., Possani, L.D., Valdez-Velázquez, L.L., 2021. Toxin Ct1a, from

- venom of *Centruroides tecomanus*, modifies the spontaneous firing frequency of neurons in the suprachiasmatic nucleus. *Toxicon*. [DOI](#)
46. Alareeki, Asalah, Susanne F. Awad, Julia A. Critchley, Katie G. El-Nahas, Abdulla O. Al-Hamaq, Salah A. Alyafei, Mohammed H. J. Al-Thani and Laith J. Abu-Raddad. 2023. Epidemiological impact of public health interventions against diabetes in Qatar: mathematical modeling analyses. *Frontiers in Public Health*. [DOI](#)
47. Alareeki, Asalah, Aisha M. M. Osman, Mohannad N. Khandakji, Katharine J. Looker, Manale Harfouche and Laith J. Abu-Raddad. 2022. Epidemiology of herpes simplex virus type 2 in Europe: Systematic review, meta-analyses, and meta-regressions. *The Lancet Regional Health - Europe*. [DOI](#)
48. Alenton, Rod Russel R., Keiichiro Koiwai, Rika Nakamura, Jumroensri Thawonsuwan, Hidehiro Kondo and Ikuo Hirano. 2019. A Hint of Primitive Mucosal Immunity in Shrimp through *Marsupenaeus japonicus* Gill C-Type Lectin. *The Journal of Immunology*. [DOI](#)
49. Alkausar, Radho, Ni L. G. R. Juliasih, Buhani, Syafei, Zeily Nurachman and Andi Setiawan. 2021. Chromatographic isolation of β-phycoerythrin from *Porphyridium cruentum* using ceramic hydroxyapatite. *AACL Bioflux*. [URL](#)
50. Almeida-Santos, Selma Maria de, Rafaela Zani Coeti and Erick Augusto Bassi. 2020. Reproductive strategies of New World coralsnakes, Chapter 10, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA. ISBN: 978-0-9720154-6-2
51. AlMukdad, Sawsan, Manale Harfouche, Anja Wettstein and Laith J. Abu-Raddad. 2021. Epidemiology of herpes simplex virus type 2 in Asia: A systematic review, meta-analysis, and meta-regression. *Lancet Regional Health Western Pacific*. [DOI](#)
52. AlMukdad, Sawsan, Uzma S. Farooqui, Manale Harfouche, Lana Aldos and Laith J. Abu-Raddad. 2022. Epidemiology of Herpes Simplex Virus Type 2 in Canada, Australia, and New Zealand: Systematic Review, Meta-Analyses, and Meta-Regressions. *Sexually Transmitted Diseases*. [DOI](#)
53. Altarawneh, Heba N., Hiam Chemaitelly, Houssein H. Ayoub, Mohammad R. Hasan, Peter Coyle, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K. Smatti, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremijenko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed G. Al-Kuwari, Adeel A. Butt, Hamad E. Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertolini, Patrick Tang and Laith J. Abu-Raddad. 2022. Protective Effect of Previous SARS-CoV-2 Infection against Omicron BA.4 and BA.5 Subvariants. *New England Journal of Medicine*. [DOI](#)
54. Altarawneh, Heba N., Hiam Chemaitelly, Houssein H. Ayoub, Patrick Tang, Mohammad R. Hasan, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K.

Smatti, Peter Coyle, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremienko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed G. Al-Kuwari, Adeel A. Butt, Hamad E. Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J. Abu-Raddad. 2022. Effects of Previous Infection and Vaccination on Symptomatic Omicron Infections. *New England Journal of Medicine*. [DOI](#)

55. Altarawneh, Heba N., Hiam Chemaitelly, Mohammad R. Hasan, Houssein H. Ayoub, Suelen Qassim, Sawsan AlMukdad, Peter Coyle, Hadi M. Yassine, Hebah A. Al-Khatib, Fatiha M. Benslimane, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremienko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed G. Al-Kuwari, Adeel A. Butt, Hamad E. Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini, Patrick Tang and Laith J. Abu-Raddad. 2022. Protection against the Omicron Variant from Previous SARS-CoV-2 Infection. *New England Journal of Medicine*. [DOI](#)
56. Ando, Hiroyuki, Kunihiro Suzuki and Toyoshi Yanagihara. 2021. Insights into Potential Pathogenesis and Treatment Options for Immune-Checkpoint Inhibitor-Related Pneumonitis. *Biomedicines*. [DOI](#)
57. Aoki, Akino, Satoshi Kubota, Kosuke Morinaga, Naiquan Nigel Zheng, Shangcheng Sam Wang and Kazuyoshi Gamada. 2021. Detection of knee wobbling as a screen to identify athletes who may be at high risk for ACL injury. *International Biomechanics*. [DOI](#)
58. Aoki, Ryohei, Toyoshi Yanagihara, Hiroshi Mannoji, Syunya Sunami, Nobuhiro Tsuruta, Reiko Yoneda and Makoto Usui. 2021. Pulmonary tumor embolism from breast cancer diagnosed by selective aspiration cytology using a Swan-Ganz catheter. *Respiratory Medicine Case Reports*. [DOI](#)
59. Aoki, Yoshitsugu and Matthew J. A. Wood. 2021. Emerging Oligonucleotide Therapeutics for Rare Neuromuscular Diseases. *Journal of Neuromuscular Diseases*. [DOI](#)
60. Arakawa, Hirofumi. 2022. MLOs and control of metabolic pathways, 14, In: *Droplets of Life. Membrane-Less Organelles, Biomolecular Condensates, and Biological Liquid-Liquid Phase Separation*, Academic Press. [URL](#)
61. Araki, Makoto, Mahesh M. Bandi and Yoko Yazaki-Sugiyama. 2016. Mind the gap: Neural coding of species identity in birdsong prosody. *Science*. [DOI](#)
62. Arbuckle, Kevin. 2018. Phylogenetic Comparative Methods can Provide Important Insights into the Evolution of Toxic Weaponry. *Toxins*. [DOI](#)
63. Ares, Ángela, Sanae Sakai, Toshio Sasaki, Shigeru Shimamura, Satoshi Mitarai and Takuro Nunoura. 2022. Sequestration and efflux largely account for cadmium and copper resistance in the deep-sea Nitratiruptor sp. SB155-2 (phylum Campylobacterota). *Environmental Microbiology*. [DOI](#)

64. Arimoto, Asuka and Kuni Tagawa. 2015. Hedgehog Expression During Development and Regeneration in the Hemichordate, *Ptychodera flava*. *Zoological Science*. [DOI](#)
65. Arimoto, Asuka and Kuni Tagawa. 2018. Regeneration in the enteropneust hemichordate, *Ptychodera flava*, and its evolutionary implications. *Development, Growth & Differentiation*. [DOI](#)
66. Arimoto, Asuka, Koki Nishitsuji, Haruhi Narisoko, Eiichi Shoguchi and Noriyuki Satoh. 2019. Differential gene expression in fronds and stolons of the siphonous macroalga, *Caulerpa lentillifera*. *Development, Growth & Differentiation*. [DOI](#)
67. Arimoto, Asuka, Koki Nishitsuji, Yoshimi Higa, Nana Arakaki, Kanako Hisata, Chuya Shinzato, Noriyuki Satoh and Eiichi Shoguchi. 2019. A siphonous macroalgal genome suggests convergent functions of homeobox genes in algae and land plants. *DNA Research*. [DOI](#)
68. Arimoto, Asuka, Tomoe Hikosaka-Katayama, Akira Hikosaka, Kuni Tagawa, Toyoshige Inoue, Tatsuya Ueki, Masa-Aki Yoshida, Miyuki Kanda, Eiichi Shoguchi, Kanako Hisata and Noriyuki Satoh. 2019. A draft nuclear-genome assembly of the acoel flatworm *Praesagittifera naikaiensis*. *Gigascience*. [DOI](#)
69. Arruda-Barbosa, Loeste, Saad Lahlou, Pedro Jorge Caldas Magalhaes, Francisco das Chagas Vasconcelos Souza-Neto, Taylena Maria Teofilo, Gloria Pinto Duarte, Joyce Karen Lima Vale and Rosivaldo Dos Santos Borges. 2017. Trans-4-methoxy-beta-nitrostyrene relaxes rat thoracic aorta through a sGC-dependent pathway. *European Journal of Pharmacology*. [DOI](#)
70. Arruda-Barbosa, Loeste, Alfredo Augusto Vasconcelos-Silva, Rosivaldo Santos Borges, Gloria Pinto Duarte, Pedro Jorge Caldas Magalhães and Saad Lahlou. 2021. Vasodilatory action of trans-4-methoxy-β-nitrostyrene in rat isolated pulmonary artery. *Clinical and Experimental Pharmacology and Physiology*. [DOI](#)
71. Asai, Yoshiyuki, Takeshi Abe, Hideki Oka, Masao Okita, Ken-Ichi Hagihara, Samik Ghosh, Yukiko Matsuoka, Yoshihisa Kurachi, Taishin Nomura and Hiroaki Kitano. 2014. Versatile Platform for Multilevel Modeling of Physiological Systems: SBML-PHML Hybrid Modeling and Simulation. *Advanced Biomedical Engineering*. [DOI](#)
72. Asai, Yoshiyuki, Takeshi Abe, Li Li, Hideki Oka, Taishin Nomura and Hiroaki Kitano. 2015. Databases for multilevel biophysiology research available at Physiome.jp. *Frontiers in Physiology*. [DOI](#)
73. Asma, A. AlNuaimi, Chemaitelly Hiam, Semaan Sandy, AlMukdad Sawsan, Al-Kanaani Zaina, Kaleeckal Anvar Hassan, Latif Ali Nizar, Al-Romaihi Hamad Eid, A. Butt Adeel, H. Al-Thani Mohamed, Bertolini Roberto, AbdulMalik Mariam, Al-Khal Abdullatif and J. Abu-Raddad Laith. 2023. All-cause and COVID-19 mortality in Qatar during the COVID-19 pandemic. *BMJ Global Health*. [DOI](#)

74. Asoh, Tatsuma, Toyoshi Yanagihara, Risa Tanaka and Reiko Yoneda. 2021. Tracheobronchial Chondritis Associated with Immune Checkpoint Blockade. *Internal Medicine*. [DOI](#)
75. Awad, Susanne F., Julia A. Critchley and Laith J. Abu-Raddad. 2022. Impact of diabetes mellitus on tuberculosis epidemiology in Indonesia: A mathematical modeling analysis. *Tuberculosis*. [DOI](#)
76. Awad, Susanne F., Amine A. Toumi, Kholood A. Al-Mutawaa, Salah A. Alyafei, Muhammad A. Ijaz, Shamseldin A. H. Khalifa, Suresh B. Kokku, Amit C. M. Mishra, Benjamin V. Poovelil, Mounir B. Soussi, Katie G. El-Nahas, Abdulla O. Al-Hamaq, Julia A. Critchley, Mohammed H. Al-Thani and Laith J. Abu-Raddad. 2022. Type 2 diabetes epidemic and key risk factors in Qatar: a mathematical modeling analysis. *BMJ Open Diabetes Research & Care*. [DOI](#)
77. Awad, Susanne F., Soha R. Dargham, Amine A. Toumi, Ely M. Dumit, Katie G. El-Nahas, Abdulla O. Al-Hamaq, Julia A. Critchley, Jaakko Tuomilehto, Mohamed H. J. Al-Thani and Laith J. Abu-Raddad. 2021. A diabetes risk score for Qatar utilizing a novel mathematical modeling approach to identify individuals at high risk for diabetes. *Scientific Reports*. [DOI](#)
78. Ayoub, Houssein H., Ghina R. Mumtaz, Shaheen Seedat, Monia Makhoul, Hiam Chemaitelly and Laith J. Abu-Raddad. 2021. Estimates of global SARS-CoV-2 infection exposure, infection morbidity, and infection mortality rates in 2020. *Global Epidemiology*. [DOI](#)
79. Ayoub, Houssein H., Hiam Chemaitelly, Monia Makhoul, Zaina Al Kanaani, Einas Al Kuwari, Adeel A. Butt, Peter Coyle, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Hadi M. Yassine, Mohamed G. Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Roberto Bertollini, Abdullatif Al Khal and Laith J. Abu-Raddad. 2021. Epidemiological impact of prioritising SARS-CoV-2 vaccination by antibody status: mathematical modelling analyses. *BMJ Innovations*. [DOI](#)
80. Ayoub, Houssein H., Hiam Chemaitelly, Shaheen Seedat, Monia Makhoul, Zaina Al Kanaani, Abdullatif Al Khal, Einas Al Kuwari, Adeel A. Butt, Peter Coyle, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan Abdul Rahim, Hadi M. Yassine, Mohamed G. Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Roberto Bertollini and Laith J. Abu Raddad. 2021. Mathematical modeling of the SARS-CoV-2 epidemic in Qatar and its impact on the national response to COVID-19. *Journal of Global Health*. [DOI](#)
81. Babu, Piriya Ananda, Lashmi, Han-Ying Wang, Kohgaku Eguchi, Laurent Guillaud and Tomoyuki Takahashi. 2020. Microtubules and Actin Differentially Regulate Synaptic Vesicle Cycling to Maintain High-Frequency Neurotransmission. *The Journal of Neuroscience*. [DOI](#)

82. Babu, Swathy, Yuki Takeuchi and Ichiro Masai. 2022. Banp regulates DNA damage response and chromosome segregation during the cell cycle in zebrafish retina. *eLife*. [DOI](#)
83. Badrutdinov, Alexander O., Denis Konstantinov, Masamitsu Watanabe and Kimitoshi Kono. 2013. Experimental study of energy relaxation of hot electrons on liquid helium-4. *Europhysics Letters*. [DOI](#)
84. Badrutdinov, Alexander O., Leonid V. Abdurakhimov and Denis Konstantinov. 2014. Cyclotron-resonant photoresponse of a multisubband two-dimensional electron system on liquid helium. *Physical Review B*. [DOI](#)
85. Badrutdinov, Alexander O., Shiu-Ming Huang, Keiji Ono, Kimitoshi Kono and D. A. Tayurskii. 2013. Dynamic nuclear polarization with three electrons in a vertical double quantum dot. *Physical Review B*. [DOI](#)
86. Badrutdinov, Alexander O., Timophey Bykov, Sergey Gromilov, Yasuo Higashi, Dmitrii Kasatov, Iaroslav Kolesnikov, Alexey Koshkarev, Alexandre Makarov, Takuya Miyazawa, Ivan Shchudlo, Evgeniia Sokolova, Hirotaka Sugawara and Sergey Taskaev. 2017. In situ observations of blistering of a metal irradiated with 2-mev protons. *Metals*. [DOI](#)
87. Badruzzaman, Muhammad, Chayon Goswami and Md. Abu Sayed. 2021. Photoperiodic light pulse induces ovarian development in the catfish, *Mystus cavasius*: Possible roles of dopamine and melatonin in the brain. *Ecotoxicology and Environmental Safety*. [DOI](#)
88. Badruzzaman, Muhammad, Muhammad Shahjahan, Prodip Kumar Roy and Muhammad Taimur Islam. 2020. Rotenone alters behavior and reproductive functions of freshwater catfish, *Mystus cavasius*, through deficits of dopaminergic neurons in the brain. *Chemosphere*. [DOI](#)
89. Badruzzaman, Muhammad, Taro Ikegami, A. K. M. Rohul Amin and Md Shahjahan. 2020. Melatonin inhibits reproductive activity through changes of serotonergic activity in the brain of freshwater catfish (*Mystus cavasius*). *Aquaculture*. [DOI](#)
90. Barker, Clive S., Irina V. Meshcheryakova, Tomoharu Inoue and Fadel A. Samatey. 2014. Assembling Flagella in *Salmonella* Mutant Strains Producing a Type III Export Apparatus without FliO. *Journal of Bacteriology*. [DOI](#)
91. Barker, Clive S., Irina V. Meshcheryakova, Toshio Sasaki, Michael C. Roy, Prem Kumar Sinha, Takao Yagi and Fadel A. Samatey. 2014. Randomly selected suppressor mutations in genes for NADH: quinone oxidoreductase-1, which rescue motility of a *Salmonella* ubiquinone-biosynthesis mutant strain. *Microbiology*. [DOI](#)
92. Barker, Clive S., Tomoharu Inoue, Irina V. Meshcheryakova, Seiya Kitanobo and Fadel A. Samatey. 2016. Function of the conserved FHIPEP domain of the flagellar type III export apparatus, protein FlhA. *Molecular Microbiology*. [DOI](#)

93. Barman, Barun Kumar, Keiko Okano, Kenzo Deguchi, Shinobu Ohki, Kenjiro Hashi, Atsushi Goto and Tadaaki Nagao. 2022. N-Dopant Site Formulation for White-Light-Emitting Carbon Dots with Tunable Chromaticity. *ACS Sustainable Chemistry & Engineering*. [DOI](#)
94. Barman, Barun Kumar, Ørjan Sele Handegård, Ayako Hashimoto and Tadaaki Nagao. 2021. Carbon Dot/Cellulose-Based Transparent Films for Efficient UV and High-Energy Blue Light Screening. *ACS Sustainable Chemistry & Engineering*. [DOI](#)
95. Barua, Agneesh and Alexander S. Mikheyev. 2019. Many Options, Few Solutions: Over 60 My Snakes Converged on a Few Optimal Venom Formulations. *Molecular Biology and Evolution*. [DOI](#)
96. Barua, Agneesh and Alexander S. Mikheyev. 2020. Toxin expression in snake venom evolves rapidly with constant shifts in evolutionary rates. *Proceedings of the Royal Society B: Biological Sciences*. [DOI](#)
97. Baughman, Kenneth W., Carmel McDougall, Scott F. Cummins, Mike Hall, Bernard M. Degnan, Noriyuki Satoh and Eiichi Shoguchi. 2014. Genomic organization of Hox and ParaHox clusters in the echinoderm, *Acanthaster planci*. *Genesis*. [DOI](#)
98. Beedessee, Girish, Kanako Hisata, Michael C. Roy, Frances M. Van Dolah, Noriyuki Satoh and Eiichi Shoguchi. 2019. Diversified secondary metabolite biosynthesis gene repertoire revealed in symbiotic dinoflagellates. *Scientific Reports*. [DOI](#)
99. Beedessee, Girish, Kanako Hisata, Michael C. Roy, Noriyuki Satoh and Eiichi Shoguchi. 2015. Multifunctional polyketide synthase genes identified by genomic survey of the symbiotic dinoflagellate, *Symbiodinium minutum*. *BMC Genomics*. [DOI](#)
100. Beedessee, Girish, Kubota, Takaaki, Arimoto, Asuka, Nishitsuji, Koki, Waller, Ross F., Hisata, Kanako, Yamasaki, Shinichi, Satoh, Noriyuki, Kobayashi, Jun'ichi, Shoguchi, Eiichi, 2020. Integrated omics unveil the secondary metabolic landscape of a basal dinoflagellate. *BMC Biology*. [DOI](#)
101. Bénard-Valle, Melisa, Neri-Castro, Edgar, Elizalde-Morales, Nicolás, Olvera-Rodríguez, Alejandro, Strickland, Jason, Acosta, Gerardo and Alagón, Alejandro. 2021. Protein composition and biochemical characterization of venom from Sonoran Coral Snakes (*Micruroides euryxanthus*). *Biochimie*. [DOI](#)
102. Benelmekki, Maria, Murtaza Bohra, Jeong-Hwan Kim, Rosa E. Diaz, Jerome Vernieres, Panagiotis Grammatikopoulos and Mukhles Sowwan. 2014. A Facile Single-Step Synthesis of Ternary Multicore Magneto-Plasmonic Nanoparticles. *Nanoscale*. [DOI](#)
103. Bhalla, Nikhil, Shivani Sathish, Abhishek Sinha and Amy Q. Shen. 2018. Large scale nanophotonic structures for long-term monitoring of cell proliferation. *Advanced Biosystems*. [DOI](#)

104. Bian, Hongyu, Goh, Yi Yiing, Liu, Yuxia, Ling, Haifeng, Xie, Linghai and Liu, Xiaogang. 2021. Stimuli-responsive memristive materials for artificial synapses and neuromorphic computing. *Advanced Materials*. [DOI](#)
105. Bradshaw, Michael J., Anthony J. Saviola, Elizabeth Fesler and Stephen P. Mackessy. 2016. Evaluation of cytotoxic activities of snake venoms toward breast (MCF-7) and skin cancer (A-375) cell lines. *Cytotechnology*. [DOI](#)
106. Brisbin, Margaret M. 2019. Differential gene expression supports a resource-intensive, defensive role for colony production in the bloom-forming haptophyte, *Phaeocystis globosa*. *Journal of Eukaryotic Microbiology*. [DOI](#)
107. Brisbin, Margaret M., Lisa Y. Mesrop, Mary M. Grossmann and Satoshi Mitarai. 2018. Intra-host symbiont diversity and extended symbiont maintenance in photosymbiotic Acantharea (Clade F). *Frontiers in Marine Science*. [DOI](#)
108. Bryk, Jarosław, Guy R. Reeves, Floyd A. Reed and Jai A. Denton. 2017. Transcriptional effects of a positive feedback circuit in *Drosophila melanogaster*. *BMC Genomics*. [DOI](#)
109. Bsat, Raghid, Hiam Chemaitelly, Peter Coyle, Patrick Tang, Mohammad R. Hasan, Zaina Al Kanaani, Einas Al Kuwari, Adeel A. Butt, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Nasrallah Gheyath K., Fatiha M. Benslimane, Hebah A. Al Khatib, Hadi M. Yassine, Mohamed G. Al Kuwari, iHamad Eid Al Romaih, Mohamed H. Al-Thani, Abdullatif Al Khal, Roberto Bertolini, Laith J. Abu-Raddad and Houssein H. Ayoub. 2022. Characterizing the effective reproduction number during the COVID-19 pandemic: Insights from Qatar's experience. *Journal of Global Health*. [DOI](#)
110. Bucaretschi, Fábio, Eduardo Mello de Capitani and Stephen Hyslop. 2020. Coralsnake envenomation in Brasil, Chapter 21, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA, ISBN: 978-0-9720154-6-2.
111. Bulieris, Paula V., Nausad H. Shaikh, Peter L. Freddolino and Fadel A. Samatey. 2017. Structure of FlgK reveals the divergence of the bacterial Hook-Filament Junction of *Campylobacter*. *Scientific Reports*. [DOI](#)
112. Buononato, Marcus Augusto, Aníbal Rafael Melgarejo, Giuseppe Puerto and Nelson Jorge da Silva Jr. 2020. Coralsnakes of medical interest in Brazil, Chapter 19, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA, ISBN: 978-0-9720154-6-2.
113. Carrillo-Reid, Luis, Violeta G. Lopez-Huerta, Marianela Garcia-Munoz, Stephan Theiss and Gordon W. Arbuthnott. 2015. Cell assembly signatures defined by short-term synaptic plasticity in cortical networks. *International Journal of Neural Systems*. [DOI](#)
114. Casais-e-Silva, Luciana L., Maria Alice da Cruz-Hofling and Catarina F. P. Teixeira. 2022. The edematogenic effect of *Micruurus lemniscatus* venom is dependent

- on venom phospholipase A2 activity and modulated by non-neurogenic factors. *Toxicology Letters*. [DOI](#)
115. Casais-e-Silva, Luciana Lyra and Catarina Teixeira. 2017. Neurogenic mediators contribute to local edema induced by *Micrurus lemniscatus* venom. *PLoS Neglected Tropical Diseases*. [DOI](#)
116. Cassidy, Cathal, Ankur Dhar and Tsumoru Shintake. 2017. Determination of the mean inner potential of cadmium telluride via electron holography. *Applied Physics Letters*. [DOI](#)
117. Cassidy, Cathal, Masao Yamashita, Martin Cheung, Chola Kolale, Hidehito Adeniya, Ryusuke Kuwahara and Tsumoru Shintake. 2017. Water without windows: Evaluating the performance of open cell transmission electron microscopy under saturated water vapor conditions, and assessing its potential for microscopy of hydrated biological specimens. *PLoS One*. [DOI](#)
118. Cassidy, Cathal, Vidyadhar Singh, Panagiotis Grammatikopoulos, Flyura Djurabekova, Kai Nordlund and Mukhles Sowwan. 2013. Inoculation of silicon nanoparticles with silver atoms. *Scientific Reports*. [DOI](#)
119. Chaleckis, Romanas, Itsuo Murakami, Junko Takada, Hiroshi Kondoh and Mitsuhiro Yanagida. 2016. Individual variability in human blood metabolites identifies age-related differences. *Proceedings of the National Academy of Sciences USA*. [DOI](#)
120. Chaleckis, Romanas, Masahiro Ebe, Tomas Pluskal, Itsuo Murakami, Hiroshi Kondoh and Mitsuhiro Yanagida. 2014. Unexpected similarities between the Schizosaccharomyces and human blood metabolomes, and novel human metabolites. *Molecular Biosystems*. [DOI](#)
121. Chang, Jui-Chih, Huei-Shin Chang, Cheng-Yi Yeh, Hui-Ju Chang, Wen-Ling Cheng, Ta-Tsung Lin, Chin-San Liu and Shou-Tung Chen. 2022. Regulation of mitochondrial fusion and mitophagy by intra-tumoral delivery of membrane-fused mitochondria or Midiv-1 enhances sensitivity to doxorubicin in triple-negative breast cancer. *Biomedicine & Pharmacotherapy*. [DOI](#)
122. Chang, Jui-Chih, Yi-Chun Chao, Huei-Shin Chang, Yu-Ling Wu, Hui-Ju Chang, Yong-Shiou Lin, Wen-Ling Cheng, Ta-Tsung Lin and Chin-San Liu. 2021. Intranasal delivery of mitochondria for treatment of Parkinson's Disease model rats lesioned with 6-hydroxydopamine. *Scientific Reports*. [DOI](#)
123. Chapeaurouge, Alex, Mohamed Abu Reza, Stephen P. Mackessy, Paulo C. Carvalho, Richard H. Valente, Andre Teixeira-Ferreira, Jonas Perales, Qingsong Lin and R. Manjunatha Kini. 2015. Interrogating the Venom of the Viperid Snake *Sistrurus catenatus edwardsii* by a Combined Approach of Electrospray and MALDI Mass Spectrometry. *PLoS One*. [DOI](#)
124. Chaurasia, Vikash, Yi-Chao Chen and Eliot Fried. 2020. Interacting charged elastic loops on a sphere. *Journal of the Mechanics and Physics of Solids*. [DOI](#)

125. Chemaitelly, Hiam, Houssein H Ayoub, Peter Coyle, Patrick Tang, Hadi M Yassine, Asmaa A Al Thani, Hebah A Al-Khatib, Mohammad R Hasan, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremienko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F Abdul-Rahim, Gheyath K Nasrallah, Mohamed Ghaith Al-Kuwari, Hamad Eid Al-Romaihi, Adeel A Butt, Mohamed H Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J Abu-Raddad. 2023. BNT162b2 antigen dose and SARS-CoV-2 omicron infection in adolescents. *Lancet Infectious Diseases*. [DOI](#)
126. Chemaitelly, Hiam, Patrick Tang, Peter Coyle, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K. Smatti, Mohammad R. Hasan, Houssein H. Ayoub, Heba N. Altarawneh, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremienko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed G. Al-Kuwari, Adeel A. Butt, Hamad E. Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J. Abu-Raddad. 2023. Protection against Reinfection with the Omicron BA.2.75 Subvariant. *New England Journal of Medicine*. [DOI](#)
127. Chemaitelly, Hiam, Nico Nagelkerke, Houssein H Ayoub, Peter Coyle, Patrick Tang, Hadi M Yassine, Hebah A Al-Khatib, Maria K Smatti, Mohammad R Hasan, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremienko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F Abdul-Rahim, Gheyath K Nasrallah, Mohamed Ghaith Al-Kuwari, Adeel A Butt, Hamad Eid Al-Romaihi, Mohamed H Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J Abu-Raddad. 2022. Duration of immune protection of SARS-CoV-2 natural infection against reinfection. *Journal of Travel Medicine*. [DOI](#)
128. Chemaitelly, Hiam, Houssein H Ayoub, Sawsan AlMukdad, Peter Coyle, Patrick Tang, Hadi M Yassine, Hebah A Al-Khatib, Maria K Smatti, Mohammad R Hasan, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremienko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F Abdul-Rahim, Gheyath K Nasrallah, Mohamed Ghaith Al-Kuwari, Adeel A Butt, Hamad Eid Al-Romaihi, Mohamed H Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J Abu-Raddad. 2022. Protection from previous natural infection compared with mRNA vaccination against SARS-CoV-2 infection and severe COVID-19 in Qatar: a retrospective cohort study. *Lancet Microbe*. [DOI](#)
129. Chemaitelly, Hiam, Houssein H. Ayoub, Patrick Tang, Mohammad R. Hasan, Peter Coyle, Hadi M Yassine, Hebah A. Al-Khatib, Maria K Smatti, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremienko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed G. Al-Kuwari, Adeel A. Butt, Hamad E. Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J. Abu-Raddad. 2022. Immune Imprinting and Protection against Repeat Reinfection with SARS-CoV-2. *New England Journal of Medicine*. [DOI](#)

130. Chemaitlely, Hiam, Sawsan AlMukdad, Houssein H. Ayoub, Heba N. Altarawneh, Peter Coyle, Patrick Tang, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K. Smatti, Mohammad R. Hasan, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremijenko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed G. Al-Kuwari, Hamad E. Al-Romaihi, Adeel A. Butt, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J. Abu-Raddad. 2022. Covid-19 Vaccine Protection among Children and Adolescents in Qatar. *New England Journal of Medicine*. [DOI](#)
131. Chemaitlely, Hiam, Houssein H. Ayoub, Peter Coyle, Patrick Tang, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K. Smatti, Mohammad R. Hasan, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al-Kuwari, Adeel A. Butt, Hamad Eid Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J. Abu-Raddad. 2022. Protection of Omicron sub-lineage infection against reinfection with another Omicron sub-lineage. *Nature Communications*. [DOI](#)
132. Chemaitlely, Hiam, Houssein H. Ayoub, Ryosuke Omori, Shereen El Feki, Joumana G Hermez, Helen A Weiss and Laith J Abu-Raddad. 2022. HIV incidence and impact of interventions among female sex workers and their clients in the Middle East and north Africa: a modelling study. *Lancet HIV*. [DOI](#)
133. Chemaitlely, Hiam, Houssein H. Ayoub, Sawsan AlMukdad, Peter Coyle, Patrick Tang, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K. Smatti, Mohammad R. Hasan, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al-Kuwari, Adeel A. Butt, Hamad Eid Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini and Laith J. Abu-Raddad. 2022. Duration of mRNA vaccine protection against SARS-CoV-2 Omicron BA.1 and BA.2 subvariants in Qatar. *Nature Communications*. [DOI](#)
134. Chemaitlely, Hiam and Laith J. Abu-Raddad. 2022. Waning effectiveness of COVID-19 vaccines. *Lancet*. [DOI](#)
135. Chemaitlely, Hiam, Roberto Bertollini and Laith J. Abu-Raddad. 2021. Efficacy of Natural Immunity against SARS-CoV-2 Reinfection with the Beta Variant. *New England Journal of Medicine*. [DOI](#)
136. Chemaitlely, Hiam, Patrick Tang, Mohammad R. Hasan, Sawsan AlMukdad, Hadi M. Yassine, Fatiha M. Benslimane, Hebah A. Al Khatib, Peter Coyle, Houssein H. Ayoub, Zaina Al Kanaani, Einas Al Kuwari, Andrew Jeremijenko, Anvar H. Kaleeckal, Ali N. Latif, Riyazuddin M. Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Mohamed G. Al Kuwari, Hamad E. Al Romaihi, Adeel A. Butt, Mohamed H. Al-Thani, Abdullatif Al Khal, Roberto Bertollini and

- Laith J. Abu-Raddad. 2021. Waning of BNT162b2 Vaccine Protection against SARS-CoV-2 Infection in Qatar. *New England Journal of Medicine*. [DOI](#)
137. Chemaitelly, Hiam, Hadi M. Yassine, Fatiha M. Benslimane, Hebah A. Al Khatib, Patrick Tang, Mohammad R. Hasan, Joel A. Malek, Peter Coyle, Houssein H. Ayoub, Zaina Al Kanaani, Einas Al Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Abdullatif Al Khal, Adeel A. Butt, Roberto Bertolini and Laith J. Abu-Raddad. 2021. mRNA-1273 COVID-19 vaccine effectiveness against the B.1.1.7 and B.1.351 variants and severe COVID-19 disease in Qatar. *Nature Medicine*. [DOI](#)
138. Chen, Qiang, Dieter Schollmeyer, Klaus Mullen and Akimitsu Narita. 2019. Synthesis of Circumpyrene by Alkyne Benzannulation of Brominated Dibenzo[hi,st]ovalene. *Journal of the American Chemical Society*. [DOI](#)
139. Chen, Weiliang and Erik De Schutter. 2017. Parallel STEPS: Large Scale Stochastic Spatial Reaction-Diffusion Simulation with High Performance Computers. *Frontiers in Neuroinformatics*. [DOI](#)
140. Chiba, Toshinori, Kentarou Ide, Misa Murakami, Nao Kobayashi, Taiki Oka, Fumiya Nakai, Rumi Yorizawa, Yuka Miyake, Toshitaka Hamamura, Masaru Honjo, Hiroyuki Toda, Tetsufumi Kanazawa, Shuken Boku, Takatomi Kubo, Akitoyo Hishimoto, Mitsuo Kawato and Aurelio Cortese. 2023. Event-related PTSD symptoms as a high-risk factor for suicide: longitudinal observational study. *Nature Mental Health*. [DOI](#)
141. Chiba, Toshinori, Kentaro Ide, Jessica E. Taylor, Shuken Boku, Hiroyuki Toda, Tetsufumi Kanazawa, Sumie Kato, Yuka Horiuchi, Akitoyo Hishimoto, Toru Maruyama, Taisuke Yamamoto, Miyako Shirakawa, Ichiro Sora, Mitsuo Kawato and Ai Koizumi. 2020. A reciprocal inhibition model of alternations between under-/overemotional modulatory states in patients with PTSD. *Molecular Psychiatry*. [DOI](#)
142. Chirienco, Mirona. 2014. Karst. Encyclopedia of Planetary Landforms, Springer Science+Business Media New York. [DOI](#)
143. Chiu, Yi-Ling and Chuya Shinzato. 2022. Evolutionary History of DMSP Lyase-Like Genes in Animals and Their Possible Involvement in Evolution of the Scleractinian Coral Genus, *Acropora*. *Frontiers in Marine Science*. [DOI](#)
144. Chiu, Yi-Ling, Ching-Fong Chang and Shinya Shikina. 2021. Development of an in vitro tissue culture system for hammer coral (*Fimbriaphyllia ancora*) ovaries. *Scientific Reports*. [DOI](#)
145. Chiu, Yi-Ling, Shinya Shikina, Yuki Yoshioka, Chuya Shinzato and Ching-Fong Chang. 2020. De novo transcriptome assembly from the gonads of a scleractinian coral, *Euphyllia ancora*: molecular mechanisms underlying scleractinian gametogenesis. *BMC Genomics*. [DOI](#)

146. Chiuchiù, Davide, Yuhai Tu and Simone Pigolotti. 2019. Error-Speed Correlations in Biopolymer Synthesis. *Physical Review Letters*. [DOI](#)
147. Chong, Ho Phin, Kae Yi Tan, Nget Hong Tan and Choo Hock Tan. 2019. Exploring the diversity and novelty of toxin genes in *Naja sumatrana*, the equatorial spitting cobra from malaysian through de novo venom-gland transcriptomics. *Toxins (Basel)*. [DOI](#)
148. Chouthaiwale, Pandurang. V., Sébastien Lapointe and Fujie Tanaka. 2016. Synthesis of 4-substituted-pyridine-2,6-dicarboxylic acid derivatives from pyruvates and aldehydes in one pot. *Heterocycles*. [DOI](#)
149. Chuang, Po-Shun, Yosuke Yamada, Po-Yu Liu, Sen-Lin Tang and Satoshi Mitarai. 2023. Bacterial Community Shifts during Polyp Bail-Out Induction in Pocillopora Corals. *Microbiology Spectrum*. [DOI](#)
150. Chuang, Po-Shun and Satoshi Mitarai. 2021. Genetic changes involving the coral gastrovascular system support the transition between colonies and bailed-out polyps: evidence from a *Pocillopora acuta* transcriptome. *BMC Genomics*. [DOI](#)
151. Chuang, Po-Shun, Kota Ishikawa and Satoshi Mitarai. 2021. Morphological and Genetic Recovery of Coral Polyps After Bail-Out. *Frontiers in Marine Science*. [DOI](#)
152. Chuang, Po-Shun and Satoshi Mitarai. 2020. Signaling pathways in the coral polyp bail-out response. *Coral Reefs*. [DOI](#)
153. Coelho-de-Souza, Andrelina Noronha, Saad Lahlou, Joao E. F. Barreto, Maria E. M. Yum, Ariclecio C. Oliveira, Hermogenes D. Oliveira, Natalia R. Celedonio, Roney G. F. Feitosa, Gloria Pinto Duarte, Claudia F. Santos, Aline A. C. de Albuquerque and José Henrique Leal-Cardoso. 2013. Essential oil of Croton zehntneri and its major constituent anethole display gastroprotective effect by increasing the surface mucous layer. *Fundamental & Clinical Pharmacology*. [DOI](#)
154. Cortese, Aurelio, Asuka Yamamoto, Maryam Hashemzadeh, Pradyumna Sepulveda, Mitsuo Kawato and Benedetto De Martino. 2021. Value signals guide abstraction during learning. *Elife*. [DOI](#)
155. Coyle, Peter V., Reham Awni El Kahlout, Soha R. Dargham, Hiam Chemaitelly, Mohamed Ali Ben Hadj Kacem, Naema Hassan Abdulla Al-Mawlawi, Imtiaz Gilliani, Nourah Younes, Zaina Al Kanaani, Abdullatif Al Khal, Einas Al Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleekal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Hadi M. Yassine, Mohamed G. Al Kuwari, Hamad Eid Al Romaihi, Patrick Tang, Roberto Bertolini, Mohamed H. Al-Thani and Laith J. Abu-Raddad. 2022. Assessing the performance of a serological point-of-care test in measuring detectable antibodies against SARS-CoV-2. *PLoS ONE*. [DOI](#)
156. Coyle, Peter V., Hiam Chemaitelly, Mohamed Ali Ben Hadj Kacem, Naema Hassan Abdulla Al Molawi, Reham Awni El Kahlout, Imtiaz Gilliani, Nourah

- Younes, Ghada Ali A. A. Al Anssari, Zaina Al Kanaani, Abdullatif Al Khal, Einas Al Kuwari, Adeel A. Butt, Andrew Jeremienko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Hadi M. Yassine, Mohamed Ghaith Al Kuwari, Hamad Eid Al Romaihi, Mohamed H. Al-Thani, Roberto Bertolini and Laith J. Abu-Raddad. 2021. SARS-CoV-2 seroprevalence in the urban population of Qatar: An analysis of antibody testing on a sample of 112,941 individuals. *iScience*. [DOI](#)
157. Cui, Hai-Lei and Fujie Tanaka. 2013. Catalytic enantioselective formal hetero-Diels-Alder reactions of enones with isatins to give spirooxindole tetrahydropyranones. *Chemistry*. [DOI](#)
158. Cui, Hai-Lei, Pandurang V. Chouthaiwale, Feng Yin and Fujie Tanaka. 2015. Reaction-based mechanistic investigations of asymmetric hetero-Diels-Alder reactions of enones with isatins catalyzed by amine-based three-component catalyst systems. *Asian Journal of Organic Chemistry*. [DOI](#)
159. Dai, Chia-Yen, Ming-Lun Yeh and Ming-Lung Yu. 2022. An EASL position paper for systemic treatment of hepatocellular carcinoma: Go forward courageously. *Journal of Hepatology*. [DOI](#)
160. de Siqueira, Rodrigo Jose Bezerra, Francisco Igor Bulcao Macedo, Leylliane de Fatima Leal Interaminense, Gloria Pinto Duarte, Pedro Jorge Caldas Magalhaes, Teresinha Silva Brito, Joyce Kelly Rosario da Silva, Jose Guilherme Soares Maia, Pergentino Jose da Cunha Sousa, José Henrique Leal-Cardoso and Saad Lahlou. 2010. 1-Nitro-2-phenylethane, the main constituent of the essential oil of Aniba canellilla, elicits a vago-vagal bradycardiac and depressor reflex in normotensive rats. *European Journal of Pharmacology*. [DOI](#)
161. de Siqueira, Rodrigo Jose Bezerra, Pedro Jorge Caldas Magalhaes, José Henrique Leal-Cardoso, Gloria Pinto Duarte and Saad Lahlou. 2006. Cardiovascular effects of the essential oil of Croton zehntneri leaves and its main constituents, anethole and estragole, in normotensive conscious rats. *Life Science*. [DOI](#)
162. Deckoff-Jones, Skylar, Jingjing Zhang, Christopher E. Petoukhoff, Michael K. L. Man, Sidong Lei, Robert Vajtai, Pulickel M. Ajayan, Diyar Talbayev, Julien Madéo and Keshav M. Dani. 2016. Observing the interplay between surface and bulk optical nonlinearities in thin van der Waals crystals. *Scientific Reports*. [DOI](#)
163. Del Giudice, Francesco and Amy Q. Shen. 2017. Shear rheology of graphene oxide dispersions. *Chemical Engineering*. [DOI](#)
164. Del Giudice, Francesco, Benjamin V. Cunning, Rodney S. Ruoff and Amy Q. Shen. 2018. Filling the gap between transient and steady shear rheology of aqueous graphene oxide dispersions. *Rheologica Acta*. [DOI](#)

165. Del Giudice, Francesco, Manlio Tassieri, Claude Oelschlaeger and Amy Q. Shen. 2017. When Microrheology, Bulk Rheology, and Microfluidics Meet: Broadband Rheology of Hydroxyethyl Cellulose Water Solutions. *Macromolecules*. [DOI](#)
166. Delgado-Prudencio, Gustavo, Lourival D. Possani, Baltazar Becerril and Ernesto Ortiz. 2019. The dual α -amidation system in scorpion venom glands. *Toxins (Basel)*. [DOI](#)
167. Denton, Jai A. and Chaitanya S. Gokhale. 2020. Synthetic Symbiosis under Environmental Disturbances. *mSystems*. [DOI](#)
168. Denton, Jai A. and Chaitanya S. Gokhale. 2019. Synthetic mutualism and the intervention dilemma. *Life (Basel)*. [DOI](#)
169. Denton, Jai A. and Christopher S. Reynolds. 2018. Limping along and lagging behind: The law and emerging gene technologies. *James Cook University Law Review*. [DOI](#)
170. Deviatiiarov, Ruslan M., Anna Gams, Ivan V. Kulakovskiy, Andrey Buyan, Georgy Meshcheryakov, Roman Syunyaev, Ramesh Singh, Palak Shah, Tatiana V. Tatarinova, Oleg Gusev and Igor R. Efimov. 2023. An atlas of transcribed human cardiac promoters and enhancers reveals an important role of regulatory elements in heart failure. *Nature Cardiovascular Research*. [DOI](#)
171. Dias, Lourdes, Mariana A. P. Rodrigues, Andre L. Renno, Alessandra Stroka, Bruna R. Inoue, Patricia C. Panunto, Anibal R. Melgarejo and Stephen Hyslop. 2016. Hemodynamic responses to *Lachesis muta* (South American bushmaster) snake venom in anesthetized rats. *Toxicon*. [DOI](#)
172. Diaz Arenas, Carolina, Aleksandra Ardaševa, Jonathan Miller, Alexander S. Mikheyev and Yohei Yokobayashi. 2022. Ribozyme Mutagenic Evolution: Mechanisms of Survival. *Origins of Life and Evolution of Biospheres*. [DOI](#)
173. Dimitrov, Dimitar I., Hiroshi Takagi, Laurent Elie Guillaud, Naoto Saitoh, Kohgaku Eguchi and Tomoyuki Takahashi. 2016. Reconstitution of giant mammalian synapses in culture for molecular functional and imaging studies. *Journal of Neuroscience*. [DOI](#)
174. Doan, Thi Kim Dung, Masakazu Umezawa, Kyohei Okubo, Masao Kamimura and Kohei Soga. 2023. Enhancing near-infrared fluorescence intensity and stability of PLGA-b-PEG micelles by introducing Gd-DOTA at the core boundary. *Journal of Biomedical Materials Research B Applied Biomaterials*. [DOI](#)
175. Doan, Thi Kim Dung, Masakazu Umezawa, Kazuno Ikeda, Kazunobu Ohnuki, Mizuki Akatsuka, Kyohei Okubo, Masao Kamimura, Masayuki Yamaguchi, Hirofumi Fujii and Kohei Soga. 2023. Influence of Carboxyl Group Ratios on the Design of Breast Cancer Targeting Bimodal MR/NIR-II Imaging Probe from PLGA@Gd-DOTA@PEG Micelles Conjugating Herceptin. *ACS Applied Bio Materials*. [DOI](#)

176. dos Santos, Janaina Cardoso, Lidiane Zito Grund, Carla Simone Seibert, Elineide Eugenio Marques, Anderson Brito Soares, Valerie F Quesniaux, Bernhard Ryffel, Monica Lopes-Ferreira and Carla Lima. 2017. Stingray venom activates IL-33 producing cardiomyocytes, but not mast cells, to promote acute neutrophil-mediated injury. *Scientific Reports*. [DOI](#)
177. Doya, Kenji, Arisa Ema, Hiroaki Kitano, Masamichi Sakagami and Stuart Russell. 2022. Social impact and governance of AI and neurotechnologies. *Neural Networks*. [DOI](#)
178. Duan, Ruixue, Yuanyuan Xu, Xuemei Zeng, Jiahui Xu, Liangliang Liang, Zhenzhen Zhang, Zhimin Wang, Xiaoxiao Jiang, Bengang Xing, Bifeng Liu, Angelo All, Xiaosong Li, Luke P. Lee and Xiaogang Liu. 2021. Uncovering the Metabolic Origin of Aspartate for Tumor Growth Using an Integrated Molecular Deactivator. *Nano Letters*. [DOI](#)
179. Ebihara, Kana and Ryusuke Niwa. 2023. Compounds Inhibiting Noppera-bo, a Glutathione S-transferase Involved in Insect Ecdysteroid Biosynthesis: Novel Insect Growth Regulators. *Biomolecules*. [DOI](#)
180. Edmunds, Peter J. , Shelby E. McIlroy, Mehdi Adjeroud, Put Ang, Jessica L. Bergman, Robert C. Carpenter, Mary A. Coffroth, Atsushi G. Fujimura, James L. Hench, Sally J. Holbrook, James J. Leichter, Soyoka Muko, Yuichi Nakajima, Masako Nakamura, Claire B. Paris, Russell J. Schmitt, Makamas Sutthacheep, Robert J. Toonen, Kazuhiko Sakai, Go Suzuki, Libe Washburn, Alex S. J. Wyatt and Satoshi Mitarai. 2018. Critical information gaps impeding understanding of the role of larval connectivity among coral reef islands in an era of global change. *Frontiers in Marine Science*. [PDF](#)
181. Egashira, Ayaka, Toyoshi Yanagihara, Naruhiko Ogo, Tatsuma Asoh and Takashige Maeyama. 2021. A Case of Drug-Induced Interstitial Lung Disease Caused by Epirubicin and Cyclophosphamide Therapy Before Breast Cancer Surgery. *Cureus*. [DOI](#)
182. Eguchi, Kohgaku, Zacharie Mehdi Francois Taoufiq, Oliver Thorn-Seshold, Dirk Trauner, Masato Hasegawa and Tomoyuki Takahashi. 2017. Wild-type monomeric alpha-synuclein can impair vesicle endocytosis and synaptic fidelity via tubulin polymerization at the calyx of Held. *Journal of Neuroscience*. [PDF](#)
183. Elsaied, Hosam E., Taha Soliman, Hany T. Abu-Taleb, Hiroki Goto and Holger Jenke-Kodam. 2019. Phylogenetic characterization of eukaryotic and prokaryotic gut flora of Nile tilapia, *Oreochromis niloticus*, along niches of Lake Nasser, Egypt, based on rRNA gene high-throughput sequences. *Ecological Genetics and Genomics*. [DOI](#)
184. Endang, Purba R., Ei-ichiro Saita and Ichiro N. Maruyama. 2017. Activation of the EGF Receptor by Ligand Binding and Oncogenic Mutations: The “Rotation Model”. *Cells*. [DOI](#)

185. Endo, Kazuyoshi and Takeshi Takeuchi. 2013. Annotation of the Pearl Oyster Genome. *Zoological Science*. <http://dx.doi.org/10.2108/zsj.30.779>
186. Espinas, Nino A, Alejandro Villar-Briones, Michael C Roy and Hidetoshi Saze. 2020. Rice Histone Propionylation and Generation of Chemically Derivatized Synthetic H3 and H4 Peptides for Identification of Acetylation Sites and Quantification. *Methods in Molecular Biology*. [DOI](#)
187. Espinas, Nino A., Hidetoshi Saze and Yusuke Saijo. 2016. Epigenetic control of defense signaling and priming in plants. *Frontiers in Plant Science*. [DOI](#)
188. Espinas, Nino A., Le Ngoc Tu, Leonardo Furci, Yasuka Shimajiri, Yoshiko Harukawa, Saori Miura, Shohei Takuno and Hidetoshi Saze. 2020. Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. *PLOS Genetics*. [DOI](#)
189. Fajiculay, Erickson and Chao-Ping Hsu. 2023. Noise response in monomolecular closed systems. *Journal of the Chinese Chemical Society*. [DOI](#)
190. Fajiculay, Erickson and Chao-Ping Hsu. 2023. Localization of Noise in Biochemical Networks. *ACS Omega*. [DOI](#)
191. Ferdous Alam, M., Zinnat A. Begum, Yoshiaki Furusho, Hiroshi Hasegawa and Ismail M. M. Rahman. 2022. Selective separation of radionuclides from environmental matrices using proprietary solid-phase extraction systems: A review. *Microchemical Journal*. [DOI](#)
192. Fermin, Alan S R, Takafumi Sasaoka, Toru Maekawa, Hui-Ling Chan, Maro G Machizawa, Go Okada, Yasumasa Okamoto and Shigeto Yamawaki. 2023. Insula neuroanatomical networks predict interoceptive awareness. *Heliyon*. [DOI](#)
193. Fermin, Alan S. R., Toko Kiyonari, Yoshie Matsumoto, Haruto Takagishi, Yang Li, Ryota Kanai, Masamichi Sakagami, Rei Akaishi, Naho Ichikawa, Masahiro Takamura, Satoshi Yokoyama, Maro G. Machizawa, Hui-Ling Chan, Ayumu Matani, Shigeto Yamawaki, Go Okada, Yasumasa Okamoto and Toshio Yamagishi. 2022. The neuroanatomy of social trust predicts depression vulnerability. *Scientific Reports*. [DOI](#)
194. Fermin, Alan S. R., Karl Friston and Shigeto Yamawaki. 2022. An insula hierarchical network architecture for active interoceptive inference. *Royal Society Open Science*. [DOI](#)
195. Fermin, Alan S. R., Takehiko Yoshida, Junichiro Yoshimoto, Makoto Ito, Saori C. Tanaka and Kenji Doya. 2016. Model-based action planning involves cortico-cerebellar and basal ganglia networks. *Scientific Reports*. [DOI](#)
196. Floriano, Rafael Stuani, Raphael Schezaro-Ramos and Stephen Hyslop. 2020. Neuropharmacology of coralsnake (*Micrurus*) venoms, Chapter 17, In: Advances in Coralsnake Biology with an Emphasis on South America, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.

197. Fujimura, Atsushi G. and Bernhard M. Riegl. 2017. Effects of water flow on intra- and intercolonial variability in bleaching of the zoanthid, *Palythoa caribaeorum*. *Journal of Experimental Marine Biology and Ecology*. [DOI](#)
198. Fukuda, Kenjiro and Kuniharu Takei. 2023. Flexible and Stretchable Electronics and Photonics, 9, In: The Science of Soft Robots: Design, Materials and Information Processing, Springer Nature Singapore, Singapore. [DOI](#)
199. Fukushima, Junji, Kazumu Kuramitsu, Junji Takabayashi and Yooichi Kainoh. 2021. Delayed Response after Learning Associated with Oviposition Experience in the Larval Parasitoid, *Cotesia kariyai* (Hymenoptera: Braconidae). *Journal of Insect Behavior*. [DOI](#)
200. Funamizu, Akihiro, Bernd Kuhn and Kenji Doya. 2016. Neural substrate of dynamic Bayesian inference in the cerebral cortex. *Nature Neuroscience*. [DOI](#)
201. Funamizu, Akihiro, Makoto Ito, Kenji Doya, Ryohei Kanzaki and Hirokazu Takahashi. 2015. Condition interference in rats performing a choice task with switched variable- and fixed-reward conditions. *Frontiers in Neuroscience*. [DOI](#)
202. Funari, Riccardo, Rosa Ripa, Bill Söderström, Ulf Skoglund and Amy Q. Shen. 2019. Detecting Gold Biomineralization by *Delftia acidovorans* Biofilms on a Quartz Crystal Microbalance. *ACS Sensors*. [DOI](#)
203. Galeva, Anna, Natalia Moroz, Young-Ho Yoon, Kelly T. Hughes, Fadel A. Samatey and Alla S. Kostyukova. 2014. Bacterial Flagellin-Specific Chaperone FliS Interacts with Anti-Sigma Factor FlgM. *Journal of Bacteriology*. [DOI](#)
204. Garifullina, Ainash and Amy Q. Shen. 2019. Optimized Immobilization of Biomolecules on Nonspherical Gold Nanostructures for Efficient Localized Surface Plasmon Resonance Biosensing. *Analytical Chemistry*. [DOI](#)
205. Giraudo, Alejandro R., Vanesa Arzamendia, Santiago J. Nenda and Jr. Silva, Nelson Jorge da. 2020. The Coralsnakes of Argentina, Paraguay, and Uruguay, Chapter 6, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
206. Godoy Pires, Matheus, Darlan Tavares Feitosa, Felipe G. Grazziotin, Ana Lúcia da Costa Prudente, Nelson Jorge da Silva Jr. and Hussam Zaher. 2020. Historical and taxonomic relevance of *Coluber lemniscatus* Linnaeus, 1758, Chapter 2, In: *Advances in Coralsnake Biology: with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
207. Gonda, Yusuke, Akina Matsuda, Kenichiro Adachi, Chiharu Ishii, Masataka Suzuki, Akina Osaki, Masashi Mita, Naoto Nishizaki, Yoshiyuki Ohtomo, Toshiaki Shimizu, Masato Yasui, Kenji Hamase and Jumpei Sasabe. 2023. Mammals sustain amino acid homochirality against chiral conversion by symbiotic microbes. *Proceedings of the National Academy of Sciences*. [DOI](#)

208. Gonda, Yusuke, Chiharu Ishii, Masashi Mita, Naoto Nishizaki, Yoshiyuki Ohtomo, Kenji Hamase, Toshiaki Shimizu and Jumpei Sasabe. 2022. Astrocytic D-amino acid oxidase degrades d-serine in the hindbrain. *FEBS Letters*. [DOI](#)
209. Gonzaga-Costa, Karoline, Cássia Rodrigues Roque, Alfredo Augusto Vasconcelos-Silva, Hellida Larissa Sousa-Brito, Conceição da Silva Martins Rebouça, Marta Maria Caetano-Souza, Glória Pinto Duarte, Joyce Kelly Rosário da Silva, Rosivaldo Santos Borges, Armênio Aguiar dos Santos, Pedro Jorge Caldas Magalhães and Saad Lahlou. 2021. The soluble guanylate cyclase stimulator, 1-nitro-2-phenylethane, reverses monocrotaline-induced pulmonary arterial hypertension in rats. *Life Sciences*. [DOI](#)
210. Gonzaga-Costa, Karoline, Alfredo Augusto Vasconcelos-Silva, Matyelle Jussára Rodrigues-Silva, Conceição da Silva Martins Rebouça, Glória Pinto Duarte, Rosivaldo Santos Borges, Pedro Jorge Caldas Magalhães and Saad Lahlou. 2021. Soluble guanylate cyclase stimulator, trans-4-methoxy- β -nitrostyrene, has a beneficial effect in monocrotaline-induced pulmonary arterial hypertension in rats. *European Journal of Pharmacology*. [DOI](#)
211. Goto, Takashi, Takashi Soyano, Meng Liu, Tomoko Mori and Masayoshi Kawaguchi. 2022. Auxin methylation by IAMT1, duplicated in the legume lineage, promotes root nodule development in *Lotus japonicus*. *Proceedings of the National Academy of Sciences*. [DOI](#)
212. Grammatikopoulos, Panagiotis, Cathal Cassidy, Vidyadhar Singh, Maria Benelmekki and Mukhles Sowwan. 2013. Coalescence behaviour of amorphous and crystalline tantalum nanoparticles: a molecular dynamics study. *Journal of Materials Science*. [DOI](#)
213. Grossmann, Mary M. and D. J. Lindsay. 2014. Estimation of calanoid copepod prosome length from pixel-based measurements derived from the ZooScan and ZooProcess systems. *Bulletin of Plankton Society of Japan*. [DOI](#)
214. Grossmann, Mary M., Scott M. Gallager and Satoshi Mitarai. 2015. Continuous monitoring of near-bottom mesoplankton communities in the East China Sea during a series of typhoons. *Journal of Oceanography*. [DOI](#)
215. Guillaud, Laurent Elie, Dimitar I. Dimitrov and Tomoyuki Takahashi. 2017. Presynaptic morphology and vesicular composition determine vesicle dynamics in mouse central synapses. *eLife*. [DOI](#)
216. Gusev, Oleg, Yoshitaka Suetsugu, Richard Cornette, Takeshi Kawashima, Maria D. Logacheva, Alexey S. Kondrashov, Aleksey A. Penin, Rie Hatanaka, Shingo Kikuta, Sachiko Shimura, Hiroyuki Kanamori, Yuichi Katayose, Takashi Matsumoto, Elena Shagimardanova, Dmitry Alexeev, Vadim Govorun, Jennifer Wisecaver, Alexander S. Mikheyev, Ryo Koyanagi, Manabu Fujie, Tomoaki Nishiyama, Shuji Shigenobu, Tomoko F. Shibata, Veronika Golygina, Mitsuyasu Hasebe, Takashi Okuda, Noriyuki Satoh and Takahiro Kikawada. 2014. Comparative genome sequencing reveals genomic signature

of extreme desiccation tolerance in the anhydrobiotic midge. *Nature Communications*. [DOI](#)

217. Gutierrez, Carlos Enrique, Henrik Skibbe, Hugo Musset and Kenji Doya. 2022. A Spiking Neural Network Builder for Systematic Data-to-Model Workflow. *Frontiers in Neuroinformatics*. [DOI](#)
218. Gutierrez, Carlos Enrique, Henrik Skibbe, Ken Nakae, Hiromichi Tsukada, Jean Lienard, Akiya Watakabe, Junichi Hata, Marco Reisert, Alexander Woodward, Yoko Yamaguchi, Tetsuo Yamamori, Hideyuki Okano, Shin Ishii and Kenji Doya. 2020. Optimization and validation of diffusion MRI-based fiber tracking with neural tracer data as a reference. *Scientific Reports*. [DOI](#)
219. Gutiérrez, José María, Bruno Lomonte, Steven D. Aird and Nelson Jorge da Silva Jr. 2020. Biological activities and action mechanisms of coralsnake venoms, Chapter 16, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA. ISBN: 978-0-9720154-6-2.
220. Gutiérrez, Jesus M., Bruno Lomonte, Steven D. Aird and Nelson Jorge da Silva Jr. 2016. Mecanismo de ação dos venenos das cobras corais. As Cobras Corais do Brasil: Biologia, Taxonomia, Veneno e Envenenamentos., Editora PUC Goiás, Goiânia, Goiás, Brasil.
221. Guzman, Christine, Chuya Shinzato, Tsai-Ming Lu and Cecilia Conaco. 2018. Transcriptome analysis of the reef-building octocoral, *Helioipora coerulea*. *Scientific Reports*. [DOI](#)
222. Gyoja, Fuki. 2014. A genome-wide survey of bHLH transcription factors in the Placozoan *Trichoplax adhaerens* reveals the ancient repertoire of this gene family in metazoan. *Gene*. [DOI](#)
223. Gyoja, Fuki. 2017. Basic helix-loop-helix transcription factors in evolution: Roles in development of mesoderm and neural tissues. *Genesis*. [DOI](#)
224. Gyoja, Fuki and Noriyuki Satoh. 2013. Evolutionary Aspects of Variability in bHLH Orthologous Families: Insights from the Pearl Oyster, *Pinctada fucata*. *Zoological Science*. [DOI](#)
225. Hagiyama, Man, Fuka Takeuchi, Aki Sugano, Azusa Yoneshige, Takao Inoue, Akihiro Wada, Hiroshi Kajiyama, Yutaka Takaoka, Kenroh Sasaki and Akihiko Ito. 2022. Indigo plant leaf extract inhibits the binding of SARS-CoV-2 spike protein to angiotensin-converting enzyme 2. *Experimental and Therapeutic Medicine*. [DOI](#)
226. Hamada, Mayuko, Noriyuki Satoh and Konstantin Khalturin. 2020. A Reference Genome from the Symbiotic Hydrozoan, *Hydra viridissima*. *Genes | Genomes | Genetics*. [DOI](#)
227. Hamada, Ryota, Tsugumi Asano, Masanobu Murao, Junsuke Miyasaka, Michiko Matsushita, Taishi Kajimoto, Ayumi Otagaki, Manabu Nankaku, Yasuyuki Arai, Junya Kanda, Tadakazu Kondo, Akifumi Takaori-Kondo, Ryosuke

- Ikeguchi and Shuichi Matsuda. 2022. Intramuscular adipose tissue content predicts patient outcomes after allogeneic hematopoietic stem cell transplantation. *Transplantation and Cellular Therapy*. [DOI](#)
228. Han, Chunmiao, Ruiming Du, Hui Xu, Sanyang Han, Peng Ma, Jinkun Bian, Chunbo Duan, Ying Wei, Mingzhi Sun, Xiaogang Liu and Wei Huang. 2021. Ladder-like energy-relaying exciplex enables 100% internal quantum efficiency of white TADF-based diodes in a single emissive layer. *Nature Communications*. [DOI](#)
229. Han, Dongqi, Kenji Doya and Jun Tani. 2020. Self-organization of action hierarchy and compositionality by reinforcement learning with recurrent neural networks. *Neural Networks*. [DOI](#)
230. Han, Sanyang, Zhigao Yi, Jiangbin Zhang, Qifei Gu, Liangliang Liang, Xian Qin, Jiahui Xu, Yiming Wu, Hui Xu, Akshay Rao and Xiaogang Liu. 2021. Photon upconversion through triplet exciton-mediated energy relay. *Nature Communications*. [DOI](#)
231. Hanahara, Nozomi, Takuo Higashiji, Chuya Shinzato, Ryo Koyanagi and Ken Maeda. 2019. First record of Larsonella pumilus (Teleostei: Gobiidae) from Japan, with phylogenetic placement of the genus Larsonella. *Zootaxa*. [DOI](#)
232. Harfouche, Manale, Asalah Alareeki, Aisha M M Osman, Ahmed S Alaama, Joumana G Hermez and Laith J Abu-Raddad. 2023. Epidemiology of herpes simplex virus type 2 in the Middle East and North Africa: Systematic review, meta-analyses, and meta-regressions. *Journal of Medical Virology*. [DOI](#)
233. Harfouche, Manale, Farah M. Abu-Hijleh, Charlotte James, Katharine J. Looker and Laith J. Abu-Raddad. 2021. Epidemiology of herpes simplex virus type 2 in sub-Saharan Africa: Systematic review, meta-analyses, and meta-regressions. *EClinicalMedicine*. [DOI](#)
234. Haro, Marta, Pawan Kumar, Junlei Zhao, Panagiotis Koutsogiannis, Alexander James Porkovich, Zakaria Ziadi, Theodoros Bouloumis, Vidyadhar Singh, Emilio J. Juarez-Perez, Evropi Toulkeridou, Kai Nordlund, Flyura Djurabekova, Mukhles Sowwan and Panagiotis Grammatikopoulos. 2021. Nano-vault architecture mitigates stress in silicon-based anodes for lithium-ion batteries. *Communications Materials*. [DOI](#)
235. Harun-Ur-Rashid, Mohamed, Hironori Iwasaki, Shahanz Parveen, Shigeki Oogai, Masakazu Fukuta, Mohamed Amzad Hossain, Toyoaki Anai and Hirosuke Oku. 2018. Cytosolic Cysteine Synthase Switch Cysteine and Mimosine Production in *Leucaena leucocephala*. *Applied Biochemistry and Biotechnology*. [DOI](#)
236. Hasan, Zafrul, Shin-ichi Koizumi, Daiki Sasaki, Hayato Yamada, Nana Arakaki, Yoshitaka Fujihara, Shiho Okitsu, Hiroki Shirahata and Hiroki Ishikawa. 2017. JunB is essential for IL-23-dependent pathogenicity of Th17 cells. *Nature Communications*. [DOI](#)

237. Hasegawa, Nonno, Maeva A. Techer and Alexander S. Mikheyev. 2021. A toolkit for studying Varroa genomics and transcriptomics: preservation, extraction, and sequencing library preparation. *BMC Genomics*. [DOI](#)
238. Hashimoto, Yoshiaki , Masashi Yoshimura and Rong-Nan Huang. 2019. Wasabi versus red imported fire ants: preliminary test of repellency of microencapsulated allyl isothiocyanate against *Solenopsis invicta* (Hymenoptera: Formicidae) using bait traps in Taiwan. *Applied Entomology and Zoology*. [DOI](#)
239. Hashimoto, Takuya, Satoshi Yamamoto, Masaru Kimura, Masaya Sano, Osamu Sato and Juno Deguchi. 2022. Long-Term Outcomes following Common Femoral Endarterectomy. *Journal of Clinical Medicine*. [DOI](#)
240. Hatakeyama, Yudai, Nen Saito, Yusuke Mii, Ritsuko Takada, Takuma Shinozuka, Tatsuya Takemoto, Honda Naoki and Shinji Takada. 2023. Intercellular exchange of Wnt ligands reduces cell population heterogeneity during embryogenesis. *Nature Communications*. [DOI](#)
241. Hawash, Zafer, Luis K. Ono and Yabing Qi. 2016. Moisture and oxygen enhance conductivity of LiTFSI-doped Spiro-MeOTAD hole transport layer in perovskite solar cells. *Advanced Materials Interfaces*. [DOI](#)
242. Hawash, Zafer, Sonia R. Raga, Dae-Yong Son, Luis K Ono, Nam-Gyu Park and Yabing Qi. 2017. Interfacial modification of perovskite solar cells using an ultrathin MAI layer leads to enhanced energy level alignment, efficiencies, and reproducibility. *The Journal of Physical Chemistry Letters*. [DOI](#)
243. Hayashi, Takeshi, Takayuki Teruya, Romanas Chaleckis, Susumu Morigasaki and Mitsuhiro Yanagida. 2018. S-Adenosylmethionine Synthetase Is required for cell growth, maintenance of G0 phase, and termination of quiescence in fission yeast. *iScience*. [DOI](#)
244. Heep, John, Marisa Skaljac, Jens Grotmann, Tobias Kessel, Maximilian Seip, Henrike Schmidtberg and Andreas Vilcinskas. 2019. Identification and Functional Characterization of a Novel Insecticidal Decapeptide from the Myrmicine Ant *Manica rubida*. *Toxins (Basel)*. [DOI](#)
245. Higa, Yukie, Yosuke Nabeshima, Tetsuji Kitano, Masaharu Kataoka, Akemi Nakazono and Masaaki Takeuchi. 2022. Brain natriuretic peptide measurements using standard biochemical equipment: Comparisons with conventional immunoassays. *PLoS ONE*. [DOI](#)
246. Higuchi, Shigesada, Nobuhiro Murayama, Ken-ichi Saguchi, Hiroaki Ohi, Yoshiaki Fujita, Jr. Silva, Nelson Jorge da, Rodrigo José Bezerra de Siqueira, Saad Lahlou and Steven D. Aird. 2006. A novel peptide from the ACEI/BPP-CNP precursor in the venom of *Crotalus durissus collilineatus*. *Comparative Biochemistry and Physiology C Toxicology and Pharmacology*. [DOI](#)
247. Hinz, Denis F., Alexander Panchenko, Tae-Yeon Kim and Eliot Fried. 2014. Motility versus fluctuations: mixtures of self-motile and passive particles. *Soft Matter*. [DOI](#)

248. Hirota, Masato, Miho Tamai, Sachie Yukawa, Naoyuki Taira, Melissa M. Matthews, Takeshi Toma, Yu Seto, Makiko Yoshida, Sakura Toguchi, Mio Miyagi, Tomoari Mori, Hiroaki Tomori, Osamu Tamai, Mitsuo Kina, Eishin Sakihara, Chiaki Yamashiro, Masatake Miyagi, Kentaro Tamaki, Matthias Wolf, Mary K. Collins, Hiroaki Kitano and Hiroki Ishikawa. 2023. Human immune and gut microbial parameters associated with inter-individual variations in COVID-19 mRNA vaccine-induced immunity. *Communications Biology*. [DOI](#)
249. Hiyama, Kazuhiro, Izumi Kirino and Yasuo Fukui. 2023. A case of bladder and pelvic dead space inflammation successfully treated with endoscopic ultrasound drainage. *Clinical Case Reports*. [DOI](#)
250. Ho, Paulo Lee, Ivone Kazuko Yamaguchi and Denise Vilarinho Tambourgi. 2020. Immunology of coralsnake venoms and antivenom production, 18, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA, ISBN: 978-0-9720154-6-2.
251. Hoang, Huu, Shinichiro Tsutsumi, Masanori Matsuzaki, Masanobu Kano, Mitsuo Kawato, Kazuo Kitamura and Keisuke Toyama. 2023. Dynamic organization of cerebellar climbing fiber response and synchrony in multiple functional components reduces dimensions for reinforcement learning. *eLife*. [DOI](#)
252. Hoang, Tuan and Eliot Fried. 2016. Influence of a spanning liquid film on the stability and buckling of a circular loop with intrinsic curvature or intrinsic twist density. *Mathematics and Mechanics of Solids*. [DOI](#)
253. Huang, Tsung-Yen, Masato Hirota, Daiki Sasaki, Rajkumar Singh Kalra, Hsiao-Chiao Chien, Miho Tamai, Shukla Sarkar, Yang Mi, Mio Miyagi, Yu Seto and Hiroki Ishikawa. 2023. Phosphoenolpyruvate regulates the Th17 transcriptional program and inhibits autoimmunity. *Cell Reports*. [DOI](#)
254. Homma, Miwako Kato, Nakato Ryuichiro, Niida Atsushi, Bando Masashige, Fujiki Katsunori, Yokota Naoko, Yamamoto So, Shibata Takeshi, Takagi Motoki, Yamaki Junko, Kozuka-Hata Hiroko, Oyama Masaaki, Shirahige Katsuhiko and Homma Yoshimi. 2024. Cell cycle-dependent gene networks for cell proliferation activated by nuclear CK2 α complexes. *Life Science Alliance*. [DOI](#)
255. Homma, Miwako Kato, Yuichiro Kiko, Yuko Hashimoto, Miki Nagatsuka, Naoto Katagata, Seiichiro Masui, Yoshimi Homma and Tadashi Nomizu. 2020. Intracellular localization of CK2 α as a prognostic factor in invasive breast carcinomas. *Cancer Science*. [DOI](#)
256. Honda, Satoko, Ryuki Tanaka, Guren Matsumura, Naruhito Seimiya and Kuniharu Takei. 2023. Wireless, Flexible, Ionic, Perspiration-Rate Sensor System with Long-Time and High Sweat Volume Functions Toward Early-Stage, Real-Time Detection of Dehydration. *Advanced Functional Materials*. [DOI](#)

257. Honda, Satoko, Hyuga Hara, Takayuki Arie, Seiji Akita and Kuniharu Takei. 2022. A wearable, flexible sensor for real-time, home monitoring of sleep apnea. *iScience*. [DOI](#)
258. Hong, Sungho, Mario Negrello, Marc Junker, Aleksandra Smilgin, Peter Thier and Erik De Schutter. 2016. Multiplexed coding by cerebellar Purkinje neurons. *eLife*. [DOI](#)
259. Hori, Tetsuya and Shigeo Takamori. 2022. Physiological Perspectives on Molecular Mechanisms and Regulation of Vesicular Glutamate Transport: Lessons From Calyx of Held Synapses. *Frontiers in Cellular Neuroscience*. [DOI](#)
260. Horie, Kenta, Kano Namiki, Kyouhei Kinoshita, Maki Miyauchi, Tatsuya Ishikawa, Mio Hayama, Yuya Maruyama, Naho Hagiwara, Takahisa Miyao, Shigeo Murata, Tetsuya J. Kobayashi, Nobuko Akiyama and Taishin Akiyama. 2023. Acute irradiation causes a long-term disturbance in the heterogeneity and gene expression profile of medullary thymic epithelial cells. *Frontiers in Immunology*. [DOI](#)
261. Hosaka, Marika, Hiroto Ichikawa, Shunta Sajiki, Takumi Kawamura and Takeshi Kawai. 2024. Uniform, convex structuring of polymeric colloids via site-selected swelling. *Journal of Colloid and Interface Science*. [DOI](#)
262. Hoshina, Naosuke, Asami Tanimura, Miwako Yamasaki, Takeshi Inoue, Ryoji Fukabori, Teiko Kuroda, Kazumasa Yokoyama, Tohru Tezuka, Hiroshi Sagara, Shinji Hirano, Hiroshi Kiyonari, Masahiko Takada, Kazuto Kobayashi, Masahiko Watanabe, Masanobu Kano, Takanobu Nakazawa and Tadashi Yamamoto. 2013. Protocadherin 17 regulates presynaptic assembly in topographic corticobasal ganglia circuits. *Neuron*. [DOI](#)
263. Hoshino, Ryo, Hiroko Sano, Yuto Yoshinari, Takashi Nishimura and Ryusuke Niwa. 2022. Circulating fructose regulates a germline stem cell increase via gustatory receptor-mediated gut hormone secretion in mated Drosophila. *Science Advances*. [DOI](#)
264. Hou, Bo, Luying Yi, Dehong Hu, Zichao Luo, Duyang Gao, Chao Li, Bowen Xing, Jiong-Wei Wang, Chuen Neng Lee, Rong Zhang, Zonghai Sheng, Bin Zhou and Xiaogang Liu. 2023. A swallowable X-ray dosimeter for the real-time monitoring of radiotherapy. *Nature Biomedical Engineering*. [DOI](#)
265. Hou, Bo, Luying Yi, Chao Li, He Zhao, Rong Zhang, Bin Zhou and Xiaogang Liu. 2022. An interactive mouthguard based on mechanoluminescence-powered optical fibre sensors for bite-controlled device operation. *Nature Electronics*. [DOI](#)
266. Hou, Ian Cheng-Yi, Akimitsu Narita and Klaus Müllen. 2020. Stepwise Lateral Extension of Phenyl-Substituted Linear Polyphenylenes. *Macromolecular Chemistry and Physics*. [DOI](#)
267. Hou, Ian Cheng-Yi, Valentin Diez-Cabanes, Agostino Galanti, Michal Valášek, Marcel Mayor, Jérôme Cornil, Akimitsu Narita, Paolo Samorì and Klaus Müllen. 2019. Photomodulation of Two-Dimensional Self-Assembly of

Azobenzene–Hexa-peri-hexabenzocoronene–Azobenzene Triads. *Chemistry of Materials*. [DOI](#)

268. Hsieh, Tsunghan, Daiki Sasaki, Naoyuki Taira, Hsiaochiao Chien, Shukla Sarkar, Yu Seto, Mio Miyagi and Hiroki Ishikawa. 2022. JunB Is Critical for Survival of T Helper Cells. *Frontiers in Immunology*. [DOI](#)
269. Hsin, Kun-Yi, Samik Ghosh and Hiroaki Kitano. 2014. Combining Machine Learning Systems and Multiple Docking Simulation Packages to Improve Docking Prediction Reliability for Network Pharmacology. *PLOS ONE*. [DOI](#)
270. Hsin, Kun-Yi, Yukiko Matsuoka, Yoshiyuki Asai, Kyota Kamiyoshi, Tokiko Watanabe, Yoshihito Kawaoka and Hiroaki Kitano. 2016. systemsDock: a web server for network pharmacology-based prediction and analysis. *Nucleic Acids Research*. [DOI](#)
271. Hu, Yunbin, Giuseppe M. Paternò, Xiao-Ye Wang, Xin-Chang Wang, Michele Guizzardi, Qiang Chen, Dieter Schollmeyer, Xiao-Yu Cao, Giulio Cerullo, Francesco Scatognella, Klaus Müllen and Akimitsu Narita. 2019. π -Extended Pyrene-Fused Double [7]Carbohelicene as a Chiral Polycyclic Aromatic Hydrocarbon. *Journal of the American Chemical Society*. [DOI](#)
272. Huancahuire-Vega, Salomón, M. Luciana Hollanda, Mauricio Gomes-Heleno, E. Edda Newball-Noriega and Sergio Marangoni. 2019. ACP-TX-I and ACP-TX-II, Two Novel Phospholipases A2 Isolated from Trans-Pecos Copperhead *Agkistrodon contortrix pictigaster* Venom: Biochemical and Functional Characterization. *Toxins (Basel)*. [DOI](#)
273. Huang, Shiwei and Marylka Y. Uusisaari. 2013. Physiological temperature during brain slicing enhances the quality of acute slice preparations. *Frontiers in Cellular Neuroscience*. [DOI](#)
274. Huang, Shiwei, Sungho Hong and Erik De Schutter. 2015. Non-linear leak currents affect mammalian neuron physiology. *Frontiers in Cellular Neuroscience*. [DOI](#)
275. Humphreys, Tom, Keith Weiser, Asuka Arimoto, Akane Sasaki, Gene Uenishi, Brent Fujimoto, Takeshi Kawashima, Kekoa Taparra, Janos Molnar, Noriyuki Satoh, Yusuke Marikawa and Kuni Tagawa. 2022. Ancestral Stem Cell Reprogramming Genes Active in Hemichordate Regeneration. *Frontiers in Ecology and Evolution*. [DOI](#)
276. Hyun, Jaekyung, Hideyuki Matsunami, Tae Gyun Kim and Matthias Wolf. 2022. Assembly mechanism of the pleomorphic immature poxvirus scaffold. *Nature Communications*. [DOI](#)
277. Idei, Hayato, Wataru Ohata, Yuichi Yamashita, Tetsuya Ogata and Jun Tani. 2022. Emergence of sensory attenuation based upon the free-energy principle. *Scientific Reports*. [DOI](#)
278. Igarashi, Masakazu, Toshiya Habata, Hisanao Akita, Kazuko Noda, Masanori Ogata and Makoto Saji. 2015. The NR2B antagonist, ifenprodil, corrects the l-DOPA-induced deficit of bilateral movement and reduces c-Fos expression in

- the subthalamic nucleus of hemiparkinsonian rats. *Neuroscience Research.* [DOI](#)
279. Ihara, Keiko, Yu Shikano, Sae Kato, Sho Yagishita, Kenji F. Tanaka and Norio Takata. 2024. A reinforcement learning model with choice traces for a progressive ratio schedule. *Frontiers in Behavioral Neuroscience.* [DOI](#)
280. Iida, Akane, Kenji Nohara, Fatimah Md Yusoff, Khwanruan Srinui, Tran Manh Ha, Susumu Ohtsuka, Ephrime B. Metillo, Honorio B. Pagliawan and Jun Nishikawa. 2021. Genetic diversities of commercially harvested jellyfish, *Rhopilema hispidum* and *Lobonemoides robustus* in Southeast Asia. *Plankton and Benthos Research.* [DOI](#)
281. Iida, Midori, Kyoka Kido and Kotaro Shirai. 2021. Migratory pattern and larval duration of an amphidromous goby *Rhinogobius nagoyae* at Sado Island, in northern Japan. *Marine and Freshwater Research.* [DOI](#)
282. Itsuka, Takako, Kaoru Mita, Akiko Hozumi, Mayuko Hamada, Noriyuki Satoh and Yasunori Sasakura. 2014. Transposon-mediated targeted and specific knockdown of maternally expressed transcripts in the ascidian *Ciona intestinalis*. *Scientific Reports.* [DOI](#)
283. Ikari, Naoki and Hirofumi Arakawa. 2023. Identification of a mitochondrial targeting sequence in cathepsin D and its localization in mitochondria. *Biochemical and Biophysical Research Communications.* [DOI](#)
284. Ikeda, Hirokazu, Chisato Oyake, Yuta Oonuki, Masaki Fuyama, Tsuneki Watanabe, Takashi Kyoda and Setuko Tamura. 2020. Complete resolution of urinary incontinence with treatment improved the health-related quality of life of children with functional daytime urinary incontinence: a prospective study. *Health and Quality of Life Outcomes.* [DOI](#)
285. Imura, Eisuke, Sora Enya and Ryusuke Niwa. 2024. A *Drosophila melanogaster* ortholog of pentatricopeptide repeat domain 3 (PTCD3) is essential for development. *microPublication Biology.* [DOI](#)
286. Inagaki, Akira, Mariko Takahashi and Shingo Murakami. 2020. Facial and hearing outcomes in transmastoid nerve decompression for Bell's palsy, with preservation of the ossicular chain. *Clinical Otolaryngology.* [DOI](#)
287. Inagaki, Akira, Sachio Katsumi, Shinji Sekiya and Shingo Murakami. 2021. Intratympanic steroid therapy for Bell's palsy with poor prognostic results. *Scientific Reports.* [DOI](#)
288. Inamaru, Kento, Ami Takeuchi, Marie Maeda, Hiroki Shibata, Yasuyuki Fukumaki, Naoko Oda-Ueda, Shosaku Hattori, Motonori Ohno and Takahito Chijiwa. 2020. Discovery of the Gene Encoding a Novel Small Serum Protein (SSP) of *Protobothrops flavoviridis* and the Evolution of SSPs. *Toxins (Basel).* [DOI](#)
289. Inoue, Jun. 2021. ORTHOSCOPE*: a phylogenetic pipeline to infer gene histories from genome-wide data. *Molecular Biology and Evolution.* [DOI](#)

290. Inoue, Jun. 2021. Commentary on ORTHOSCOPE: A Web Tool for Genome Comparisons. *Journal of Genetics and Genomes*. [URL](#)
291. Inoue, Jun and Naruya Saitou. 2020. dbCNS: a new database for conserved noncoding sequences. *Molecular Biology and Evolution*. [DOI](#)
292. Inoue, Jun and Noriyuki Satoh. 2018. Deuterostome genomics: Lineage-specific protein expansions that enabled chordate muscle evolution. *Molecular Biology and Evolution*. [DOI](#)
293. Inoue, Jun and Noriyuki Satoh. 2018. ORTHOSCOPE: an automatic web tool for phylogenetically inferring bilaterian orthogroups with user-selected taxa. *Molecular Biology and Evolution*. [DOI](#)
294. Inoue, Jun, Kanako Hisata, Nina Yasuda and Noriyuki Satoh. 2020. An Investigation into the Genetic History of Japanese Populations of Three Starfish, *Acanthaster planci*, *Linckia laevigata*, and *Asterias amurensis*, Based on Complete Mitochondrial DNA Sequences. *G3: Genes | Genomes | Genetics*. [DOI](#)
295. Inoue, Jun, Keisuke Nakashima and Noriyuki Satoh. 2019. ORTHOSCOPE analysis reveals the presence of the cellulose synthase gene in all tunicate genomes but not in other animal genomes. *Genes*. [DOI](#)
296. Inoue, Jun, Yuuri Yasuoka, Hiroki Takahashi and Noriyuki Satoh. 2017. The chordate ancestor possessed a single copy of the Brachyury gene for notochord acquisition. *Zoological Letters*. [DOI](#)
297. Inoue, Koji, Yuri Onitsuka and Tomoko Koito. 2021. Mussel biology: from the byssus to ecology and physiology, including microplastic ingestion and deep-sea adaptations. *Fisheries Science*. [DOI](#)
298. Inoue, Koji, Yuki Yoshioka, Hiroyuki Tanaka, Azusa Kinjo, Mieko Sassa, Ikuo Ueda, Chuya Shinzato, Atsushi Toyoda and Takehiko Itoh. 2021. Genomics and Transcriptomics of the green mussel explain the durability of its byssus. *Scientific Reports*. [DOI](#)
299. Inoue, Takeshi, Naosuke Hoshina, Takanobu Nakazawa, Yuji Kiyama, Shizuka Kobayashi, Takaya Abe, Toshifumi Yamamoto, Toshiya Manabe and Tadashi Yamamoto. 2014. LMTK3 deficiency causes pronounced locomotor hyperactivity and impairs endocytic trafficking. *Journal of Neuroscience*. [DOI](#)
300. Interaminense, Leylliane de Fatima Leal, Rodrigo Jose Bezerra de Siqueira, Fabiano Elias Xavier, Gloria Pinto Duarte, Pedro Jorge Caldas Magalhaes, Joyce Kelly Rosario da Silva, Jose Guilherme Soares Maia, Pergentino Jose da Cunha Sousa, José Henrique Leal-Cardoso and Saad Lahlou. 2011. Cardiovascular effects of 1-nitro-2-phenylethane, the main constituent of the essential oil of *Aniba canellilla*, in spontaneously hypertensive rats. *Fundamental & Clinical Pharmacology*. [DOI](#)

301. Iribarne, Maria and Ichiro Masai. 2017. Neurotoxicity of cGMP in the vertebrate retina: from the initial research on rd mutant mice to zebrafish genetic approaches. *Journal of Neurogenetics*. [DOI](#)
302. Iribarne, Maria and Ichiro Masai. 2018. Do cGMP levels drive the speed of photoreceptor degeneration? *Advances in Experimental Medicine and Biology*. [DOI](#)
303. Iribarne, Maria, David R. Hyde and Ichiro Masai. 2019. TNF α induces Müller glia to transition from non-proliferative gliosis to a regenerative response in mutant zebrafish presenting chronic photoreceptor degeneration. *Frontiers in Cell and Developmental Biology*. [DOI](#)
304. Iribarne, Maria, Yuko Nishiwaki, Shohei Nakamura, Masato Araragi, Eri Oguri and Ichiro Masai. 2017. Aipl1 is required for cone photoreceptor function and survival through the stability of Pde6c and Gc3 in zebrafish. *Scientific Reports*. [DOI](#)
305. Iribarne, Maria. 2019. Zebrafish Photoreceptor Degeneration and Regeneration Research to Understand Hereditary Human Blindness. *Photoreceptors*, InTechOpen. [DOI](#)
306. Irie, Naoki, Noriyuki Satoh and Shigeru Kuratani. 2018. The phylum Vertebrata: a case for zoological recognition. *Zoological Letters*. [DOI](#)
307. Ishikawa, Akito, Keisuke Shimizu, Yukinobu Isowa, Takeshi Takeuchi, Ran Zhao, Keiji Kito, Manabu Fujie, Noriyuki Satoh, and Kazuyoshi Endo. 2020. Functional shell matrix proteins tentatively identified by asymmetric snail shell morphology. *Scientific Reports*. [DOI](#)
308. Ishikawa, Ken and Shigeaki Saitoh. 2023. Transcriptional Regulation Technology for Gene Perturbation in Fission Yeast. *Biomolecules*. [DOI](#)
309. Ishikawa, Ken, Saeko Soejima and Shigeaki Saitoh. 2023. Genetic knockdown of genes that are obscure, conserved and essential using CRISPR interference methods in the fission yeast *S. pombe*. *Journal of Cell Science*. [DOI](#)
310. Ishikawa, Ken, Saeko Soejima, Fumie Masuda and Shigeaki Saitoh. 2021. Implementation of dCas9-mediated CRISPRi in the fission yeast *Schizosaccharomyces pombe*. *G3 Genes | Genomes | Genetics*. [DOI](#)
311. Ishikawa, Kota, Heng Wu, Satoshi Mitarai and Amatzia Genin. 2022. Effects of prey density and flow speed on plankton feeding by garden eels: a flume study. *Journal of Experimental Biology*. [DOI](#)
312. Ishikawa, Tatsuya, Kenta Horie, Yuki Takakura, Houko Ohki, Yuya Maruyama, Mio Hayama, Maki Miyauchi, Takahisa Miyao, Naho Hagiwara, Tetsuya J Kobayashi, Nobuko Akiyama and Taishin Akiyama. 2023. T-cell receptor repertoire analysis of CD4-positive T cells from blood and an affected organ in an autoimmune mouse model. *Genes to Cells*. [DOI](#)
313. Ishikawa, Tatsuya, Hiroto Ishii, Takahisa Miyao, Kenta Horie, Maki Miyauchi, Nobuko Akiyama and Taishin Akiyama. 2023. Sample Preparation and

Integrative Data Analysis of a Droplet-based Single-Cell ATAC-sequencing Using Murine Thymic Epithelial Cells. *Bio-Protocol*. [DOI](#)

314. Ishikawa, Tatsuya, Nobuko Akiyama and Taishin Akiyama. 2021. In Pursuit of Adult Progenitors of Thymic Epithelial Cells. *Frontiers in Immunology*. [DOI](#)
315. Ishiyama, Shun, Takeshi Yamada, Masato Nakamura, Masanobu Enomoto, Kiichi Sugimoto, Hajime Yokomizo, Chihiro Kosugi, Ryo Ohta, Kei Ishimaru, Hiromichi Sonoda, Keiichiro Ishibashi, Hidekazu Kuramochi, Yoichiro Yoshida, Daisuke Ichikawa, Keiji Hirata, Hiroshi Yoshida, Yojiro Hashiguchi, Hideyuki Ishida, Keiji Koda, Kenji Katsumata and Kazuhiro Sakamoto. 2022. Efficacy and safety of regorafenib dose-escalation therapy for Japanese patients with refractory metastatic colorectal cancer (RECC study). *International Journal of Clinical Oncology*. [DOI](#)
316. Isomoto, Akiko, Eiichi Shoguchi, Kanako Hisata, Jun Inoue, Yinrui Sun, Kenji Inaba, Noriyuki Satoh, Tomohisa Ogawa and Hiroki Shibata. 2022. Active Expression of Genes for Protein Modification Enzymes in Habu Venom Glands. *Toxins*. [DOI](#)
317. Isono, Kosuke, Kazumu Kuramitsu and Yooichi Kainoh. 2020. Deterrent effects of intact plants on host-searching behavior of parasitoid wasps. *Applied Entomology and Zoology*. [DOI](#)
318. Ito, Makoto and Kenji Doya. 2015. Distinct neural representation in the dorsolateral, dorsomedial, and ventral parts of the striatum during fixed- and free-choice tasks. *Journal of Neuroscience*. [DOI](#)
319. Ito, Makoto and Kenji Doya. 2015. Parallel representation of value-based and finite state-based strategies in the ventral and dorsal striatum. *PLoS Computational Biology*. [DOI](#)
320. Ito-Kureha, Taku, Takahisa Miyao, Saori Nishijima, Toru Suzuki, Shin-ichi Koizumi, Alejandro Villar-Briones, Akinori Takahashi, Nobuko Akiyama, Masahiro Morita, Isao Naguro, Hiroki Ishikawa, Hidenori Ichijo, Taishin Akiyama and Tadashi Yamamoto. 2020. The CCR4-NOT deadenylase complex safeguards thymic positive selection by down-regulating aberrant pro-apoptotic gene expression. *Nature Communications*. [DOI](#)
321. Itoh, Toshihide and Kyo Noguchi. 2022. Evaluation of the quantitative performance of non-enhanced dual-energy CT X-map in detecting acute ischemic brain stroke: A model observer study using computer simulation. *Physica Medica*. [DOI](#)
322. Iwasaka, Hiroaki, Ryo Koyanagi, Ryota Satoh, Akiko Nagano, Kenshi Watanabe, Kanako Hisata, Noriyuki Satoh and Tsunehiro Aki. 2018. A Possible Trifunctional beta-Carotene Synthase Gene Identified in the Draft Genome of *Aurantiochytrium* sp. Strain KH105. *Genes (Basel)*. [DOI](#)
323. Izawa, Jun, Noriyuki Higo and Yumi Murata. 2022. Accounting for the valley of recovery during post-stroke rehabilitation training via a model-based analysis of macaque manual dexterity. *Frontiers in Rehabilitation Sciences*. [DOI](#)

324. Janssens, Stoffel D., Vikash Chaurasia and Eliot Fried. 2017. Effect of a surface tension imbalance on a partly submerged cylinder. *Journal of Fluid Mechanics*. [DOI](#)
325. Jiang, Yan, Emilio José Juarez-Perez, Qianqing Ge, Shenghao Wang, Matthew R. Leyden, Luis K. Ono, Sonia R. Raga, Jinsong Hu and Yabing Qi. 2016. Post-annealing of MAPbI₃ perovskite films with methylamine for efficient perovskite solar cells. *Materials Horizons*. [DOI](#)
326. Jinnai, Kazuya, Nishimura, Naohiro, Adachi, Chihaya and Kabe, Ryota. 2021. Thermally activated processes in an organic long-persistent luminescence system. *Nanoscale*. [DOI](#)
327. Jo, Tomoyasu, Tomoaki Ueda, Yu Akahoshi, Tadakazu Kondo, Naoyuki Uchida, Masatsugu Tanaka, Hirohisa Nakamae, Noriko Doki, Shuichi Ota, Masashi Sawa, Hiroyuki Ohigashi, Yumiko Maruyama, Nobuyuki Takayama, Tetsuya Nishida, Yoshinobu Kanda, Tatsuo Ichinohe, Yoshiko Atsuta and Yasuyuki Arai. 2023. CR1 Favors PTCy-haplo over UCB in Allogeneic Stem Cell Transplantation for Adult Patients with AL. *Blood*. [DOI](#)
328. Jo, Tomoyasu, Yasuyuki Arai, Toshio Kitawaki, Momoko Nishikori, Chisaki Mizumoto, Junya Kanda, Kouhei Yamashita, Miki Nagao and Akifumi Takaori-Kondo. 2023. Risk analysis of fluctuating hypercalcemia after leukapheresis in cellular therapy. *Scientific Reports*. [DOI](#)
329. Jo, Tomoyasu, Yasuyuki Arai, Shinichiro Oshima, Tadakazu Kondo, Kaito Harada, Naoyuki Uchida, Noriko Doki, Takahiro Fukuda, Masatsugu Tanaka, Yukiyasu Ozawa, Takuro Kuriyama, Kazuhiro Ikegame, Yuta Katayama, Shuichi Ota, Takahide Ara, Toshiro Kawakita, Makoto Onizuka, Tatsuo Ichinohe, Yoshiko Atsuta and Masamitsu Yanada. 2023. Prognostic impact of complex and/or monosomal karyotypes in post-transplant poor cytogenetic acute myeloid leukaemia: A quantitative approach. *British Journal of Haematology*. [DOI](#)
330. Jo, Tomoyasu, Yasuyuki Arai, Junya Kanda, Tadakazu Kondo, Kazuhiro Ikegame, Naoyuki Uchida, Noriko Doki, Takahiro Fukuda, Yukiyasu Ozawa, Masatsugu Tanaka, Takahide Ara, Takuro Kuriyama, Yuta Katayama, Toshiro Kawakita, Yoshinobu Kanda, Makoto Onizuka, Tatsuo Ichinohe, Yoshiko Atsuta and Seitaro Terakura. 2023. A convolutional neural network-based model that predicts acute graft-versus-host disease after allogeneic hematopoietic stem cell transplantation. *Communications Medicine (London)*. [DOI](#)
331. Jo, Tomoyasu, Satoshi Yoshihara, Yoshiki Okuyama, Keiko Fujii, Tomoko Henzan, Kaoru Kahata, Rie Yamazaki, Wataru Takeda, Yoshihiro Umezawa, Kentaro Fukushima, Takashi Ashida, Minami Yamada-Fujiwara, Ryo Hanajiri, Noboru Yonetani, Yuma Tada, Yuji Shimura, Hidekazu Nishikii, Norio Shiba, Naoya Mimura, Jun Ando, Takayuki Sato, Yasuhiro Nakashima, Junko Ikemoto, Keita Iwaki, Shin-ichiro Fujiwara, Masaki Ri, Tokiko Nagamura-Inoue, Ryuji Tanosaki and Yasuyuki Arai. 2023. Risk factors for CAR-T cell

- manufacturing failure among DLBCL patients: A nationwide survey in Japan. *British Journal of Haematology*. [DOI](#)
332. Jo, Tomoyasu, Yasuyuki Arai, Tadakazu Kondo, Shohei Mizuno, Shigeki Hirabayashi, Yoshihiro Inamoto, Noriko Doki, Takahiro Fukuda, Yukiyasu Ozawa, Yuta Katayama, Yoshinobu Kanda, Kentaro Fukushima, Ken-Ichi Matsuoka, Satoru Takada, Masashi Sawa, Takashi Ashida, Makoto Onizuka, Tatsuo Ichinohe, Yoshiko Atsuta, Junya Kanda and Masamitsu Yanada. 2022. Advantages of peripheral blood stem cells from unrelated donors versus bone marrow transplants in outcomes of adult acute myeloid leukemia patients. *Cytotherapy*. [DOI](#)
333. Jo, Tomoyasu, Satoshi Yoshihara, Asuka Hada, Yasuyuki Arai, Toshio Kitawaki, Junko Ikemoto, Hitomi Onomoto, Hiroki Sugiyama, Kyoko Yoshihara, Natsuno Obi, Keiko Matsui, Norimi Niwa, Yoko Nakagawa, Junya Kanda, Tadakazu Kondo, Satoshi Saida, Itaru Kato, Hidefumi Hiramatsu, Souichi Adachi, Junko Takita, Akifumi Takaori-Kondo and Miki Nagao. 2022. A Clinically Applicable Prediction Model to Improve T Cell Collection in Chimeric Antigen Receptor T Cell Therapy. *Transplantation and Cellular Therapy*. [DOI](#)
334. Johnson, Sherida, Avik K. Bagdi and Fujie Tanaka. 2018. C-Glycosidation of Unprotected Di- and Trisaccharide Aldopyranoses with Ketones Using Pyrrolidine-Boric Acid Catalysis. *The Journal of Organic Chemistry*. [DOI](#)
335. Jovanovic, Nikola and Alexander S. Mikheyev. 2019. Interactive web-based visualization and sharing of phylogenetic trees using phylogeny.IO. *Nucleic Acids Research*. [DOI](#)
336. Juarez-Perez, Emilio José, Matthew R. Leyden, Shenghao Wang, Luis K. Ono, Zafer Hawash and Yabing Qi. 2016. Role of the dopants on the morphological and transport properties of Spiro-MeOTAD hole transport layer. *Chemistry of Materials*. [DOI](#)
337. Jung, Minju, Haanvid Lee and Jun Tani. 2018. Adaptive detrending to accelerate convolutional gated recurrent unit training for contextual video recognition. . *Neural Networks*. [DOI](#)
338. Jung, Min-Cherl , Matthew R. Leyden, Gueorgui O. Nikiforov, Michael V. Lee, Han-Koo Lee, Tae Joo Shin, Kazuo Takimiya and Yabing Qi. 2014. Flat-lying semiconductor-insulator interfacial layer in DNTT thin films. *ACS Applied Materials & Interfaces*. [DOI](#)
339. Jung, Min-Cherl, Sonia R. Raga and Yabing Qi. 2016. Properties and solar cell applications of Pb-free perovskite films formed by vapor deposition. *RSC Advances*. [DOI](#)
340. Jung, Min-Cherl, Young Mi Lee and Kihong Kim. 2014. Effects of carbon doping on chemical states of amorphous Ge₂Sb₂Te₅, measured with synchrotron radiation. *Current Applied Physics*. [DOI](#)

341. Jung, Min-Cherl, Dongrong Zhang, Gueorgui O. Nikiforov, Michael V. Lee, Tae Joo Shin, Docheon Ahn, Han-Koo Lee, Jaeyoon Baik, Hyun-Joon Shin and Yabing Qi. 2014. Ultrathin polycrystalline 6,13-Bis(triisopropylsilyl)ethynyl)-pentacene films. *Journal of Vacuum Science & Technology A*. [DOI](#)
342. Jung, Min-Cherl, Young Mi Lee, Han-Koo Lee, Jinwoo Park, Sonia R. Raga, Luis K. Ono, Shenghao Wang, Matthew R. Leyden, Byung Deok Yu, Suklyun Hong and Yabing Qi. 2016. The presence of CH₃NH₂ neutral species in organometal halide perovskite films. *Applied Physics Letters*. [DOI](#)
343. Kameda, Masahiro, Takayuki Teruya, Mitsuhiro Yanagida and Hiroshi Kondoh. 2021. Reduced uremic metabolites are a prominent feature of sarcopenia, distinct from antioxidative markers for frailty. *Aging*. [DOI](#)
344. Kameda, Masahiro, Shibata, Rie and Kondoh, Hiroshi. 2021. Efficient and rapid assessment of multiple aspects of frailty using the Kyoto Frailty Scale, developed from the Edmonton Frail Scale. *Journal of Physical Therapy Science*. [DOI](#)
345. Kameda, Masahiro, Takumi Mikawa, Masayuki Yokode, Nobuya Inagaki and Hiroshi Kondoh. 2021. Senescence research from historical theory to future clinical application. *Geriatrics & Gerontology International*. [DOI](#)
346. Kameda, Masahiro, Takayuki Teruya, Mitsuhiro Yanagida and Hiroshi Kondoh. 2020. Frailty markers comprise blood metabolites involved in antioxidation, cognition, and mobility. *Proceedings of the National Academy of Science USA*. [DOI](#)
347. Kananazawa, Yoshikazu, Takeshi Yamada, Tatsuro Yamaguchi, Yoshinobu Saito, Daisuke Kakinuma, Yuka Masuda, Fumihiko Ando, Ryuji Ohashi, Hidetaka Eguchi, Yasushi Okazaki, Hideyuki Ishida and Hiroshi Yoshida. 2022. A novel germline SMAD4 variant detected in a Japanese family with juvenile polyposis syndrome and hereditary hemorrhagic telangiectasia. *Japanese Journal of Clinical Oncology*. [DOI](#)
348. Kanao, Taisuke, Ryutaro Iwata, Tsubasa Sakaki, Hironobu Hirose and Masashi Yoshimura. 2019. New Distributional Records of Two Termitophilous Rove Beetles (Coleoptera, Staphylinidae) in Japan. *Elytra*. [URL](#)
349. Kanda, Shinichiro, Kazuhiro Hiyama, Izumi Kirino, Yasuo Fukui and Hideo Terashima. 2023. Effective treatment of gallbladder neuroendocrine carcinoma with nivolumab. *Clinical Case Reports*. [DOI](#)
350. Kao, Shih-Han, Shu-Yang Liang, Pei-Lin Cheng and Hsiung-Lin Tu. 2022. Surface Viscosity-Dependent Neurite Initiation in Cortical Neurons. *Advanced Biology*. [DOI](#)
351. Kashimoto, Rio, Kanako Hisata, Chuya Shinzato, Noriyuki Satoh and Eiichi Shoguchi. 2021. Expansion and Diversification of Fluorescent Protein Genes in Fifteen Acropora Species during the Evolution of Acroporid Corals. *Genes*. [DOI](#)

352. Katagiri, Daisuke, Yusuke Asai, Norio Ohmagari, Masahiro Ishikane, Sayaka Hikida, Noriko Iwamoto, Maki Nagashima, Minami Suzuki, Hideki Takano, Jin Takasaki, Masayuki Hojo, Haruhito Sugiyama, Katsushi Tokunaga, Yoshihiro Miyashita, Masao Omata, Keiichi Ohata, Kevin P. Bliden, Udaya S. Tantry, Jeffrey R. Dahlen, Takeshi Sugaya, Paul A. Gurbel and Eisei Noiri. 2023. Urinary L-Type Fatty Acid-Binding Protein Predicts Oxygen Demand of COVID-19 in Initially Mild Cases. *Critical Care Explorations*.
353. Kato, Yuichi, Luis K. Ono, Michael V. Lee, Shenghao Wang, Sonia R. Raga and Yabing Qi. 2015. Silver iodide formation in methyl ammonium lead iodide perovskite solar cells with silver top electrodes. *Advanced Materials Interfaces*. [DOI](#)
354. Kato, Yuichi, Min-Cherl Jung, Michael V. Lee and Yabing Qi. 2014. Electrical and optical properties of transparent flexible electrodes: Effects of UV ozone and oxygen plasma treatments". *Journal of Organic Electronics*. [DOI](#)
355. Kaur, M., S. Ishii, R. Nozaki and T. Nagao. Hydropower generation by transpiration from microporous alumina. *Scientific Reports*. [DOI](#)
356. Kaur, Manpreet and Tadaaki Nagao. 2022. Minireview on Solar Desalination and Hydropower Generation by Water Evaporation: Recent Challenges and Perspectives in Materials Science. *Energy & Fuels*. [DOI](#)
357. Kaur, Manpreet, Satoshi Ishii, Ryusuke Nozaki and Tadaaki Nagao. 2021. Hydropower generation by transpiration from microporous alumina. *Scientific Reports*. [DOI](#)
358. Kawachi, Akito, Taiki Nagaoka, Takumi Nakajima and Masako Nakamura. 2020. The relationship between Diadema corallivory and macroalgae in a high-latitude coral community in Japan. *Ramkhamhaeng International Journal of Science and Technology*. [DOI](#)
359. Kawai, Narudo, Yosuke Ogura, Tetsuro Ikuta, Hidetoshi Saiga, Mayuko Hamada, Tetsushi Sakuma, Takashi Yamamoto, Noriyuki Satoh and Yasunori Sasakura. 2015. Hox10-regulated endodermal cell migration is essential for development of the ascidian intestine. *Developmental Biology*. [DOI](#)
360. Kawai, Nobuyuki and Ryuzaburo Nakata. 2022. Do older adults mistake the accelerator for the brake pedal?: Older adults employ greater prefrontal cortical activity during a bipedal/bimanual response-position selection task. *Behavioural Brain Research*. [DOI](#)
361. Kawamura, Kaz, Satoko Sekida, Koki Nishitsuji, Eiichi Shoguchi, Kanako Hisata, Shigeki Fujiwara and Noriyuki Satoh. 2021. *In vitro* Symbiosis of Reef-Building Coral Cells With Photosynthetic Dinoflagellates. *Frontiers in Marine Science*. [DOI](#)
362. Kawamura, Kaz, Koki Nishitsuji, Eiichi Shoguchi, Shigeki Fujiwara and Noriyuki Satoh. 2021. Establishing Sustainable Cell Lines of a Coral, *Acropora tenuis*. *Marine Biotechnology*. [DOI](#)

363. Kawamura, Kazuto and Ichiro N. Maruyama. 2019. Forward genetic screen for *Caenorhabditis elegans* mutants with a shortened locomotor healthspan. G3: *Genes | Genomes | Genetics*. [DOI](#)
364. Kawashima, Issaku, Tomoko Hinuma, Masatoshi Nagata, Akio Yoneyama, Masaru Honjo, Hiroaki Kumano and Saori C. Tanaka. 2023. Psychometric Properties of the Japanese version of the Standardised Assessment of Personality Abbreviated Scale. *Frontiers in Psychology*. [DOI](#)
365. Kawashima, Issaku, Tomoko Hinuma and Saori C. Tanaka. 2023. Ecological momentary assessment of mind-wandering: meta-analysis and systematic review. *Scientific Reports*. [DOI](#)
366. Kawashima, Takeshi, Takeshi Takeuchi, Ryo Koyanagi, Shigeharu Kinoshita, Hirotoshi Endo and Kazuyoshi Endo. 2013. Initiating the mollusk genomics annotation community: Toward creating the complete curated gene-set of the japanese pearl oyster, *pinctada fucata* *Zoological Science*. [DOI](#)
367. Kawato, Mitsuo and Aurelio Cortese. 2021. From internal models toward metacognitive AI. *Biological Cybernetics*. [DOI](#)
368. Kawato, Mitsuo, Shogo Ohmae, Huu Hoang and Terry Sanger. 2020. 50 Years Since the Marr, Ito, and Albus Models of the Cerebellum. *Neuroscience*. [DOI](#)
369. Kenmochi, Akiyuki, Daisuke Takahashi, Hiroyuki Matsuura, Takashi Yoshikawa, Rumi Sohrin, Yumiko Obayashi, Hiroshi Kuroda and Jun Nishikawa. 2022. Cladoceran communities in offshore Suruga Bay, Japan: How are they formed? *Journal of Oceanography*. [DOI](#)
370. Kenmochi, Akiyuki, Hiroyuki Matsuura, Takashi Yoshikawa, Rumi Sohrin, Yumiko Obayashi and Jun Nishikawa. 2022. Seasonal abundance of marine cladocerans in the offshore waters of Suruga Bay, Japan. *Plankton and Benthos Research*. [DOI](#)
371. Kevinsanny, Saburo Okazaki, Osamu Takakuwa, Yuhei Ogawa, Yusuke Funakoshi, Hideto Kawashima, Saburo Matsuoka and Hisao Matsunaga. 2020. Defect tolerance and hydrogen susceptibility of the fatigue limit of an additively manufactured Ni-based superalloy 718. *International Journal of Fatigue*. [DOI](#)
372. Khalturin, Konstantin, Chuya Shinzato, Maria Khalturina, Mayuko Hamada, Manabu Fujie, Ryo Koyanagi, Miyuki Kanda, Hiroki Goto, Friederike Anton-Erxleben, Masaya Toyokawa, Sho Toshino and Noriyuki Satoh. 2019. Medusozoan genomes inform the evolution of the jellyfish body plan. *Nature Ecology & Evolution*. [DOI](#)
373. Khandarkhaeva, Marina, Agniya Batoeva, Marina Sizykh, Denis Aseev and Natalia Garkusheva. 2019. Photo-Fenton-like degradation of bisphenol A by persulfate and solar irradiation. *Journal of Environmental Management*. [DOI](#)
374. Kim, Oanh T. P., Phuong T. Nguyen, Eiichi Shoguchi, Kanako Hisata, Thuy T. B. Vo, Jun Inoue, Chuya Shinzato, Binh T. N. Le, Koki Nishitsuji, Miyuki Kanda,

- Vu H. Nguyen, Hai V. Nong and Noriyuki Satoh. 2018. A draft genome of the striped catfish, *Pangasianodon hypophthalmus*, for comparative analysis of genes relevant to development and a resource for aquaculture improvement. *BMC Genomics*. [DOI](#)
375. Kimura, Natsuka, Hidenori Takahashi, Shinichi Sakamoto, Yasuo Yanagi, Nozomi Maeshima, Ayaka Minamimoto, Noriko Iwamoto, Takashi Shimada, Ryozo Nagai and Kenichi Aizawa. 2022. Microvolume Analysis of Aflibercept in Aqueous Humor Using Mass Spectrometry. *Translational Vision Science & Technology*. [DOI](#)
376. Kinjo, Ken, Eiji Uchibe and Kenji Doya. 2013. Evaluation of linearly solvable Markov decision process with dynamic model learning in a mobile robot navigation task. *Frontiers in Neurorobotics*. [DOI](#)
377. Kitade, Shiori, Noriyuki Endo, Yasuyuki Nogata, Kiyotaka Matsumura, Ko Yasumoto, Akira Iguchi and Takefumi Yorisue. 2022. Faint chemical traces of conspecifics delay settlement of barnacle larvae. *Frontiers in Marine Science*. [DOI](#)
378. Kitamura, Shuhei and Tetsuya Matsubayashi. 2021. Now or Later?: The Inter-temporal Decision-making of Electoral Participation. *Social Science Research Network*. [DOI](#)
379. Kitano, Tetsuji, Yosuke Nabeshima, Yasufumi Nagata and Masaaki Takeuchi. 2023. Prognostic value of the right ventricular ejection fraction using three-dimensional echocardiography: Systematic review and meta-analysis. *PLoS One*. [DOI](#)
380. Kitano, T., A. Kovács, Y. Nabeshima, M. Tokodi, A. Fábián, B. K. Lakatos and M. Takeuchi. 2022. Prognostic Value of Right Ventricular Strains Using Novel Three-Dimensional Analytical Software in Patients With Cardiac Disease. *Frontiers in Cardiovascular Medicine*. [DOI](#)
381. Kitano, Tetsuji, Yosuke Nabeshima, Masaharu Kataoka and Masaaki Takeuchi. 2021. Therapeutic efficacy of direct oral anticoagulants and vitamin K antagonists for left ventricular thrombus: Systematic review and meta-analysis. *PLoS One*. [DOI](#)
382. Kitano, Tetsuji, Yosuke Nabeshima, Kazuaki Negishi and Masaaki Takeuchi. 2020. Prognostic value of automated longitudinal strain measurements in asymptomatic aortic stenosis. *Heart*. [DOI](#)
383. Kleiman, David M., Denis F. Hinz, Yoichi Takato and Eliot Fried. 2016. Influence of material stretchability on the equilibrium shape of a Möbius band. *Soft Matter*. [DOI](#)
384. Ko, Kazuhide, Yoshikazu Kananazawa, Takeshi Yamada, Daisuke Kakinuma, Kunihiko Matsuno, Fumihiro Ando, Sho Kuriyama, Akihisa Matsuda and Hiroshi Yoshida. 2021. Methylation status and long-fragment cell-free DNA are prognostic biomarkers for gastric cancer. *Cancer Medicine*. [DOI](#)

385. Kobayashi, Kenji, Miki Tokuoka, Hiroaki Sato, Manami Ariyoshi, Shiori Kawahara, Shigeki Fujiwara, Takeo Kishimoto and Yutaka Satou. 2022. Regulators specifying cell fate activate cell cycle regulator genes to determine cell numbers in ascidian larval tissues. *Development*. [DOI](#)
386. Kobayashi, Kenji, Kazuki Maeda, Miki Tokuoka, Atsushi Mochizuki and Yutaka Satou. 2021. Using linkage logic theory to control dynamics of a gene regulatory network of a chordate embryo. *Scientific Reports*. [DOI](#)
387. Kobayashi, Keisuke, Taichi Ohshiro, Hiroshi Tomoda, Feng Yin, Hai-Lei Cui, Pandurang V. Chouthaiwale and Fujie Tanaka. 2016. Discovery of SOAT2 inhibitors from synthetic small molecules. *Bioorganic & Medicinal Chemistry Letters*. [DOI](#)
388. Kobayashi, Kenji, Lixy Yamada, Yutaka Satou and Noriyuki Satoh. 2013. Differential gene expression in notochord and nerve cord fate segregation in the *Ciona intestinalis* embryo. *Genesis*. [DOI](#)
389. Kobayashi, Riona, Masaya Masumori, Takeshi Tange, Keitaro Tanoi, Natsuko I. Kobayashi and Satoru Miura. 2023. Effect of Exchangeable and Nonexchangeable Potassium in Soil on Cesium Uptake by *Quercus serrata* Seedlings, In: *Agricultural Implications of Fukushima Nuclear Accident (IV): After 10 Years*, Springer Nature Singapore, Singapore. [DOI](#)
390. Kohara, Shin, Yuki Matsuzawa and Yutaka Kuroda. 2022. Lattice-model analysis of the effect of protein surface charge distribution on amorphous aggregation and condensation. *Chemical Physics Letters*. [DOI](#)
391. Koike, Ai, Masako Arimura-Omori, Shuyo Umeda, Akihisa Takano, Yasuyuki Kishikawa, Satoshi Nakamura, Yuriko Takahata, Yuki Okamatsu, Akitaka Fujita and Taishi Harada. 2023. Anti-EJ antibody-positive interstitial pneumonia with breast cancer improved by combining immunosuppressive therapy and chemotherapy. *Respiratory Medicine Case Reports*. [DOI](#)
392. Koizumi, Shin-ichi , Daiki Sasaki, Tsung-Han Hsien, Naoyuki Taira, Nana Arakaki, Shinichi Yamasaki, Ke Wang, Shukla Sarkar, Hiroki Shirahata, Mio Miyagi Miyagi and Hiroki Ishikawa. 2018. JunB regulates homeostasis and suppressive functions of effector regulatory T cells. *Nature Communications*. [DOI](#)
393. Kojima, Takahiro, Cong Xie, Karan Patel, Shunpei Nobusue, Kazuhiro Fukami and Hiroshi Sakaguchi. 2023. Molecular-Vapor-Assisted Low-Temperature Growth of Graphene Nanoribbons. *The Journal of Physical Chemistry C*. [DOI](#)
394. Koldaeva, Anzhelika, Andreas T. Schaefer and Izumi Fukunaga. 2019. Rapid task-dependent tuning of the mouse olfactory bulb. *eLife*. [DOI](#)
395. Koludarov, Ivan, Tobias Senoner, Timothy N. W. Jackson, Daniel Dashevsky, Michael Heinzinger, Steven D. Aird and Burkhard Rost. 2023. Domain loss enabled evolution of novel functions in the snake three-finger toxin gene superfamily. *Nature Communications*. [DOI](#)

396. Koludarov, Ivan and Steven D. Aird. 2019. Snake venom NAD glycohydrolases: primary structures, genomic location, and gene structure. *PeerJ*. [DOI](#)
397. Komatsuzaki, Suguru, Nanami Sakata, Giyu Usuki, Yasuhiro Ishiga and Yooichi Kainoh. 2023. Plant responses induced by *Adoxophyes honmai* oviposition in host tea plants and non-host *Arabidopsis thaliana*. *Phytoparasitica*. [DOI](#)
398. Komatsuzaki, S., N. Piyasaengthong, S. Matsuyama and Y. Kainoh. 2021. Effect of Leaf Maturity on Host Habitat Location by the Egg-Larval Parasitoid *Ascogaster reticulata*. *Journal of Chemical Ecology*. [DOI](#)
399. Komeda, Joe, Kenji Takada, Hiroaki Maeda, Naoya Fukui, Takuya Tsuji and Hiroshi Nishihara. 2022. Chemically Laminated 2D Bis(terpyridine)metal Polymer Films: Formation Mechanism at the Liquid-Liquid Interface and Redox Rectification. *Chemistry*. [DOI](#)
400. Komiya, Reina, Hajime Ohyanagi, Mitsuru Niihama, Toshiaki Watanabe, Mutsuko Nakano, Nori Kurata and Ken-Ichi Nonomura. 2014. Rice germline-specific Argonaute MEL1 protein binds to phasiRNAs generated from more than 700 lincRNAs. *Plant Journal*. [DOI](#)
401. Komiya, Reina. 2017. Biogenesis of diverse plant phasiRNAs involves an miRNA-trigger and Dicer-processing. *Journal of Plant Research*. [DOI](#)
402. Kondo, Hirohito M, Hiroki Terashima, Ken Kihara, Takanori Kochiyama, Yasuhiro Shimada and Jun I. Kawahara. 2023. Prefrontal GABA and glutamate-glutamine levels affect sustained attention. *Cerebral Cortex*. [DOI](#)
403. Kondo, Hirohito M., Hiroki Terashima, Ken Kihara, Takanori Kochiyama, Yasuhiro Shimada and Jun I. Kawahara. 2023. Prefrontal GABA and glutamate-glutamine levels affect sustained attention. *Cerebral Cortex*. [DOI](#)
404. Kondo, Hirohito M., Hiroki Terashima, Takahiro Ezaki, Takanori Kochiyama, Ken Kihara and Jun I. Kawahara. 2022. Dynamic Transitions Between Brain States Predict Auditory Attentional Fluctuations. *Frontiers in Neuroscience*. [DOI](#)
405. Kondoh, Hiroshi and Eiji Hara. 2022. Targeting p21 for diabetes: Another choice of senotherapy. *Cell Metabolism*. [DOI](#)
406. Kondoh, Hiroshi, Takayuki Teruya, Masahiro Kameda and Mitsuhiro Yanagida. 2022. Decline of ergothioneine in frailty and cognition impairment. *FEBS Letters*. [DOI](#)
407. Kondoh, Hiroshi, Takayuki Teruya, Yung-Ju Chen, Yasuhide Fukuji and Mitsuhiro Yanagida. 2022. Reply to Zheng et al.: Clinical metabolomics: Detailed analysis by nontargeted method is complementary to large-scale studies. *Proceedings of the National Academy of Sciences*. [DOI](#)
408. Kondoh, H., Kameda, M., Yanagida, M., 2021. Whole Blood Metabolomics in Aging Research. *International Journal of Molecular Sciences*. [DOI](#)
409. Kondoh, Hiroshi, Teruya, Takayuki, Yanagida, Mitsuhiro, 2020. Metabolomics of human fasting: new insights about old questions. *Open Biology*. [DOI](#)

410. Konstantinov, Denis and Kimitoshi Kono. 2013. First study of intersubband absorption in electrons on helium under quantizing magnetic fields. *Journal of the Physical Society of Japan*. [DOI](#)
411. Konstantinov, Denis, Masamitsu Watanabe and Kimitoshi Kono. 2013. Self-generated audio-frequency oscillations in 2D electrons with nonequilibrium carrier distribution on liquid helium. *Journal of the Physical Society of Japan*. [DOI](#)
412. Konstantinov, Denis, Yuriy P. Monarkha and Kimitoshi Kono. 2013. Effect of coulomb interaction on microwave-induced magnetoconductivity oscillations of surface electrons on liquid helium. *Physical Review Letters*. [DOI](#)
413. Kotetsu, Yasuaki, Toyoshi Yanagihara, Kunihiro Suzuki, Hiroyuki Ando, Daisuke Eto, Kentaro Hata, Masako Arimura-Omori, Yuzo Yamamoto, Eiji Harada and Naoki Hamada. 2021. Imaging Changes and Immune-Checkpoint Expression on T Cells in Bronchoalveolar Lavage Fluid from Patients with Pulmonary Sarcoidosis. *Biomedicines*. [DOI](#)
414. Kotsifaki, Domna G. and Sile Nic Chormaic. 2019. Plasmonic optical tweezers based on nanostructures: fundamentals, advances and prospects. *Nanophotonics*. [DOI](#)
415. Kotsifaki, Domna G., Viet Giang Truong and Sile Nic Chormaic. 2020. Fano-Resonant, Asymmetric, Metamaterial-Assisted Tweezers for Single Nanoparticle Trapping. *Nano Letters*. [DOI](#)
416. Kouno, Takahide, Satoshi Shibata, Megumi Shigematsu, Jaekyung Hyun, Tae Gyun Kim, Hiroshi Matsuo and Matthias Wolf. 2023. Structural insights into RNA bridging between HIV-1 Vif and antiviral factor APOBEC3G. *Nature Communications*. [DOI](#)
417. Kowallik, Vienna and Alexander S. Mikheyev. 2021. Honey Bee Larval and Adult Microbiome Life Stages Are Effectively Decoupled with Vertical Transmission Overcoming Early Life Perturbations. *mBio*. [DOI](#)
418. Kozuno, Tadashi, Eiji Uchibe and Kenji Doya. 2019. Theoretical Analysis of Efficiency and Robustness of Softmax and Gap-Increasing Operators in Reinforcement Learning. *Proceedings of Machine Learning Research*.
419. Kozuno, Tadashi, Eiji Uchibe and Kenji Doya. 2017. Unifying Value Iteration, Advantage Learning, and Dynamic Policy Programming. *DeepAI*. [URL](#)
420. Krasilnikov, Oleg V., Petr G. Merzlyak, Liliya N. Yuldasheva, Claudio G. Rodrigues and Romildo A. Nogueira. 1999. Heparin influence on α -staphylotoxin formed channel. *Biochimica et Biophysica Acta*. [DOI](#)
421. Kudo, Takashi, Yuichi Morohashi and Yoko Yazaki-Sugiyama. 2020. Early Auditory Experience Modifies Neuronal Firing Properties in the Zebra Finch Auditory Cortex. *Frontiers in Neural Circuits*. [DOI](#)

422. Kuhn, Bernd and Christopher J. Roome. 2019. Primer to Voltage Imaging With ANNINE Dyes and Two-Photon Microscopy. *Frontiers in Cellular Neuroscience*. [DOI](#)
423. Kumar Barman, Barun, Tadaaki Nagao and Karuna Kar Nanda. 2020. Dual roles of a transparent polymer film containing dispersed N-doped carbon dots: A high-efficiency blue light converter and UV screen. *Applied Surface Science*. [DOI](#)
424. Kumar, Sushant, Vidyadhar Singh, Cathal Cassidy, Christopher Pursell, Chinmay Nivargi, Bruce Clemens and Mukhles Sowwan. 2016. Hydrogenation of Mg nanofilms catalyzed by size-selected Pd nanoparticles: Observation of localized MgH₂ nanodomains. *Journal of Catalysis*. [DOI](#)
425. Kuo, Yu-Ju, Ching-Hu Chung, Tzu-Yu Pan, Woei-Jer Chuang and Tur-Fu Huang. 2019. A Novel α IIb β 3 Antagonist from Snake Venom Prevents Thrombosis without Causing Bleeding. *Toxins (Basel)*. [DOI](#)
426. Kuriyama, Sho, Takeshi Yamada, Akihisa Matsuda, Goro Takahashi, Takuma Iwai, Kohki Takeda, Koji Ueda, Toshimitsu Miyasaka, Yasuyuki Yokoyama, Seiichi Shinji, Hiromichi Sonoda, Ryo Ohta, Kazuhide Yonaga, Shintaro Kanaka and Hiroshi Yoshida. 2022. Biomarkers for anti-vascular endothelial growth factor drugs. *Oncology Letters*. [DOI](#)
427. Kuroda, Megumi, Toshihiro Nagasaki, Tomoko Koito, Yuki Hongo, Takao Yoshida, Tadashi Maruyama, Shinji Tsuchida, Suguru Nemoto and Koji Inoue. 2021. Possible Roles of Hypotaurine and Thiotaurine in the Vesicomyid Clam Phreagena okutanii. *The Biological Bulletin*. [DOI](#)
428. Kuroda, Yutaka. 2022. Biophysical studies of amorphous protein aggregation and in vivo immunogenicity. *Biophysical Reviews*. [DOI](#)
429. Kwon, Taek Hun, Kyoungin Min, Matthias Wolf, Changill Ban and Tae Gyun Kim. 2022. Crystallization and X-ray crystallographic analysis of ribose 5-phosphate isomerase B in complex with its ligand from *Vibrio vulnificus*. *BIODESIGN*. [DOI](#)
430. Kyono, Koichi, Yuya Takeshige, Masayuki Ochi, Yusuke Nakamura, Hinaki Nakadate, Wakaba Miyamoto, Noriyuki Okuyama, Mika Ishii, Horimitsu Hattori, Jin Kumagai, Masae Koizumi, Mayumi Toya, Hideki Igarashi, Koki Yoshinaga and Tomoko Hashimoto. 2022. Evidence-based Ovarian Tissue Cryopreservation (OTC)/ Ovarian Tissue Transplantation (OTT): Learning from the Leading Countries of Europe. *Journal of Fertilization and Implantation (Tokyo)* 39(2): 199-208.
431. Lahlou, Saad and Gloria Pinto Duarte. 1998. Bromocriptine-induced tachycardia in conscious rats: blunted response following isoproterenol pretreatment for 5 days. *Acta Physiologica Pharmacologica et Therapeutica Latinoamericana*. [DOI](#)
432. Lahlou, Saad, Guilherme C. Lima, Carmelo S. Leao-Filho and Gloria Pinto Duarte. 2000. Effects of long-term pretreatment with isoproterenol on bromocriptine-

- induced tachycardia in conscious rats. *Canadian Journal of Physiology and Pharmacology*. [DOI](#)
433. Lahlou, Saad. 1998. Involvement of spinal dopamine receptors in mediation of the hypotensive and bradycardic effects of systemic quinpirole in anaesthetised rats. *European Journal of Pharmacology*. [DOI](#)
434. Lahlou, Saad. 1999. Cardiovascular responses to intrathecal dopamine receptor agonists in conscious DOCA-salt hypertensive rats. *Fundamental & Clinical Pharmacology*. [DOI](#)
435. Lahlou, Saad. 2000. Blunted pressor responsiveness to intravenous quinpirole in conscious, chronic spinal cord-transected rats: peripheral vs. spinal mechanisms. *European Journal of Pharmacology*. [DOI](#)
436. Lahlou, Saad. 2001. Central bromocriptine-induced tachycardia is reversed to bradycardia in conscious, deoxycorticosterone acetate-salt hypertensive rats. *Pharmacology & Toxicology*. [DOI](#)
437. Lahlou, Saad. 2002. Blockade of spinal dopamine D2 receptors enhances the pressor effect of intravenous quinpirole in normotensive, conscious rats. *Pharmacology & Toxicology*. [DOI](#)
438. Lahlou, Saad. 2003. Mechanisms underlying the cardiovascular responses to spinal dopamine receptor stimulation by apomorphine in anesthetized rats. *Neuroscience Letters*. [DOI](#)
439. Le Gal, Marine and Satoshi Mitarai. 2020. Reef influence quantification in light of the 1771 Meiwa tsunami. *Ocean & Coastal Management*. [DOI](#)
440. Le, Tu Ngoc, Yuji Miyazaki, Shohei Takuno and Hidetoshi Saze. 2014. Epigenetic regulation of intragenic transposable elements impacts gene transcription in *Arabidopsis thaliana*. *Nucleic Acids Research*. [DOI](#)
441. Lee, Michael V., Sonia R. Raga, Yuichi Kato, Matthew R. Leyden, Luis K. Ono, Shenghao Wang and Yabing Qi. 2017. Transamidation of dimethylformamide during alkylammonium lead triiodide film formation for perovskite solar cells. *Journal of Materials Research*. [DOI](#)
442. Lee, Ray X., Greg J. Stephens and Bernd Kuhn. 2022. Social Relationship as a Factor for the Development of Stress Incubation in Adult Mice. *Frontiers in Behavioral Neuroscience*. [DOI](#)
443. Lee, Ray X., Jian-Jia Huang, Chiming Huang, Meng Li Tsai and Chen-Tung Yen. 2015. Plasticity of cerebellar Purkinje cells in behavioral training of body balance control. *Frontiers in Systems Neuroscience*. [DOI](#)
444. Lee, Young Min , D. Ahn, J.-Y. Kim, Y. S. Kim, S. Cho, M. Ahn, M.-H. Cho, M. S. Jung, D. K. Choi, Min-Cherl Jung and Yabing Qi. 2014. Only the chemical state of Indium changes in Mn-doped In₃Sb₁Te₂ (Mn: 10 at.%) during multi-level resistance changes. *Scientific Reports*. [DOI](#)

445. Lee, Young Mi, Min-Sang Jung, Duck-Kyun Choi and Min-Cherl Jung. 2015. Observations on Si-based micro-clusters embedded in TaN thin film deposited by co-sputtering with oxygen contamination. *AIP Advances*. [DOI](#)
446. Lee, Young Min, S. Y. Lee, T. Sasaki, K. Kim, D. Ahn and Min-Cherl Jung. 2016. Two different phase-change origins with chemical- and structural-phase-changes in C doped (1.5 wt.%) In₃Sb₁Te₂. *Scientific Reports*. [DOI](#)
447. Leonhardt, Valeria, José Henrique Leal-Cardoso, Saad Lahlou, Aline A. C. Albuquerque, Romulo Sousa Porto, Natalia R. Celedonio, Ariclecio C. Oliveira, Renalison F. Pereira, Leidiane P. Silva, Taylena M. N. Garcia-Teofilo, Anna P. F. S. Silva, Pedro Jorge Caldas Magalhaes, Gloria Pinto Duarte and Andrelina Noronha Coelho-de-Souza. 2010. Antispasmodic effects of essential oil of *Pterodon polygalaeformis* and its main constituent beta-caryophyllene on rat isolated ileum. *Fundamental & Clinical Pharmacology*. [DOI](#)
448. Li, Kun-Lung, Keisuke Nakashima, Kanako Hisata and Noriyuki Satoh. 2023. Expression and possible functions of a horizontally transferred glycosyl hydrolase gene, GH6-1, in *Ciona* embryogenesis. *EvoDevo*. [DOI](#)
449. Li, Kun-Lung, Keisuke Nakashima, Jun Inoue and Noriyuki Satoh. 2020. Phylogenetic Analyses of Glycosyl Hydrolase Family 6 Genes in Tunicates: Possible Horizontal Transfer. *Genes*. [DOI](#)
450. Li, Luyan and Kazuyoshi Endo. 2020. Phylogenetic positions of “pico-sized” radiolarians from middle layer waters of the tropical Pacific. *Progress in Earth and Planetary Science*. [DOI](#)
451. Li, Wenfang, Jinjin Du and Sile Nic Chormaic. 2018. Tailoring a nanofiber for enhanced photon emission and coupling efficiency from single quantum emitters. *Optics Letters*. [DOI](#)
452. Li, Wenfang, Jinjin Du, Viet Giang Truong and Síle Nic Chormaic. 2017. Optical nanofiber-based cavity induced by periodic air-nanohole arrays. *Applied Physics Letters*. [DOI](#)
453. Li, Xiyan, Xiaowang Liu and Xiaogang Liu. 2021. Self-assembly of colloidal inorganic nanocrystals: nanoscale forces, emergent properties and applications. *Chemical Society Reviews*. [DOI](#)
454. Li, Xue, Masahiro Morita, Chisato Kikuguchi, Akinori Takahashi, Toru Suzuki and Tadashi Yamamoto. 2016. Adipocyte-specific disruption of mouse Cnot3 causes lipodystrophy. *FEBS Letters*. [DOI](#)
455. Li, Yu, Teruaki Fujishita, Emi Mishiro-Sato, Yasushi Kojima, Yanqing Niu, Makoto Mark Taketo, Yuya Urano, Tomohisa Sakai, Atsushi Enomoto, Yoshihiro Nishida and Masahiro Aoki. 2023. TGF-β signaling promotes desmoid tumor formation via CSRP2 upregulation. *Cancer Science*. [DOI](#)

456. Liang, Liangliang, Jiaye Chen and Xiaogang Liu. 2023. 8.11 - Lanthanide-doped upconversion nanomaterials, In: *Comprehensive Inorganic Chemistry III (Third Edition)*, Elsevier, Oxford. [DOI](#)
457. Liang, Liangliang, Chongwu Wang, Jiaye Chen, Qi Jie Wang and Xiaogang Liu. 2022. Incoherent broadband mid-infrared detection with lanthanide nanotransducers. *Nature Photonics*. [DOI](#)
458. Lima-Accioly, P. M., P. R. Lavor-Porto, F. S. Cavalcante, Pedro Jorge Caldas Magalhaes, Saad Lahlou, S. M. Morais and José Henrique Leal-Cardoso. 2006. Essential oil of croton nepetaefolius and its main constituent, 1,8-cineole, block excitability of rat sciatic nerve *in vitro*. *Clinical and Experimental Pharmacology and Physiology*. [DOI](#)
459. Lima, Felipe Crescencio, Dieniffer Peixoto-Neves, Maria Diana Moreira Gomes, Andrelina Noronha Coelho-de-Souza, Crystianne Calado Lima, Walter Araujo Zin, Pedro Jorge Caldas Magalhaes, Saad Lahlou and José Henrique Leal-Cardoso. 2011. Antispasmodic effects of eugenol on rat airway smooth muscle. *Fundamental & Clinical Pharmacology*. [DOI](#)
460. Lin, Hung-Hsuan, Chun- I. Wang, Chou-Hsun Yang, Muhammad Khari Secario and Chao-Ping Hsu. 2024. Two-Step Machine Learning Approach for Charge-Transfer Coupling with Structurally Diverse Data. *The Journal of Physical Chemistry A*. [DOI](#)
461. Lin, Jui-Yin, Aleksandr V. Smorodin, Alexaner O. Badrutdinov and Denis Konstantinov. 2018. Sliding of an electron crystal of finite size on the surface of superfluid ^4He confined in a microchannel. *Physical Review B*. [DOI](#)
462. Lin, Jui-Yin, Alexander V. Smorodin, Alexander O. Badrutdinov and Denis Konstantinov. 2018. Transport properties of a quasi-1D Wigner solid on liquid helium confined in a microchannel with periodic potential. *Journal of Low-Temperature Physics*. [DOI](#)
463. Liu, Boqi, Ximan Ren and Yutaka Satou. 2023. BMP signaling is required to form the anterior neural plate border in ascidian embryos. *Development, Genes and Evolution*. [DOI](#)
464. Liu, Chia-Ming, Supannee Phukhahad, Wanida Auamcharoen, Shigeru Matsuyama and Yooichi Kainoh. 2022. Oviposition preferences of the oriental fruit moth *Grapholita molesta* (Lepidoptera: Tortricidae) to pear HIPVs. *Arthropod-Plant Interactions*. [DOI](#)
465. Liu, Chia-Ming and Yooichi Kainoh. 2020. Laboratory rearing of *Lytopylus rufipes* (Hymenoptera: Braconidae: Agathidinae), a parasitoid wasp of the oriental fruit moth, *Grapholita molesta* (Lepidoptera: Tortricidae), using apple and a commercially available diet. *Applied Entomology and Zoology*. [DOI](#)
466. Liu, Yuxia, Zhigao Yi, Yun Yao, Bing Guo and Xiaogang Liu. 2022. Noninvasive Manipulation of Ion Channels for Neuromodulation and Theranostics. *Accounts of Materials Research*. [DOI](#)

467. Lomonte, Bruno, Juan J. Calvete, Julián Fernández, Davinia Pla Ferrer, Paola Rey-Suárez, Libia Sanz, José María Gutiérrez and Mahmood Sasa. 2020. Venomic analyses of coralsnakes, Chapter 15, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
468. Lopez-Huerta, Violeta G., Jai A. Denton, Yoko Nakano, Omar Jaidar, Marianela Garcia-Munoz and Gordon W. Arbuthnott. 2021. Striatal bilateral control of skilled forelimb movement. *Cell Reports*. [DOI](#)
469. Lu, Tsai-Ming, Miyuki Kanda, Hidetaka Furuya and Noriyuki Satoh. 2019. Dicyemid mesozoans: A unique parasitic lifestyle and a reduced genome. *Genome Biology and Evolution*. [DOI](#)
470. Lu, Tsai-Ming, Miyuki Kanda, Noriyuki Satoh and Hidetaka Furuya. 2017. The phylogenetic position of dicyemid mesozoans offers insights into spiralian evolution. *Zoological Letters*. [DOI](#)
471. Luo, Yi-Jyun, Miyuki Kanda, Ryo Koyanagi, Kanako Hisata, Tadashi Akiyama, Hirotaka Sakamoto, Tatsuya Sakamoto and Noriyuki Satoh. 2017. Nemertean and phoronid genomes reveal lophotrochozoan evolution and the origin of bilaterian heads. *Nature Ecology & Evolution*. [DOI](#)
472. Luo, Yi-Jyun, Noriyuki Satoh and Kazuyoshi Endo. 2015. Mitochondrial gene order variation in the brachiopod Lingula anatina and its implications for mitochondrial evolution in lophotrochozoans. *Marine Genomics*. [DOI](#)
473. Luo, Yi-Jyun, Takeshi Takeuchi, Ryo Koyanagi, Lixy Yamada, Miyuki Kanda, Mariia Khalturina, Manabu Fujie, Shin-ichi Yamasaki, Kazuyoshi Endo and Noriyuki Satoh. 2015. The Lingula genome provides insights into brachiopod evolution and the origin of phosphate biomineralization. *Nature Communications*. [DOI](#)
474. Luo, Zichao, Xiuqi Liang, Tao He, Xian Qin, Xinchao Li, Yueshan Li, Lu Li, Xian Jun Loh, Changyang Gong and Xiaogang Liu. 2022. Lanthanide-Nucleotide Coordination Nanoparticles for STING Activation. *Journal of the American Chemical Society*. [DOI](#)
475. Luo, Zichao, Dehong Hu, Duyang Gao, Zhigao Yi, Hairong Zheng, Zonghai Sheng and Xiaogang Liu. 2021. High-Specificity In Vivo Tumor Imaging Using Bioorthogonal NIR-IIb Nanoparticles. *Advanced Materials*. [DOI](#)
476. Luo, Zichao, Melgious Jin Yan Ang, Siew Yin Chan, Zhigao Yi, Yi Yiing Goh, Shuangqian Yan, Jun Tao, Kai Liu, Xiaosong Li, Hongjie Zhang, Wei Huang and Xiaogang Liu. 2020. Combating the Coronavirus Pandemic: Early Detection, Medical Treatment, and a Concerted Effort by the Global Community. *Research*. [DOI](#)
477. Mackessy, Stephen P. and Anthony J. Saviola. 2016. Understanding Biological Roles of Venoms Among the Caenophidia: The Importance of Rear-Fanged Snakes. *Integrative and Comparative Biology*. [DOI](#)

478. Maeda, Eijiro, Ryota Kawamura, Takashi Suzuki and Takeo Matsumoto. 2022. Rapid fabrication of tendon-like collagen gel via simultaneous fibre alignment and intermolecular cross-linking under mechanical loading. *Biomedical Materials*. [DOI](#)
479. Maeda, Hiroaki, Kenji Takada, Naoya Fukui, Sayoko Nagashima and Hiroshi Nishihara. 2022. Conductive coordination nanosheets: Sailing to electronics, energy storage, and catalysis. *Coordination Chemistry Reviews*. [DOI](#)
480. Maeda, Ken, Yuko Tsuhako and Katsunori Tachihara. 2017. Early Development of Mudskippers. *Fishes Out of Water*, CRC Press. [URL](#)
481. Maeda, Ken and Herminie P Palla. 2015. A new species of the genus Stiphodon from Palawan, Philippines (Gobiidae: Sicydiinae). *Zootaxa*. [DOI](#)
482. Maeda, Ken and Katsunori Tachihara. 2014. Larval fish fauna of a sandy beach and an estuary on Okinawa Island, focusing on larval habitat utilization by the suborder Gobioidei. *Fisheries Science*. [DOI](#)
483. Maeda, Ken and Toshifumi Saeki. 2013. First record of a sicydiine goby, Stiphodon multisquamus (Actinopterygii: Gobioidei: Gobiidae), from Okinawa Island, Japan. *Species Diversity*. [DOI](#)
484. Maeda, Ken and Toshifumi Saeki. 2018. Revision of Species in Sicyopterus (Gobiidae: Sicydiinae) Described by de Beaufort (1912), with a First Record of Sicyopterus longifilis from Japan. *Species Diversity*. [DOI](#)
485. Maeda, Ken, Hau Duc Tran and Heok Hui Tan. 2015. Discovery of a substantial continental population of the subfamily Sicydiinae (Gobioidei: Gobiidae) from Vietnam: Taxonomic revision of the genus Stiphodon from the western South China Sea. *Raffles Bulletin of Zoology*. [DOI](#)
486. Maeda, Ken, Toshifumi Saeki, Chuya Shiznato, Ryo Koyanagi and Noriyuki Satoh. 2017. Review of Schismatogobius (Gobiidae) from Japan, with the description of a new species. *Ichthyological Research*. [DOI](#)
487. Maeda, Ken. 2014. Stiphodon niraikanaiensis, a new species of sicydiine goby from Okinawa Island (Gobiidae: Sicydiinae). *Ichthyological Research*. [DOI](#)
488. Magrans de Abril, Ildefons, Junichiro Yoshimoto and Kenji Doya. 2018. Connectivity inference from neural recording data: Challenges, mathematical bases and research directions. *Neural Networks*. [DOI](#)
489. Mahmood, Faisal, Märt Toots, Lars-Göran Öfverstedt and Ulf Skoglund. 2018. Algorithm and Architecture Optimization for 2D Discrete Fourier Transforms with Simultaneous Edge Artifact Removal. *International Journal of Reconfigurable Computing*. [DOI](#)
490. Mahmood, Faisal, Lars-Göran W Överstedt, Mart Toots, Gunnar Wilken and Ulf Skoglund. 2018. An extended field-based method for noise removal from electron tomographic reconstructions. *IEEE Access*. [DOI](#)

491. Mahmood, Faisal, Nauman Shahid, Ulf Skoglund and Pierre Vandergheynst. 2018. Adaptive graph-based total variation for tomographic reconstructions. *IEEE Signal Processing Letters*. [DOI](#)
492. Mahmud, Sarwat, Hiam Chemaitelly, Ahmed S. Alaama, Joumana G. Hermez and Laith J. Abu-Raddad. 2022. Characterizing trends and associations for hepatitis C virus antibody prevalence in the Middle East and North Africa: meta-regression analyses. *Scientific Reports*. [DOI](#)
493. Mahmud, Sarwat, Hiam Chemaitelly, Ahmed S Alaama, Joumana G Hermez and Laith Abu-Raddad. 2022. Hepatitis C virus among blood donors and general population in Middle East and North Africa: Meta-analyses and meta-regressions. *World Journal of Meta-Analysis*. [DOI](#)
494. Maigne, Alan and Matthias Wolf. 2017. Low-dose electron energy-loss spectroscopy using electron counting direct detectors. *Microscopy*. [DOI](#)
495. Maimaiti, Aili, Daniela Holzmann, Viet Giang Truong, Helmut Ritsch and Sile Nic Chormaic. 2016. Nonlinear force dependence on optically bound micro-particle arrays in the evanescent fields of fundamental and higher order microfibre modes. *Scientific Reports*. [DOI](#)
496. Makhoul, Monia, Farah Abu-Hijleh, Houssein H. Ayoub, Shaheen Seedat, Hiam Chemaitelly and Laith J. Abu-Raddad. 2022. Modeling the population-level impact of treatment on COVID-19 disease and SARS-CoV-2 transmission. *Epidemics*. [DOI](#)
497. Makhoul, Monia, Hiam Chemaitelly, Houssein H. Ayoub, Shaheen Seedat and Laith J. Abu-Raddad. 2021. Epidemiological Differences in the Impact of COVID-19 Vaccination in the United States and China. *Vaccines*. [DOI](#)
498. Makino, Kanako, Ryoko Shimizu-Hirota, Norio Goda, Masahiro Hashimoto, Ichiro Kawada, Kazuhiro Kashiwagi, Yasushi Hirota, Hiroshi Itoh, Masahiro Jinzaki, Yasushi Iwao, Minoru Ko, Shigeru Ko and Hiromasa Takaishi. 2021. Unbiased, comprehensive analysis of Japanese health checkup data reveals a protective effect of light to moderate alcohol consumption on lung function. *Scientific Reports*. [DOI](#)
499. Man, Michael K. L. , Athanasios Margiolakis, Skylar Deckoff-Jones, Takaaki Harada, E Laine Wong, Bala Murali K. Mariserla, Julien Madéo, Andrew Winchester and Keshav M. Dani. 2016. Imaging the motion of electrons across semiconductor heterojunctions. *Nature Nanotechnology*. [DOI](#)
500. Man, Michael K. L., Skylar Deckoff-Jones, Andrew Winchester, Guangsha Shi, Gautam Gupta, Aditya D. Mohite, Swastik Kar, Emmanouil Kioupakis, Saikat Talapatra and Keshav M. Dani. 2016. Protecting the properties of monolayer MoS₂ on silicon based substrates with an atomically thin buffer. *Scientific Reports*. [DOI](#)
501. Mao, Yafei and Noriyuki Satoh. 2019. A likely ancient genome duplication in the speciose reef-building coral genus, *Acropora*. *iScience*. [DOI](#)

502. Mao, Yafei. 2019. GenoDup Pipeline: a tool to detect genome duplication using the dS-based method. *PeerJ*. [DOI](#)
503. Mao, Yafei. 2019. Genomic insights into hybridization of reef corals. *Coral Reefs*. [DOI](#)
504. Margres, Mark J., Alyssa T. Bigelow, Emily Moriarty Lemmon, Alan R. Lemmon and Darin R. Rokyta. 2017. Selection to increase expression, not sequence diversity, precedes gene family origin and expansion in rattlesnake venom. *Genetics*. [DOI](#)
505. Margres, Mark J., Kenneth P. Wray, Margaret Seavy, James J. McGivern, Dragana Sanader and Darin R. Rokyta. 2015. Phenotypic integration in the feeding system of the eastern diamondback rattlesnake (*Crotalus adamanteus*). *Molecular Ecology*. [DOI](#)
506. Maruoka, Natsumi, Takashi Makino and Jotaro Urabe. 2023. RNA-seq analysis to identify genes related to resting egg production of panarctic Daphnia pulex. *BMC Genomics*. [DOI](#)
507. Maruyama, Ichiro N. 2014. Mechanisms of activation of receptor tyrosine kinases: monomers or dimers. *Cells*. [DOI](#)
508. Maruyama, Ichiro N. 2015. Activation of transmembrane cell-surface receptors via a common mechanism? The "rotation model". *Bioessays*. [DOI](#)
509. Maruyama, Ichiro N. 2017. Receptor Guanylyl Cyclases in Sensory Processing. *Frontiers in Endocrinology*. [DOI](#)
510. Masumori, Masaya, Natsuko I. Kobayashi, Keitaro Tanoi, Naoto Nihei, Satoru Miura and Tsutomu Kanasashi. 2023. Challenge to Resume Production of Mushroom Bed Logs by Potassium Fertilizer Application, In: *Agricultural Implications of Fukushima Nuclear Accident (IV): After 10 Years*, Springer Nature Singapore, Singapore. [DOI](#)
511. Masuko, Keiichi. 2023. Temporal and spatial patterns of foraging in two syntopic ant species, *Manica yessensis* and *Formica lemani*, on Mount Fuji, Japan. *Entomological Science*. [DOI](#)
512. Masuko, Keiichi. 2023. Use of trophic eggs at colony founding in the queen-foraging ant, *Manica yessensis*. *Asian Myrmecology*. [DOI](#)
513. Masuko, Keiichi. 2020. Colony composition, arthropod egg predation, and antennal structure of the ant *Discothyrea sauteri* (Hymenoptera: Formicidae). *Asian Myrmecology*. [DOI](#)
514. Matsuda, Akihisa, Takeshi Yamada, Takao Takahashi, Keiji Hirata, Takeshi Nagasaka, Kei Ishimaru, Kazuhiro Sakamoto, Keiji Koda, Toshiaki Ishikawa, Hideyuki Ishida, Kenji Matsuda, Hidekazu Kuramochi, Yoichiro Yoshida, Hiromichi Sonoda and Hiroshi Yoshida. 2022. A Trial Protocol of Precision Medicine for Patients with RAS Wild Metastatic Colorectal Cancer Using Liquid Biopsy (RAS-liquid Study): A Prospective, Multicenter Observational Study. *Journal of the Anus, Rectum and Colon*. [DOI](#)

515. Matsumae, Hiromi, Mayuko Hamada, Manabu Fujie, Yoshihito Niimura, Hiroshi Tanaka and Takeshi Kawashima. 2013. A methodical microarray design enables surveying of expression of a broader range of genes in *Ciona intestinalis*. *Gene*. [DOI](#)
516. Matsumoto, Daisuke, Hirokazu Tamamura and Wataru Nomura. 2020. A cell cycle-dependent CRISPR-Cas9 activation system based on an anti-CRISPR protein shows improved genome editing accuracy. *Communications Biology*. [DOI](#)
517. Matsumoto, Daisuke and Wataru Nomura. 2023. The history of genome editing: advances from the interface of chemistry & biology. *Chemical Communications*. [DOI](#)
518. Matsumoto, Daisuke, Kanae Kishi, Erina Matsugi, Yuto Inoue, Kiyomi Nigorikawa and Wataru Nomura. 2023. Cas9-Geminin and Cdt1-fused anti-CRISPR protein synergistically increase editing accuracy. *FEBS Letters*. [DOI](#)
519. Matsumoto, Daisuke and Wataru Nomura. 2021. Molecular Switch Engineering for Precise Genome Editing. *Bioconjugate Chemistry*. [DOI](#)
520. Matsumoto, Megumi, Haruka Ito, Ayaka Tateishi, Yasuaki Kobayashi, Kotaro Satoh, Keiji Numata and Hitoshi Miyakawa. 2023. Effects of polycaprolactone degradation products on the water flea, *Daphnia magna*: Carbodiimide additives have acute and chronic toxicity. *Journal of Applied Toxicology*. [DOI](#)
521. Matsumoto, Takazumi, Wataru Ohata and Jun Tani. 2023. Incremental Learning of Goal-Directed Actions in a Dynamic Environment by a Robot Using Active Inference. *Entropy*. [DOI](#)
522. Matsumoto, Takazumi, Wataru Ohata and Jun Tani. 2023. Incremental Learning of Goal-Directed Actions in a Dynamic Environment by a Robot Using Active Inference. *Entropy*. [DOI](#)
523. Matsumoto, Takazumi, Wataru Ohata, Fabien C. Y. Benureau and Jun Tani. 2022. Goal-Directed Planning and Goal Understanding by Extended Active Inference: Evaluation through Simulated and Physical Robot Experiments. *Entropy*. [DOI](#)
524. Matsunami, Hideyuki, Clive S. Barker, Young-Ho Yoon, Matthias Wolf and Fadel A. Samatey. 2016. Complete structure of the bacterial flagellar hook reveals extensive set of stabilizing interactions. *Nature Communications*. [DOI](#)
525. Matsunami, Hideyuki, Young-Ho Yoon, Vladimir A. Meshcheryakov, Keiichi Namba and Fadel A. Samatey. 2016. Structural flexibility of the periplasmic protein, FlgA, regulates flagellar P-ring assembly in *Salmonella enterica*. *Scientific Reports*. [DOI](#)
526. Matsuoka, Hiroshi, Takeshi Yamada, Ryo Ohta, Yoichiro Yoshida, Tatsuyuki Watanabe, Makoto Takahashi, Chihiro Kosugi, Atsuko Fukazawa, Hidekazu Kuramochi, Akihisa Matsuda, Hiromichi Sonoda, Hiroshi Yoshida, Suguru Hasegawa, Kazuhiro Sakamoto, Toshiaki Otsuka, Keiji Hirata and Keiji

- Koda. 2022. Biweekly TAS-102 and bevacizumab as third-line chemotherapy for advanced or recurrent colorectal cancer: a phase II, multicenter, clinical trial (TAS-CC4 study). *International Journal of Clinical Oncology*. [DOI](#)
527. Matsuoka, Terumi, Satoko Awazu, Michio Ogasawara, Kazuo Inaba, Noriyuki Satoh and Yasunori Sasakura. 2013. The gene encoding the thioester-containing protein, CPAMD8, is essential for construction of adult tissues in the chordate, *Ciona intestinalis*. *Genesis*. [DOI](#)
528. Matsuura, Ken, Haytham M A Mohamed, Mohieldin M M Youssef, Yutaka Yoshida and Tadashi Yamamoto. 2022. Synaptotagmin 2 is ectopically overexpressed in excitatory presynapses of a widely used CaMKII α -Cre mouse line. *iScience*. [DOI](#)
529. Matsuura, Ken, Shizuka Kobayashi, Kohtarou Konno, Miwako Yamasaki, Takahiro Horiuchi, Takao Senda, Tomoatsu Hayashi, Kiyotoshi Satoh, Fumiko Arima-Yoshida, Kei Iwasaki, Lumi Negishi, Naomi Yasui-Shimizu, Kazuyoshi Kohu, Shigenori Kawahara, Yutaka Kirino, Tsutomu Nakamura, Masahiko Watanabe, Tadashi Yamamoto, Toshiya Manabe and Tetsu Akiyama. 2022. SIPA1L1/SPAR1 interacts with the neurabin family of proteins and is involved in GPCR signaling. *The Journal of Neuroscience*. [DOI](#)
530. Meshcheryakov, Vladimir A. and Matthias Wolf. 2016. Crystal structure of the flagellar accessory protein FlaH of *Methanocaldococcus jannaschii* suggests a regulatory role in archaeal flagellum assembly. *Protein Science*. [DOI](#)
531. Meshcheryakov, Vladimir A., Satoshi Shibata, Makoto Tokoro Schreiber, Alejandro Villar-Briones, Kenneth F. Jarrell, Shin-Ichi Aizawa and Matthias Wolf. 2019. High-resolution archaellum structure reveals a conserved metal-binding site. *EMBO Reports*. [DOI](#)
532. Michelini, Fabienne and Katawoura Beltako. 2019. Asymmetry induces long-lasting energy current transients inside molecular loop circuits. *Physical Review B*. [DOI](#)
533. Michiue, Tatsuo and Kohei Tsukano. 2022. Feedback Regulation of Signaling Pathways for Precise Pre-Placodal Ectoderm Formation in Vertebrate Embryos. *Journal of Developmental Biology*. [DOI](#)
534. Michiue, Tatsuo, Takayoshi Yamamoto, Yuuri Yasuoka, Toshiyasu Goto, Takafumi Ikeda, Kei Nagura, Takuya Nakayama, Masanori Taira and Tsutomu Kinoshita. 2017. High variability of expression profiles of homeologous genes for Wnt, Hh, Notch, and Hippo signaling pathways in *Xenopus laevis*. *Developmental Biology*. [DOI](#)
535. Mii, Yusuke, Nakazato, Kenichi, Pack, Chan-Gi, Ikeda, Takafumi, Sako, Yasushi, Mochizuki, Atsushi, Taira, Masanori and Takada, Shinji. 2021. Quantitative analyses reveal extracellular dynamics of Wnt ligands in *Xenopus* embryos. *eLife*. [DOI](#)
536. Mii, Yusuke. 2020. Heparan Sulfate Clusters Regulate Distribution and Signaling of Wnt Morphogens. *Trends in Glycoscience and Glycotechnology*. [DOI](#)

537. Mii, Yusuke and Shinji Takada. 2020. Heparan Sulfate Proteoglycan Clustering in Wnt Signaling and Dispersal. *Frontiers in Cell and Developmental Biology*. [DOI](#)
538. Mikami, Tomoyuki, Takafumi Ikeda, Yusuke Muramiya, Tatsuya Hirasawa and Wataru Iwasaki. 2023. Three-dimensional anatomy of the Tully monster casts doubt on its presumed vertebrate affinities. *Palaeontology*. [DOI](#)
539. Mikheyev, Alexander S., Mandy M. Y. Tin, Jatin Arora and Thomas D. Seeley. 2015. Museum samples reveal rapid evolution by wild honey bees exposed to a novel parasite. *Nature Communications*. [DOI](#)
540. Mikheyev, Alexander S. , Carolyn S. McBride, Ulrich G. Mueller, Camille Parmesan, Melanie R. Smee, Constanti Stefanescu, Brian Wee and Michael C. Singer. 2013. Host-associated genomic differentiation in congeneric butterflies: now you see it, now you do not. *Molecular Ecology*. [DOI](#)
541. Mikheyev, Alexander S. and Mandy Man-Ying Tin. 2014. A first look at the Oxford Nanopore MinION sequencer. *Molecular Ecology Resources*. [DOI](#)
542. Miki, Takafumi, Hirokazu Hirai and Tomoyuki Takahashi. 2013. Activity-dependent neurotrophin signaling underlies developmental switch of Ca²⁺ channel subtypes mediating neurotransmitter release. *Journal of Neuroscience*. [DOI](#)
543. Miryeganeh, Matin, Masaki Yamaguchi and Hiroshi Kudoh. 2018. Synchronisation of *Arabidopsis* flowering time and wholeplant senescence in seasonal environments. *Scientific Reports*. [DOI](#)
544. Miryeganeh, Matin and Hidetoshi Saze. 2020. Epigenetic inheritance and plant evolution. *Population Ecology*. [DOI](#)
545. Mise, Takeshi, Hideyuki Matsunami, Fadel A. Samatey and Ichiro N. Maruyama. 2014. Crystallization and preliminary X-ray diffraction analysis of the periplasmic domain of the *Escherichia coli* aspartate receptor Tar and its complex with aspartate. *Acta Crystallographica Section F-Structural Biology and Crystallization Communications*. [DOI](#)
546. Mitarai, Satoshi and James C. McWilliams. 2016. Wave glider observations of surface winds and currents in the core of Typhoon Danas. *Geophysical Research Letters*. [DOI](#)
547. Mitarai, Satoshi, Hiromi Kayama Watanabe, Yuichi Nakajima, Alexandar F. Shchepetkin and James C. McWilliams. 2016. Quantifying dispersal from hydrothermal vent fields in the western Pacific Ocean. *Proceedings of the National Academy of Sciences USA*. [DOI](#)
548. Miyagi, Hiraku, Michio Hiroshima and Yasushi Sako. 2019. Double immunostaining for PIP2 and phosphorylated ERK. *protocols.io*. [DOI](#)
549. Miyagi, Tamami, Koji Ueda, Masahiro Sugimoto, Takuya Yagi, Daisuke Ito, Rio Yamazaki, Satoshi Narumi, Yuhei Hayamizu, Hiroshi Uji-I, Masahiko Kuroda and Kohsuke Kanekura. 2023. Differential toxicity and localization of

arginine-rich C9ORF72 dipeptide repeat proteins depend on de-clustering of positive charges. *iScience*. [DOI](#)

550. Miyakawa, Hitoshi and Taisen Iguchi. 2023. Establishment of a testing system for juvenoids that disturb the sex determination system of Daphnia, based on a molecular interaction of ligands and the JH receptor. *Current Opinion in Toxicology*. [DOI](#)
551. Miyakawa, Misato Okamoto and Hitoshi Miyakawa. 2023. Transformer gene regulates feminization under two complementary sex determination loci in the ant, *Vollenhovia emeryi*. *Insect Biochemistry and Molecular Biology*. [DOI](#)
552. Miyakawa, Misato O. and Alexander S. Mikheyev. 2015. Males are here to stay: fertilization enhances viable egg production by clonal queens of the little fire ant (*Wasmannia auropunctata*). *Naturwissenschaften*. [DOI](#)
553. Miyakawa, Misato O. and Alexander S. Mikheyev. 2015. QTL mapping of sex determination loci supports an ancient pathway in ants and honey bees. *PLoS Genetics*. [DOI](#)
554. Miyake, Takashi, Natsuki Aihara and Hiroaki Yokoi. 2020. Relationship between interspecific pollen transfer and pistil length in sympatric congeners, *Clerodendrum trichotomum* and *C. izuinsulare*. *Plant Species Biology*. [DOI](#)
555. Miyake, Takeshi, Natsuki Aihara, Ken Maeda, Chuya Shinzato, Ryo Koyanagi, Hirozumi Kobayashi and Kazunori Yamahira. 2019. Bloodmeal host identification with inferences to feeding habits of a fish-fed mosquito, *Aedes baisasi*. *Scientific Reports*. [DOI](#)
556. Miyamoto, Ryusuke, Jun Tabata and Yooichi Kainoh. 2021. Effects of floor pattern on flight behaviour of the smaller tea tortrix, *Adoxophyes honmai*, during orientation flight in a sex pheromone plume. *Physiological Entomology*. [DOI](#)
557. Miyao, Takahisa, Maki Miyauchi, S Thomas Kelly, Tommy W Terooatea, Tatsuya Ishikawa, Eugene Oh, Sotaro Hirai, Kenta Horie, Yuki Takakura, Houko Ohki, Mio Hayama, Yuya Maruyama, Takao Seki, Hiroto Ishii, Haruka Yabukami, Masaki Yoshida, Azusa Inoue, Asako Sakaue-Sawano, Atsushi Miyawaki, Masafumi Muratani, Aki Minoda, Nobuko Akiyama and Taishin Akiyama. 2022. Integrative analysis of scRNA-seq and scATAC-seq revealed transit-amplifying thymic epithelial cells expressing autoimmune regulator. *eLife*. [DOI](#)
558. Miyazaki, Katsuhiko, Kayoko W. Miyazaki, Gaston Sivori, Akihiro Yamanaka, Kenji F. Tanaka and Kenji Doya. 2020. Serotonergic projections to the orbitofrontal and medial prefrontal cortices differentially modulate waiting for future rewards. *Science Advances*. [DOI](#)
559. Miyazaki, Katsuhiko, Kayoko W Miyazaki, Akihiro Yamanaka, Tomoki Tokuda, Kenji F. Tanaka and Kenji Doya. 2018. Reward probability and timing uncertainty alter the effect of dorsal raphe serotonin neurons on patience. *Nature Communications*. [DOI](#)

560. Mizuno, Yota, Kazumu Kuramitsu and Yooichi Kainoh. 2022. Determining suitable observation times for testing odor preferences of a parasitoid wasp, *Cotesia kariyai*, using a four-arm olfactometer. *Entomologia Experimentalis et Applicata*. [DOI](#)
561. Mochizuki, Toshiaki and Ichiro Masai. 2014. The lens equator: A platform for molecular machinery that regulates the switch from cell proliferation to differentiation in the vertebrate lens. *Development, Growth & Differentiation*. [DOI](#)
562. Mochizuki, Toshiaki, Shohei Suzuki and Ichiro Masai. 2014. Spatial pattern of cell geometry and cell-division orientation in zebrafish lens epithelium. *Biology Open*. [DOI](#)
563. Mochizuki, Toshiaki, Yi-Jyun Luo, Hsieh-Fu Tsai, Akane Hagiwara and Ichiro Masai. 2017. Cell division and cadherin-mediated adhesion regulate lens epithelial cell movement in zebrafish. *Development*. [DOI](#)
564. Mochizuki, Toshiaki, Yutaka Kojima, Yuko Nishiwaki, Tetsuya Harakuni and Ichiro Masai. 2018. Endocytic trafficking factor VPS45 is essential for spatial regulation of lens fiber differentiation in zebrafish. *Development*. [DOI](#)
565. Modahl, Cassandra M. and Stephen P. Mackessy. 2016. Full-Length Venom Protein cDNA Sequences from Venom-Derived mRNA: Exploring Compositional Variation and Adaptive Multigene Evolution. *PLoS Neglected Tropical Diseases*. [DOI](#)
566. Modahl, Cassandra M., Seth Frietze and Stephen P. Mackessy. 2018. Transcriptome-facilitated proteomic characterization of rear-fanged snake venoms reveal abundant metalloproteinases with enhanced activity. *Journal of Proteomics*. [DOI](#)
567. Monteiro, F. M., Saad Lahlou, J. A. Albuquerque and A. M. Cabral. 2001. Influence of a multideficient diet from northeastern Brazil on resting blood pressure and baroreflex sensitivity in conscious, freely moving rats. *Brazilian Journal of Medical and Biological Research*. [DOI](#)
568. Montrose, Kristopher, Shizuka Kobayashi, Toshiya Manabe and Tadashi Yamamoto. 2019. LMTK3-KO mice display a range of behavioral abnormalities and have an impairment in GluA1 trafficking. *Neuroscience*. [DOI](#)
569. Morandin, Claire, Alexander S. Mikheyev, Jes Søe Pedersen and Heikki Helanterä. 2017. Evolutionary constraints shape caste-specific gene expression across 15 ant species. *Evolution*. [DOI](#)
570. Morandin, Claire, Mandy Man-Ying Tin, Silvia Abril, Crisanto Gomez, Luigi Pontieri, Morten Schiott, Liselotte Sundstrom, Kazuki Tsuji, Jes Søe Pedersen, Heikki Helanterä and Alexander S. Mikheyev. 2016. Comparative transcriptomics reveals the conserved building blocks involved in parallel evolution of diverse phenotypic traits in ants. *BMC Genome Biology*. [DOI](#)

571. Morandin, Claire, Volker P. Brendel, Liselotte Sundstrom, Heikki Helanterä and Alexander S Mikheyev. 2019. Changes in gene DNA methylation and expression networks accompany caste specialization and age-related physiological changes in a social insect. *Molecular Ecology*. [DOI](#)
572. Mori, Ayaka, Lisa Uehara, Yusuke Toyoda, Fumie Masuda, Saeko Soejima, Shigeaki Saitoh and Mitsuhiro Yanagida. 2023. In fission yeast, 65 non-essential mitochondrial proteins related to respiration and stress become essential in low-glucose conditions. *Royal Society Open Science*. [DOI](#)
573. Mori, Taichi, Kazutomo Kitagawa, Shogo Yoshida, Kazuhiro Hiyama, Kazuyoshi Oota and Akinori Sasaki. 2023. The first case of splenic flexure volvulus treated with reduced port surgery using single-incision laparoscopy. *International Journal of Surgery Case Reports*. [DOI](#)
574. Mori, Yasunori, Koh-ichiro Takenaka, Yugo Fukazawa and Shigeo Takamori. 2021. The endosomal Q-SNARE, Syntaxin 7, defines a rapidly replenishing synaptic vesicle recycling pool in hippocampal neurons. *Communications Biology*. [DOI](#)
575. Morishige, Ken-ichi, Nobuo Hiroe, Masa-aki Sato and Mitsuo Kawato. 2021. Common cortical areas have different neural mechanisms for covert and overt visual pursuits. *Scientific Reports*. [DOI](#)
576. Moriyama, Fumiki and Toshinori Tanaka. 2016. Chemical risk assessment at Research Institutions. *Journal of Environment and Safety*. [DOI](#)
577. Moriyama, Fumiki, Satoshi Abe, Takaaki Harada and Toshinori Tanaka. 2017. Database of regulated chemicals, pathogens, and toxins. *Journal of Environment and Safety*. [DOI](#)
578. Moroz, Natalia, Laurent Elie Guillaud, Brinda Desai and Alla S. Kostyukova. 2013. Mutations changing tropomodulin affinity for tropomyosin alters neurite formation and extension. *PeerJ*. [DOI](#)
579. Morozova, Irina, Pavel Flegontov, Alexander S. Mikheyev, Sergey Bruskin, Hosseinali Asgharian, Petr Ponomarenko, Vladimir Klyuchnikov, GaneshPrasad ArunKumar, Egor Prokhortchouk, Yuriy Gankin, Evgeny Rogaev, Yuri Nikolsky, Ancha Baranova, Eran Elhaik and Tatiana V. Tatarinova. 2016. Toward high-resolution population genomics using archaeological samples. *DNA Research*. [DOI](#)
580. Mostafa, Dina, Akiko Yanagiya, Eleni Georgiadou, Yibo Wu, Theodoros Stylianides, Guy A. Rutter, Toru Suzuki and Tadashi Yamamoto. 2020. Loss of β -cell identity and diabetic phenotype in mice caused by disruption of CNOT3-dependent mRNA deadenylation. *Communications Biology*. [DOI](#)
581. Mostafa, Dina, Akinori Takahashi, Akiko Yanagiya, Tomokazu Yamaguchi, Takaya Abe, Taku Kureha, Keiji Kuba, Yumi Kanegae, Yasuhide Furuta, Tadashi Yamamoto and Toru Suzuki. 2020. Essential functions of the CNOT7/8 catalytic subunits of the CCR4-NOT complex in mRNA regulation and cell viability. *RNA Biology*. [DOI](#)

582. Moura Pessoa, Anita de, Mariana Pires de Campos Telles, Cintia Pelegrineti Targueta, Steven Douglas Aird and Nelson Jorge Silva, Jr. 2021. Development and Cross-Amplification of Microsatellite Markers for *Micrurus surinamensis* (Elapidae). *Journal of Herpetology*. [DOI](#)
583. Mungpakdee, Sutada, Chuya Shinzato, Takeshi Takeuchi, Takeshi Kawashima, Ryo Koyanagi, Kanako Hisata, Makiko Tanaka, Hiroki Goto, Manabu Fujie, Senjie Lin, Noriyuki Satoh and Eiichi Shoguchi. 2014. Massive gene transfer and extensive RNA editing of a symbiotic dinoflagellate plastid genome. *Genome Biology and Evolution*. [DOI](#)
584. Murakami, Itsuo, Romanas Chaleckis, Tomas Pluskal, Ken Ito, Kousuke Hori, Masahiro Ebe, Mitsuhiro Yanagida and Hiroshi Kondoh. 2014. Metabolism of skin-absorbed resveratrol into its glucuronized form in mouse skin. *PLoS One*. [DOI](#)
585. Murakami, Takaaki, Nobuya Inagaki and Hiroshi Kondoh. 2022. Cellular Senescence in Diabetes Mellitus: Distinct Senotherapeutic Strategies for Adipose Tissue and Pancreatic β Cells. *Frontiers in Endocrinology*. [DOI](#)
586. Murayama, Takashi and Ichiro N. Maruyama. 2013. Decision making in *C. elegans* chemotaxis to alkaline pH: Competition between two sensory neurons, ASEL and ASH. *Communicative & Integrative Biology*. [DOI](#)
587. Murayama, Takashi and Ichiro N. Maruyama. 2015. Alkaline pH sensor molecules. *Journal of Neuroscience Research*. [DOI](#)
588. Murayama, Takashi, Jun Takayama, Mayuki Fujiwara and Ichiro N. Maruyama. 2013. Environmental Alkalinity Sensing Mediated by the Transmembrane Guanylyl Cyclase GCY-14 in *C. elegans*. *Current Biology*. [DOI](#)
589. Myung, Jihwan, Christoph Schmal, Sungho Hong, Yoshiaki Tsukizawa, Pia Rose, Yong Zhang, Michael J. Holtzman, Erik De Schutter, Hanspeter Herz, Grigory Bordyugov and Toru Takumi. 2018. The choroid plexus is an important circadian clock component. *Nature Communications*. [DOI](#)
590. Myung, Jihwan, Mei-Yi Wu, Chun-Ya Lee, Amalia Ridla Rahim, Vuong Hung Truong, Dean Wu, Hugh David Piggins and Mai-Szu Wu. 2019. The kidney clock contributes to timekeeping by the master circadian clock. *International Journal of Molecular Sciences*. [DOI](#)
591. Nabeshima, Yosuke, Tetsuji Kitano, Catalina A Parasca, Andreea Calin, Bogdan A Popescu and Masaaki Takeuchi. 2023. Prognostic value of right ventricular free-wall longitudinal strain in aortic stenosis: A systematic review and meta-analysis. *Journal of Cardiology*. [DOI](#)
592. Nabeshima, Yosuke, Karima Addetia, Federico M. Asch, Roberto M. Lang and Masaaki Takeuchi. 2023. Application of the Allometric Methods for Indexation of Left Ventricular End-Diastolic Volume to Normal Echocardiographic Data and Assessing Gender and Racial Differences. *Journal of the American Society of Echocardiography*. [DOI](#)

593. Nabeshima, Yosuke and Masaaki Takeuchi. 2022. Is Body Surface Area the Best Method to Scale Cardiac Size? *Journal of the American Society of Echocardiography*. [DOI](#)
594. Nabeshima, Yosuke, Tetsuji Kitano and Masaaki Takeuchi. 2021. Prognostic Value of the Three-Dimensional Right Ventricular Ejection Fraction in Patients With Asymptomatic Aortic Stenosis. *Frontiers in Cardiovascular Medicine*. [DOI](#)
595. Nabeshima, Yosuke, Kitano, Tetsuji and Takeuchi, Masaaki. 2021. Reliability of left atrial strain reference values: A 3D echocardiographic study. *PLOS ONE*. [DOI](#)
596. Nabeshima, Yosuke, Yoshihiro Seo and Masaaki Takeuchi. 2020. A review of current trends in three-dimensional analysis of left ventricular myocardial strain. *Cardiovascular Ultrasound*. [DOI](#)
597. Nakajima, Tadaaki, Tomomi Sato and Taisen Iguchi. 2022. Genetic, Epigenetic, and Anatomical Factors in Agenesis and Development of Female Reproductive Tract, 17, In: *Genomic and Epigenomic Biomarkers of Toxicology and Disease: Clinical and Therapeutic Actions*, John Wiley & Sons Ltd. [DOI](#)
598. Nakajima, Takahiro, Takayuki Miyoshi, Tsutomu Hashimoto and Ziqiu Xue. 2022. Case study on amplitude and phase response comparison between DAS and 3C geophone VSP surveys at a test site in Japan. *Frontiers in Earth Science*. [DOI](#)
599. Nakajima, Yuichi, Po-Shun Chuang, Nobuo Ueda and Satoshi Mitarai. 2018. First evidence of asexual recruitment of *Pocillopora acuta* in Okinawa Island using genotypic identification. *PeerJ*. [DOI](#)
600. Nakajima, Yuichi, Akira Nishikawa, Akira Iguchi, Tomofumi Nagata, Daisuke Uyeno, Kazuhiko Sakai and Satoshi Mitarai. 2017. Elucidating the multiple genetic lineages and population genetic structure of the brooding coral *Seriatopora* (Scleractinia: Pocilloporidae) in the Ryukyu Archipelago. *Coral Reefs*. [DOI](#)
601. Nakajima, Yuichi, Chuya Shinzato, Mariia Khalturina, Hiromi Kayama Watanabe, Fumio Inagaki, Noriyuki Satoh and Satoshi Mitarai. 2014. Cross-species, amplifiable microsatellite markers for neoverrucid barnacles from deep-sea hydrothermal vents developed using next-generation sequencing. *International Journal of Molecular Sciences*. [DOI](#)
602. Nakajima, Yuichi, Chuya Shinzato, Mariia Khalturina, Masako Nakamura, Hiromi Kayama Watanabe, Noriyuki Satoh and Satoshi Mitarai. 2016. The mitochondrial genome sequence of a deep-sea, hydrothermal vent limpet, *Lepetodrilus nux*, presents a novel vetigastropod gene arrangement. *Marine Genomics*. [DOI](#)
603. Nakajima, Yuichi, Chuya Shinzato, Mariia Khalturina, Masako Nakamura, Hiromi Kayama Watanabe, Satoshi Nakagawa, Noriyuki Satoh and Satoshi Mitarai. 2017. Isolation and characterization of novel polymorphic microsatellite loci

- for the deep-sea hydrothermal vent limpet, *Lepetodrilus nux*, and the vent-associated squat lobster, *Shinkaia crosnieri*. *Marine Biodiversity*. [DOI](#)
604. Nakajima, Yuichi, Chuya Shinzato, Noriyuki Satoh and Satoshi Mitarai. 2015. Novel Polymorphic Microsatellite Markers Reveal Genetic Differentiation between Two Sympatric Types of *Galaxea fascicularis*. *PLoS One*. [DOI](#)
605. Nakajima, Yuichi, Patricia H. Wepfer, Shohei Suzuki, Yuna Zayasu, Chuya Shinzato, Noriyuki Satoh and Satoshi Mitarai. 2017. Microsatellite markers for multiple *Pocillopora* genetic lineages offer new insights about coral populations. *Scientific Reports*. [DOI](#)
606. Nakajima, Yuichi, Yuna Zayasu, Chuya Shinzato, Noriyuki Satoh and Satoshi Mitarai. 2016. Genetic differentiation and connectivity of morphological types of the broadcast-spawning coral *Galaxea fascicularis* in the Nansei Islands, Japan. *Ecology and Evolution*. [DOI](#)
607. Nakajima, Yuichi, Yu Matsuki, Chunlan Lian, Miguel D. Fortes, Wilfredo H. Uy, Wilfredo L. Campos, Masahiro Nakaoka and Kazuo Nadaoka. 2014. The Kuroshio Current influences genetic diversity and population genetic structure of a tropical seagrass, *Enhalus acoroides*. *Molecular Ecology*. [DOI](#)
608. Nakamura, Masako, Chong Chen and Satoshi Mitarai. 2015. Insights into life-history traits of *Munidopsis* spp. (Anomura: Munidopsidae) from hydrothermal vent fields in the Okinawa Trough, in comparison with the existing data. *Deep Sea Research Part I: Oceanographic Research Papers*. [DOI](#)
609. Nakamura, Masako, Yoshimi Higa, Naoki H. Kumagai and Ken Okaji. 2016. Using Long-Term Removal Data to Manage a Crown-of-Thorns Starfish Population. *Diversity*. [DOI](#)
610. Nakamura, Masako, Naoki H. Kumagai, Kazuhiko Sakai, Ken Okaji, Kei Ogasawara and Satoshi Mitarai. 2015. Spatial variability in recruitment of acroporid corals and predatory starfish along the Onna coast, Okinawa, Japan. *Marine Ecology Progress Series*. [DOI](#)
611. Nakamura, Masako, Tomokazu Murakami, Hiroyoshi Kohno, Akira Mizutani and Shinya Shimokawa. 2022. Rapid recovery of coral communities from a mass bleaching event in the summer of 2016, observed in Amitori Bay, Iriomote Island, Japan. *Marine Biology*. [DOI](#)
612. Nakamura, Masako, Yuichi Nakajima, Hiromi Kayama Watanabe, Takenori Sasaki, Hiroyuki Yamamoto and Satoshi Mitarai. 2018. Spatial variability in recruitment of benthos near drilling sites in the Iheya North hydrothermal field in the Okinawa Trough. *Deep-Sea Research Part I-Oceanographic Research Papers*. [DOI](#)
613. Nakamura, Masako, Keiichi Nomura, Isao Hirabayashi, Yuichi Nakajima, Takumi Nakajima, Satoshi Mitarai and Hiroyuki Yokochi. 2021. Management of scleractinian coral assemblages in temperate non-reefal areas: insights from a long-term monitoring study in Kushimoto, Japan (33°N). *Marine Biology*. [DOI](#)

614. Nakamura, Masako, Ken Okaji, Yoshimi Higa, Eiji Yamakawa and Satoshi Mitarai. 2014. Spatial and temporal population dynamics of the crown-of-thorns starfish, *Acanthaster planci*, over a 24-year period along the central west coast of Okinawa Island, Japan. *Marine Biology*. [DOI](#)
615. Nakamura, Masako, Hiromi Kayama Watanabe, Takenori Sasaki, Junichiro Ishibashi, Katsunori Fujikura and Satoshi Mitarai. 2014. Life history traits of *Lepetodrilus nux* in the Okinawa Trough, based upon gametogenesis, shell size, and genetic variability. *Marine Ecology Progress Series*. [DOI](#)
616. Nakamura, Masako and Hiroyuki Yokochi. 2020. Updated northern distributional limits of Acropora spp. along the Kuroshio Current. *Galaxea, Journal of Coral Reef Studies*. [DOI](#)
617. Nakamura, Naokazu, Yasuyuki Arai, Toshio Kitawaki, Tomoyasu Jo, Chisaki Mizumoto, Junya Kanda, Momoko Nishikori, Kouhei Yamashita and Akifumi Takaori-Kondo. 2022. Decreased serum phosphate levels are a useful biomarker to predict occurrence and severity of cytokine release syndrome in chimeric antigen receptor T-cell therapy. *British Journal of Haematology*. [DOI](#)
618. Nakamura, Yukihiko, Harumi Harada, Naomi Kamasawa, Ko Matsui, Jason S. Rothman, Ryuichi Shigemoto, R. Angus Silver, David A. DiGregorio and Tomoyuki Takahashi. 2015. Nanoscale distribution of presynaptic Ca²⁺ channels and its impact on vesicular release during development. *Neuron*. [DOI](#)
619. Nakanishi, Setsuko. 2016. A spider toxin, ω -agatoxin IVA, binds to fixed as well as living tissues: cytochemical visualization of P/Q-type calcium channels. *Microscopy*. [DOI](#)
620. Nakano, Masahiro, Yukihiko Sugita, Noriyuki Kodera, Sho Miyamoto, Yukiko Muramoto, Matthias Wolf and Takeshi Noda. 2021. Ultrastructure of influenza virus ribonucleoprotein complexes during viral RNA synthesis. *Communications Biology*. [DOI](#)
621. Nakano, Takashi, Junichiro Yoshimoto and Kenji Doya. 2013. A model-based prediction of the calcium responses in the striatal synaptic spines depending on the timing of cortical and dopaminergic inputs and post-synaptic spikes. *Frontiers in Computational Neuroscience*. [DOI](#)
622. Nakano, Takashi, Makoto Otsuka, Junichiro Yoshimoto and Kenji Doya. 2015. A spiking neural network model of model-free reinforcement learning with high-dimensional sensory input and perceptual ambiguity. *PLoS One*. [DOI](#)
623. Nakashima, Kazuki, Toyoshi Yanagihara, Sae Ishida, Naruhiko Ogo, Ayaka Egashira, Tatsuma Asoh and Takashige Maeyama. 2021. Three cases of sequential treatment with nintedanib following pulsed-dose corticosteroids for acute exacerbation of interstitial lung diseases. *Respiratory Medicine Case Reports*. [DOI](#)

624. Nakashima, Kazuki, Naoya Nishimura, Toyoshi Yanagihara, Ayaka Egashira, Naruhiko Ogo, Tatsuma Asoh, Seiji Yoshizawa and Takashige Maeyama. 2021. A fatal case of diffuse alveolar hemorrhage complicated by rheumatoid arthritis. *Respiratory Medicine Case Reports*. [DOI](#)
625. Nakashima, Keisuke. 2018. A comparative approach to decipher intestinal animal-microbe associations. *Microbial Cell*. [DOI](#)
626. Nakashima, Keisuke, Satoshi Kimura, Yu Ogawa, Soichi Watanabe, Satoshi Soma, Toyoji Kaneko, Lixy Yamada, Hitoshi Sawada, Che-Huang Tung, Tsai-Ming Lu, Jr-Kai Yu, Alejandro Villar-Briones, Sakura Kikuchi and Noriyuki Satoh. 2018. Chitin-based barrier immunity and its loss predated mucus-colonization by indigenous gut microbiota. *Nature Communications*. [DOI](#)
627. Nakazawa, Norihiko, Kenichi Sajiki, Xingya Xu, Alejandro Villar-Briones, Orie Arakawa and Mitsuhiro Yanagida. 2015. RNA pol II transcript abundance controls condensin accumulation at mitotically up-regulated and heat-shock-inducible genes in fission yeast. *Genes to Cells*. [DOI](#)
628. Nakazawa, Norihiko, Orie Arakawa and Mitsuhiro Yanagida. 2019. Condensin locates at transcriptional termination sites in mitosis, possibly releasing mitotic transcripts. *Open Biology*. [DOI](#)
629. Nakazawa, Norihiko, Orie Arakawa, Masahiro Ebe and Mitsuhiro Yanagida. 2019. Casein kinase II-dependent phosphorylation of DNA topoisomerase II suppresses the effect of a catalytic topo II inhibitor, ICRF-193, in fission yeast. *Journal of Biological Chemistry*. [DOI](#)
630. Nakazawa, Norihiko, Rajesh Mehrotra, Orie Arakawa and Mitsuhiro Yanagida. 2016. ICRF-193, an anticancer topoisomerase II inhibitor, induces arched telophase spindles that snap, leading to a ploidy increase in fission yeast. *Genes to Cells*. [DOI](#)
631. Nakazawa, Norihiko, Takayuki Teruya, Kenichi Sajiki, Kazuki Kumada, Alejandro Villar-Briones, Orie Arakawa, Junko Takada, Shigeaki Saitoh and Mitsuhiro Yanagida. 2018. The putative ceramide-conjugation protein Cwh43 regulates G0 quiescence, nutrient metabolism and lipid homeostasis in fission yeast. *Journal of Cell Science*. [DOI](#)
632. Nakazawa, Norihiko, Xingya Xu, Orie Arakawa and Mitsuhiro Yanagida. 2019. Coordinated roles of the putative ceramide-conjugation protein, Cwh43, and a Mn(2+)-transporting, P-Type ATPase, Pmr1, in fission yeast. *G3: Genes | Genomes | Genetics*. [DOI](#)
633. Namisaki, Hidehiro, Yosuke Nabeshima, Tetsuji Kitano, Kyoko Otani and Massaaki Takeuchi. 2020. Prognostic Value of the Right Ventricular Ejection Fraction, Assessed by Fully Automated Three-Dimensional Echocardiography: A Direct Comparison of Analyses Using Right Ventricular-Focused Views versus Apical Four-Chamber Views. *Journal of the American Society of Echocardiography*. [DOI](#)

634. Nedelescu, Hermina and Mohamed Abdelhack. 2013. Comparative morphology of dendritic arbors in populations of Purkinje cells in mouse sulcus and apex. *Neural Plasticity*. [DOI](#)
635. Nerome, Kuniaki, Taku Ito-Kureha, Tiziana Paganini, Takao Fukuda, Yasuhiro Igarashi, Hiroto Ashitomi, Shinya Ikematsu and Tadashi Yamamoto. 2020. Potent and broad anticancer activities of leaf extracts from Melia azedarach L. of the subtropical Okinawa islands. *American Journal of Cancer Research*. [URL](#)
636. Nikiforov, Gueorgui O. 2016. Molecular p doping of 4,4 '-Bis(N-carbazolyl)-1,1 '-biphenyl and n doping of 1,3,5-tris(N-phenylbenzimidazol-2-yl) benzene. *Organic Electronics*. [DOI](#)
637. Nikulin, Vsevolod and Jun Tani. 2022. Initialization of latent space coordinates via random linear projections for learning robotic sensory-motor sequences. *Frontiers in Neurorobotics*. [DOI](#)
638. Nishi, Katsuyuki, Akiomi Nagasaka, Taro Sakamaki, Kay Sadaoka and Masanori Miyanishi. 2023. Isolation Method for Long-Term and Short-Term Hematopoietic Stem Cells. *Journal of Visualized Experiments*. [DOI](#)
639. Nishijima, Saori and Ichiro N. Maruyama. 2017. Appetitive olfactory learning and long-term associative memory in *Caenorhabditis elegans*. *Frontiers in Behavioral Neuroscience*. [DOI](#)
640. Nishimura, Naohiro, Zesen Lin, Kazuya Jinnai, Ryota Kabe and Chihaya Adachi. 2020. Many Exciplex Systems Exhibit Organic Long-Persistent Luminescence. *Advanced Functional Materials*. [DOI](#)
641. Nishioka, Shinta, Yoji Kokura, Ryo Momosaki and Yutaka Taketani. 2024. Measures for Identifying Malnutrition in Geriatric Rehabilitation: A Scoping Review. *Nutrients*. [DOI](#)
642. Nishioka, Shinta. 2023. Current Understanding of Sarcopenia and Malnutrition in Geriatric Rehabilitation. *Nutrients*. [DOI](#)
643. Nishioka, Shinta and Hidetaka Wakabayashi. 2022. Interaction between malnutrition and physical disability in older adults: is there a malnutrition-disability cycle? *Nutrition Reviews*. [DOI](#)
644. Nishitsuji, K., T. Nagata, H. Narisoko, M. Kanai, K. Hisata, C. Shinzato and N. Satoh. 2023. An environmental DNA metabarcoding survey reveals generic-level occurrence of scleractinian corals at reef slopes of Okinawa Island. *Proc Biol Sci.* 10.1098/rspb.2023.0026
645. Nishitsuji, Koki, Tomofumi Nagata, Haruhi Narisoko, Megumi Kanai, Kanako Hisata, Chuya Shinzato and Noriyuki Satoh. 2023. An environmental DNA metabarcoding survey reveals generic-level occurrence of scleractinian corals at reef slopes of Okinawa Island. *Proceedings of the Royal Society B: Biological Sciences*. [DOI](#)

646. Nishitsuji, Koki, Yoshie Nishitsuji, Yoshitaka Yonashiro and Noriyuki Satoh. 2022. Development of DNA markers that distinguish male and female haploid germlings of the brown alga, *Cladosiphon okamuranus*. *Phycological Research*. [DOI](#)
647. Nishitsuji, Koki, Asuka Arimoto, Kenji Iwai, Yusuke Sudo, Kanako Hisata, Manabu Fujie, Nana Arakaki, Tetsuo Kushiro, Teruko Konishi, Chuya Shinzato, Noriyuki Satoh and Eiichi Shoguchi. 2016. A draft genome of the brown alga, *Cladosiphon okamuranus*, S-strain: a platform for future studies of 'mozuku' biology. *DNA Research*. [DOI](#)
648. Nishitsuji, Koki, Asuka Arimoto, Yoshimi Higa, Munekazu Mekaru, Mayumi Kawamitsu, Noriyuki Satoh and Eiichi Shoguchi. 2019. Draft genome of the brown alga, *Nemacystus decipiens*, Onna-1 strain: Fusion of genes involved in the sulfated fucan biosynthesis pathway. *Scientific Reports*. [DOI](#)
649. Nishitsuji, Koki, Asuka Arimoto, Yoshitaka Yonashiro, Kanako Hisata, Manabu Fujie, Mayumi Kawamitsu, Eiichi Shoguchi and Noriyuki Satoh. 2020. Comparative genomics of four strains of the edible brown alga, *Cladosiphon okamuranus*. *BMC Genomics*. [DOI](#)
650. Nishiwaki, Yuko and Ichiro Masai. 2020. β -SNAP activity in the outer segment growth period is critical for preventing BNip1-dependent apoptosis in zebrafish photoreceptors. *Scientific Reports*. [DOI](#)
651. Noda, Takeshi, Noriyuki Satoh and Takahiro Asami. 2019. Heterochirality results from reduction of maternal diaph expression in a terrestrial pulmonate snail. *Zoological Letters*. [DOI](#)
652. Novriyandi Hanif, Fabians Faisal Dinelsa, Henny Dwi Yanti, Anggia Murni and Junichi Tanaka. 2022. Stereochemical determination of NMR chemical shifts in marine terpenoids, antheliol and sangiangol B, using DFT calculations. *Natural Product Research*. [DOI](#)
653. Novriyandi Hanif, Dyah Iswantini, Yusuke Hioki, Anggia Murni, Masaki Kita and Junichi Tanaka. 2021. Flavokawains, Plant-derived Chalcones, Inhibit Differentiation of Murine Pre-adipocytes. *Chemistry Letters*. [DOI](#)
654. Novriyandi Hanif, Trianda A. Tyas, Lestari Hidayati, Fabians F. Dinelsa, Dian Provita, Nyimas R. Kinnary, Fauzi M. Prasetiawan, Gibral A. Khalik, Zaki Mubarok, Dudi Tohir, Andi Setiawan, Muhamad Farid, Viqqi Kurnianda, Anggia Murni, Nicole J. de Voogd and Junichi Tanaka. 2021. Oxy-Polybrominated Diphenyl Ethers from the Indonesian Marine Sponge, Lamellodysidea herbacea: X-ray, SAR, and Computational Studies. *Molecules*. [DOI](#)
655. Novriyandi Hanif, Anggia Murni and Junichi Tanaka. 2020. Sangiangols A and B, Two New Dolabellanes from an Indonesian Marine Soft Coral, *Anthelia* sp. *Molecules*. [DOI](#)
656. Nozawa, Osamu, Muneaki Miyata, Hajime Shiotani, Takeshi Kameyama, Ryouhei Komaki, Tatsuhiro Shimizu, Toshihiko Kuriu, Yutaro Kashiwagi, Yuka Sato,

- Michinori Koebisu, Atsu Aiba, Shigeo Okabe, Kiyo hito Mizutani and Yoshimi Takai. 2022. A novel Necl-2/3-mediated mechanism for tripartite synapse formation. *Development*. [DOI](#)
657. Oba, Takuya, Takeshi Yamada, Akihisa Matsuda, Makoto Otani, Shinya Matsuda, Ryo Ohta, Hiroshi Yoshida, Norihiro Sato and Keiji Hirata. 2021. Patient backgrounds and short-term outcomes of complicated appendicitis differ from those of uncomplicated appendicitis. *Annals of Gastroenterological Surgery*. [DOI](#)
658. Oda-Ishii, Izumi, Deli Yu and Yutaka Satou. 2021. Two distinct motifs for Zic-r.a drive specific gene expression in two cell lineages. *Development*. [DOI](#)
659. Ogo, Naruhiko, Toyoshi Yanagihara, Ryota Nishimura, Hiroshi Mannoji, Reiko Yoneda, Masayasu Hayashi, Ayaka Egashira, Tatsuma Asoh and Takashige Maeyama. 2021. Pulmonary amyloidosis complicated with pulmonary hemosiderosis, diagnosed with bronchoscopy. *Respiratory Medicine Case Reports*. [DOI](#)
660. Ohata, Ryu, Tomohisa Asai, Shu Imaizumi and Hiroshi Imamizu. 2022. I Hear My Voice; Therefore I Spoke: The Sense of Agency Over Speech Is Enhanced by Hearing One's Own Voice. *Psychological Science*. [DOI](#)
661. Ohata, Wataru and Jun Tani. 2020. Investigation of the Sense of Agency in Social Cognition, Based on Frameworks of Predictive Coding and Active Inference: A Simulation Study on Multimodal Imitative Interaction. *Frontiers in Neurorobotics*. [DOI](#)
662. Ohgushi, Migiwa, Naruhiko Ogo, Toyoshi Yanagihara, Yukiko Harada, Kosuke Sumida, Ayaka Egashira, Tatsuma Asoh, Takashige Maeyama and Seiji Yoshizawa. 2021. Tacrolimus Treatment for Post-COVID-19 Interstitial Lung Disease. *Internal Medicine*. [DOI](#)
663. Ohmann, Robin, Luis K. Ono, Hui-Seon Kim, Haiping Lin, Michael V. Lee, Youyong Li, Nam-Gyu Park and Yabing Qi. 2015. Real-space imaging of the atomic structure of organic-inorganic perovskite. *Journal of the American Chemical Society*. [DOI](#)
664. Ohno, Shin-ichiro, Keiki Oikawa, Toshiaki Tsurui, Yuichirou Harada, Kana Ono, Mizumo Tateishi, Aashiq Mirza, Masakatsu Takanashi, Kosuke Kanekura, Kumiko Nagase, Yoshihisa Shimada, Yujin Kudo, Norihiko Ikeda, Takahiro Ochiya, Xiaozhong Wang and Masahiko Kuroda. 2022. Nuclear microRNAs release paused Pol II via the DDX21-CDK9 complex. *Cell Reports*. [DOI](#)
665. Ohsaki, Beniha, Takaaki Shingyouchi, Yukie Sato and Yooichi Kainoh. 2020. Host recognition by the egg-larval parasitoid Chelonus inanitus: effects of physical and chemical cues. *Entomologia Experimentalis et Applicata*. [DOI](#)
666. Ohta, Ryo, Takeshi Yamada, Masato Nakamura, Masanobu Enomoto, Makoto Takahashi, Hajime Yokomizo, Chihiro Kosugi, Kei Ishimaru, Hiromichi Sonoda, Hidekazu Kuramochi, Yoichiro Yoshida, Shinji Furuya, Keiji Hirata, Hiroshi Yoshida, Keijiro Nozawa, Yojiro Hashiguchi, Hideyuki Ishida, Keiji

- Koda, Kenji Katsumata and Kazuhiro Sakamoto. 2023. Analysis of Circulating DNA to Assess Prognoses for Metastatic Colorectal Cancer Patients Treated with Regorafenib Dose-Escalation Therapy: A Retrospective, Exploratory Analysis of the RECC Trial. *Digestion*. [DOI](#)
667. Ohta, Ryo, Takeshi Yamada, Hiromichi Sonoda, Akihisa Matsuda, Seiichi Shinji, Goro Takahashi, Takuma Iwai, Kohki Takeda, Koji Ueda, Sho Kuriyama, Toshimitsu Miyasaka, Yasuyuki Yokoyama, Keisuke Hara and Hiroshi Yoshida. 2021. Detection of KRAS mutations in circulating tumour DNA from plasma and urine of patients with colorectal cancer. *European Journal of Surgical Oncology*. [DOI](#)
668. Oka, Taiki, Takatomi Kubo, Nao Kobayashi, Fumiya Nakai, Yuka Miyake, Toshitaka Hamamura, Masaru Honjo, Hiroyuki Toda, Shuken Boku, Tetsufumi Kanazawa, Masanori Nagamine, Aurelio Cortese, Minoru Takebayashi, Mitsuo Kawato and Toshinori Chiba. 2021. Multiple time measurements of multidimensional psychiatric states from immediately before the COVID-19 pandemic to one year later: a longitudinal online survey of the Japanese population. *Translational Psychiatry*. [DOI](#)
669. Oka, Taiki, Toshitaka Hamamura, Yuka Miyake, Nao Kobayashi, Masaru Honjo, Mitsuo Kawato, Takatomi Kubo and Toshinori Chiba. 2021. Prevalence and risk factors of internet gaming disorder and problematic internet use before and during the COVID-19 pandemic: A large online survey of Japanese adults. *Journal of Psychiatric Research*. [DOI](#)
670. Okada, Kazunori and Shinji Takada. 2020. The second pharyngeal pouch is generated by dynamic remodeling of endodermal epithelium in zebrafish. *Development*. [DOI](#)
671. Okada, Keita, Kanae Aoki, Teruyuki Tabei, Kota Sugio, Katsunori Imai, Yuki Bonkohara and Yusuke Kamachi. 2022. Key sequence features of CRISPR RNA for dual-guide CRISPR-Cas9 ribonucleoprotein complexes assembled with wild-type or HiFi Cas9. *Nucleic Acids Research*. [DOI](#)
672. Okada, Yasukazu, Yutaka Watanabe, Mandy Man-Ying Tin, Kazuki Tsuji and Akexander S. Mikheyev. 2016. Social dominance alters nutrition-related gene expression immediately: transcriptomic evidence from a monomorphic queenless ant. *Molecular Ecology*. [DOI](#)
673. Okamoto, Misato, Kasuya Kobayashi, Eisuke Hasegawa and Kyohsuke Ohkawara. 2014. Sexual and asexual reproduction of queens in a myrmicine ant, Vollenhovia emeryi (Hymenoptera: Formicidae). *Myrmecological News*. [DOI](#)
674. Okita, Yuriko, Toshihiro Sadamatsu, Toshio Kawahara and Kazuyoshi Gamada. Volume and mobility of the infrapatellar fat pad during quasi-static knee extension after manual therapy in patients with knee osteoarthritis: a randomized control trial study. *Journal of Physical Therapy Science*. [DOI](#)
675. Okita, Yuriko, Hiroyuki Oba, Ryohwi Miura, Masashi Morimoto and Kazuyoshi Gamada. 2020. Movement and volume of infrapatellar fat pad and knee

- kinematics during quasi-static knee extension at 30 and 0° flexion in young healthy individuals. *Knee*. [DOI](#)
676. Okuyama, Noriyuki, Ai Koizumi, Nao Oka, Yuya Takeshige, Koki Yoshinaga, Tomoko Hashimoto and Koichi Kyono. 2023. Pregnancy and Delivery of a Healthy Baby Boy from a Patient Embryo Cryopreserved for Over 18 Years: A Case Report. *Fertility & Reproduction*. [DOI](#)
677. Olamendi-Portugal, Timoteo, Cesar V. F. Batista, Martha Pedraza-Escalona, Rita Restano-Cassulini, Fernando Z. Zamudio, Melisa Benard-Valle, Adolfo Rafael de Roodt and Lourival D. Possani. 2018. New insights into the proteomic characterization of the coral snake *Micrurus pyrrhocryptus* venom. *Toxicon*. [DOI](#)
678. Oliveira, Leonardo de, Marcus Augusto Buononato and Hussam Zaher. 2020. The cephalic glands and venom apparatus of coralsnakes, Chapter 12, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA. ISBN: 978-0-9720154-6-2.
679. Ono, Luis K., Zafer Hawash, Emilio José Juarez-Perez, Longbin Qiu, Yan Jiang and Yabing Qi. 2018. Photodecomposition and thermal decomposition in methylammonium halide lead perovskites and inferred design principles to increase photovoltaic device stability. *Journal of Materials Chemistry A*. [DOI](#)
680. Orakov, Askarbek, Nazgul Sakenova, Anatoli Sorokin, and Igor Goryanin. 2017. ASAR: visual analysis of metagenomes in R. *Bioinformatics*. [DOI](#)
681. Osabe, Kenji, Yoshiko Harukawa, Saori Miura and Hidetoshi Saze. 2016. Epigenetic regulation of intronic transgenes in *Arabidopsis*. *Scientific Reports*. [DOI](#)
682. Osaki, Akina, Marie Aoyama, Masashi Mita, Kenji Hamase, Masato Yasui and Jumpei Sasabe. 2023. Endogenous d-serine exists in the mammalian brain independent of synthesis by serine racemase. *Biochemical and Biophysical Research Communications*. [DOI](#)
683. Otani, Kyoko, Yukie Higa, Tetsuji Kitano, Yosuke Nabeshima and Masaaki Takeuchi. 2020. Prediction of cardiac events using fully automated GLS and BNP titers in patients with known or suspected heart failure. *PLoS One*. [DOI](#)
684. Otsuki, Kanoko, Mayuko Hamada, Noriyuki Koizumi, Tatsuya Sakamoto and Kazuyoshi Nakata. 2022. Quantitative PCR method to detect an extremely endangered bitterling fish (*Rhodeus atremius suigensis*) using environmental DNA. *Landscape and Ecological Engineering*. [DOI](#)
685. Ou, Xiangyu, Xian Qin, Bolong Huang, Jie Zan, Qinxia Wu, Zhongzhu Hong, Lili Xie, Hongyu Bian, Zhigao Yi, Xiaofeng Chen, Yiming Wu, Xiaorong Song, Juan Li, Qiushui Chen, Huanghao Yang and Xiaogang Liu. 2021. High-resolution X-ray luminescence extension imaging. *Nature*. [DOI](#)

686. Pei, Peng, Ying Chen, Caixia Sun, Yong Fan, Yanmin Yang, Xuan Liu, Lingfei Lu, Mengyao Zhao, Hongxin Zhang, Dongyuan Zhao, Xiaogang Liu and Fan Zhang. 2021. X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. *Nature Nanotechnology*. [DOI](#)
687. Pérez-Peinado, Clara, Sira Defaus and David Andreu. 2020. Hitchhiking with Nature: Snake Venom Peptides to Fight Cancer and Superbugs. *Toxins (Basel)*. [DOI](#)
688. Pham, An T., Ryohei Seto, Johannes Schönke, Daniel Y. Joh, Ashutosh Chilkoti, Eliot Fried and Benjamin B. Yellen. 2016. Crystallization kinetics of binary colloidal monolayers. *Soft Matter*. [DOI](#)
689. Pluskal, Tomas and Mitsuhiro Yanagida. 2016. Measurement of metabolome samples using liquid chromatography-mass spectrometry, data acquisition, and processing. *Cold Spring Harbor Protocols*. [DOI](#)
690. Pluskal, Tomas and Mitsuhiro Yanagida. 2016. Metabolomic analysis of *Schizosaccharomyces pombe*: Sample preparation, detection, and data interpretation. *Cold Spring Harbor Protocols*. [DOI](#)
691. Pluskal, Tomas, Kenichi Sajiki, Joanne Becker, Kojiro Takeda and Mitsuhiro Yanagida. 2016. Diverse fission yeast genes required for responding to oxidative and metal stress: Comparative analysis of glutathione-related and other defense gene deletions. *Genes to Cells*. [DOI](#)
692. Pluskal, Tomas, Masaru Ueno and Mitsuhiro Yanagida. 2014. Genetic and metabolomic dissection of the ergothioneine and selenoneine biosynthetic pathway in the fission yeast, *S. pombe*, and construction of an overproduction system. *PLoS One*. [DOI](#)
693. Pluskal, Tomas, Takahiro Nakamura and Mitsuhiro Yanagida. 2016. Preparation of intracellular metabolite extracts from liquid *Schizosaccharomyces pombe* cultures. *Cold Spring Harbor Protocols*. [DOI](#)
694. Poerio, Giulia L., Manami Ueda and Hirohito M. Kondo. 2022. Similar but different: High prevalence of synesthesia in autonomous sensory meridian response (ASMR). *Frontiers in Psychology*. [DOI](#)
695. Pratiwi, Hilda Mardiana, Toshiyuki Takagi, Suhaila Rusni and Koji Inoue. 2023. Euryhaline fish larvae ingest more microplastic particles in seawater than in freshwater. *Scientific Reports*. [DOI](#)
696. Pu, Rui, Qiuqiang Zhan, Xingyun Peng, Siying Liu, Xin Guo, Liangliang Liang, Xian Qin, Ziqing Winston Zhao and Xiaogang Liu. 2022. Super-resolution microscopy enabled by high-efficiency surface-migration emission depletion. *Nature Communications*. [DOI](#)
697. Qassim, Suelen H., Mohammad R. Hasan, Patrick Tang, Hiam Chemaitelly, Houssein H. Ayoub, Hadi M. Yassine, Hebah A. Al-Khatib, Maria K. Smatti, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al-Kuwari, Abdullatif Al-Khal, Peter Coyle, Imtiaz Gillani, Anvar Hassan Kaleekal,

- Riyazuddin Mohammad Shaik, Ali Nizar Latif, Einas Al-Kuwari, Andrew Jeremienko, Adeel A. Butt, Roberto Bertolini, Hamad Eid Al-Romaihi, Mohamed H. Al-Thani and Laith J. Abu-Raddad. 2022. Effects of SARS-CoV-2 Alpha, Beta, and Delta variants, age, vaccination, and prior infection on infectiousness of SARS-CoV-2 infections. *Frontiers in Immunology*. [DOI](#)
698. Qassim, Suelen H, Hiam Chemaitelly, Houssein H Ayoub, Sawsan AlMukdad, Patrick Tang, Mohammad R Hasan, Hadi M Yassine, Hebah A Al-Khatib, Maria K Smatti, Hanan F Abdul-Rahim, Gheyath K Nasrallah, Mohamed Ghaith Al-Kuwari, Abdullatif Al-Khal, Peter Coyle, Anvar Hassan Kaleekal, Riyazuddin Mohammad Shaik, Ali Nizar Latif, Einas Al-Kuwari, Andrew Jeremienko, Adeel A Butt, Roberto Bertolini, Hamad Eid Al-Romaihi, Mohamed H Al-Thani and Laith J Abu-Raddad. 2022. Effects of BA.1/BA.2 subvariant, vaccination, and prior infection on infectiousness of SARS-CoV-2 omicron infections. *Journal of Travel Medicine*. [DOI](#)
699. Qin, Xian, Albano N. Carneiro Neto, Ricardo L. Longo, Yiming Wu, Oscar L. Malta and Xiaogang Liu. 2021. Surface Plasmon–Photon Coupling in Lanthanide-Doped Nanoparticles. *The Journal of Physical Chemistry Letters*. [DOI](#)
700. Qiu, Longbin, Luis K. Ono and Yabing Qi. 2017. Advances and challenges to the commercialization of organiceinorganic halide perovskite solar cell technology. *Materials Today Energy*. [DOI](#)
701. Queißer, Jeffrey Frederic, Minju Jung, Takazumi Matsumoto and Jun Tani. 2021. Emergence of Content-Agnostic Information Processing by a Robot Using Active Inference, Visual Attention, Working Memory, and Planning. *Neural Computation*. [DOI](#)
702. Raga, Sonia R. and Yabing Qi. 2016. The effect of impurities on the impedance spectroscopy response of CH₃NH₃PbI₃ perovskite solar cells. *Journal of Physical Chemistry C*. [DOI](#)
703. Rahman, Nafsoon, Shiho Miura, Mami Okawa, Md Golam Kibria, Mohammad Monirul Islam and Yutaka Kuroda. 2021. Solubility Controlling Peptide Tags of Opposite Charges Generate a Bivalent Immune Response Against Dengue ED3 Serotypes 3 and 4. *Frontiers in Immunology*. [DOI](#)
704. Rahman, Mohamed Mostafizur, Tanbir Amin, Saima Bintay Sultan, Muslina Islam Bithi, Farzana Rahman and Md Moshiur Rahman. 2021. Depression, anxiety, and stress among public university students in Bangladesh during the COVID-19 pandemic. *Journal of Emergency Management*. [DOI](#)
705. Ranawat, Nishtha and Ichiro Masai. 2021. Mechanisms underlying microglial colonization of developing neural retina in zebrafish. *eLife*. [DOI](#)
706. Reinke, Chris, Eiji Uchibe and Kenji Doya. 2017. Average Reward Optimization with Multiple Discounting Reinforcement Learners. *Neural Information Processing, Springer International Publishing, Cham*. [URL](#)

707. Rey-Suarez, Paola, Vitelbina Nunez, Julian Fernandez and Bruno Lomonte. 2016. Integrative characterization of the venom of the coral snake *Micrurus dumerilii* (Elapidae) from Colombia: Proteome, toxicity, and cross-neutralization by antivenom. *Journal of Proteomics*. [DOI](#)
708. Rey-Suarez, Paola, Vitelbina Nunez, Mónica Saldarriaga-Cordoba and Bruno Lomonte. 2017. Primary structures and partial toxicological characterization of two phospholipases A2 from *Micrurus mipartitus* and *Micrurus dumerilii* coral snake venoms. *Biochimie*. [DOI](#)
709. Reyes-Bermudez, Alejandro , Alejandro Villar-Briones, Catalina Ramirez-Portilla, Michio Hidaka and Alexander S. Mikheyev. 2015. Developmental progression in the coral *Acropora digitifera* is controlled by differential expression of distinct regulatory gene networks *Genome Biology and Evolution*. [DOI](#)
710. Ripken, Christina, Konstantin Khalturin and Eiichi Shoguchi. 2020. Response of Coral Reef Dinoflagellates to Nanoplastics under Experimental Conditions Suggests Downregulation of Cellular Metabolism. *Microorganisms*. [DOI](#)
711. Rodrigues de Almeida, Paula Carolina, Renan Janke Bosque, Karina Rodrigues da Silva Banci, Felipe Franco Curcio, Miguel Trefaut Rodrigues and Ana Lúcia da Costa Prudente. 2020. Coralsnake mimicry: Concepts, evidence, and criticisms, Chapter 8, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
712. Rokyta, Darin R., Mark J. Margres and Kate Calvin. 2015. Post-transcriptional Mechanisms Contribute Little to Phenotypic Variation in Snake Venoms. *G3: Genes | Genomes | Genetics*. [DOI](#)
713. Romagnoli, Priscila, Maki Maeda, Jonathan M. Ward, Viet Giang Truong and Síle Nic Chormaic. 2020. Fabrication of optical nanofibre-based cavities using focussed ion-beam milling: a review. *Applied Physics B*. [DOI](#)
714. Roome, Christopher J. and Bernd Kuhn. 2018. Simultaneous dendritic voltage and calcium imaging and somatic recording from Purkinje neurons in awake mice. *Nature Communications*. [DOI](#)
715. Ross, Soheat, Shigeru Matsuyama, Seiichi Furukawa, Kazumu Kuramitsu and Yooichi Kainoh. 2023. Aversive effects of volatiles from intact plants help to fine tune host-searching behavior of the parasitoid wasp, *Cotesia kariyai*. *Frontiers in Ecology and Evolution*. [DOI](#)
716. Roy, Prodip K., Michael C. Roy, Junsei Taira and Katsuhiro Ueda. 2014. Structure and bioactivity of a trisnorditerpenoid and a diterpenoid from an Okinawan soft coral, *Cespitularia* sp. *Tetrahedron Letters*. [DOI](#)
717. Roy, Prodip Kumar, Sona Roy and Katsuhiro Ueda. 2019. New cytotoxic cembranolides from an Okinawan soft coral, *Lobophytum* sp. *Fitoterapia*. [DOI](#)

718. Roy, Prodip Kumar, Wilmar Maarisit, Michael C. Roy, Junsei Taira and Katsuhiro Ueda. 2012. Five new diterpenoids from an Okinawan soft coral, *Cespitularia* sp. *Marine Drugs*. [DOI](#)
719. Rusni, Suhaila, Mieko Sassa, Toshiyuki Takagi, Masato Kinoshita, Yusuke Takehana and Koji Inoue. 2022. Establishment of cytochrome P450 1a gene-knockout Javanese medaka, *Oryzias javanicus*, which distinguishes toxicity modes of the polycyclic aromatic hydrocarbons, pyrene and phenanthrene. *Marine Pollution Bulletin*. [DOI](#)
720. Rusni, Suhaila, Mieko Sassa, Yusuke Takehana, Masato Kinoshita and Koji Inoue. 2020. Correlation between cytochrome P450 1A (cyp1a) mRNA expression and ambient phenanthrene and pyrene concentration in Javanese Medaka *Oryzias javanicus*. *Fisheries Science*. [DOI](#)
721. Saifullah, Norio Motohashi, Toshifumi Tsukahara and Yoshitsugu Aoki. 2022. Development of Therapeutic RNA Manipulation for Muscular Dystrophy. *Frontiers in Genome Editing*. [DOI](#)
722. Saito, Akira, Joji Kitayama, Ryozo Nagai and Kenichi Aizawa. 2023. Anatomical Targeting of Anticancer Drugs to Solid Tumors Using Specific Administration Routes: Review. *Pharmaceutics*. [DOI](#)
723. Saito, Akira, Natsuka Kimura, Yuji Kaneda, Hideyuki Ohzawa, Hideyo Miyato, Hironori Yamaguchi, Alan Kawarai Lefor, Ryozo Nagai, Naohiro Sata, Joji Kitayama and Kenichi Aizawa. 2022. Novel Drug Delivery Method Targeting Para-Aortic Lymph Nodes by Retrograde Infusion of Paclitaxel into Pigs' Thoracic Duct. *Cancers (Basel)*. [DOI](#)
724. Saitoh, Shigeaki and Mitsuhiro Yanagida. 2014. Does a shift to limited glucose activate checkpoint control in fission yeast? *FEBS Letters*. [DOI](#)
725. Saitoh, Shigeaki, Ayaka Mori, Risa Uehara, Fumie Masuda, Saeko Soejima and Mitsuhiro Yanagida. 2014. Mechanisms of expression and translocation of major fission yeast glucose transporters regulated by CaMKK/phosphatases, nuclear shuttling and TOR. *Molecular Biology of the Cell*. [DOI](#)
726. Sajiki, Kenichi, Yuria Tahara, Alejandro Villar-Briones, Tomas Pluskal, Takayuki Teruya, Ayaka Mori, Mitsuko Hatanaka, Masahiro Ebe, Takahiro Nakamura, Keita Aoki, Yukinobu Nakaseko and Mitsuhiro Yanagida. 2018. Genetic defects in SAPK signalling, chromatin regulation, vesicle transport and CoA-related lipid metabolism are rescued by rapamycin in fission yeast. *Open Biology*. [DOI](#)
727. Sajiki, Kenichi, Yuria Tahara, Lisa Uehara, Toshio Sasaki, Tomas Pluskal and Mitsuhiro Yanagida. 2018. Genetic regulation of mitotic competence in G0 quiescent cells. *Science Advances*. [DOI](#)
728. Sakagami, Taichiro, Annette Werth, Mario Tokoro, Yoshiyuki Asai, Daisuke Kawamoto and Hiroaki Kitano. 2015. Performance of a DC-based microgrid system in Okinawa. *IEEE Explore*. [DOI](#)

729. Sakai, Yuki, Yutaka Sakai, Yoshinari Abe, Jin Narumoto and Saori C. Tanaka. 2022. Memory trace imbalance in reinforcement and punishment systems can reinforce implicit choices leading to obsessive-compulsive behavior. *Cell Reports*. [DOI](#)
730. Sakamoto, Asuka, Goro Watanabe, Tsuyoshi Morito, Kimio Katayama, Hajime Kumagai and Kazuyoshi Gamada. 2021. Changes in pelvic alignment in a woman before and after childbirth, using three-dimensional pelvic models based on magnetic resonance imaging: A longitudinal observation case report. *Radiology Case Reports*. [DOI](#)
731. Sakamoto, Asuka, Akino Aoki, Tsuyoshi Morito and Kazuyoshi Gamada. 2021. Association of Pelvic Alignment and Posture in Pregnancy with Lower Back or Pelvic Girdle Pain During Postpartum Recovery: Myth or Reality? A Systematic Review. *Journal of Gynecology and Women's Health*. [DOI](#)
732. Salazar, Emelyn, Ana Maria Salazar, Peter Taylor, Carlos Ibarra, Alexis Rodriguez-Acosta, Elda Sanchez, Karin Perez, Beatriz Brito and Belsy Guerrero. 2018. Pro-inflammatory response and hemostatic disorder induced by venom of the coral snake *Micrurus tener tener* IN C57BL/6 mice. *Toxicon*. [DOI](#)
733. Sano, Masaya, Takuya Hashimoto, Mio Saito, Masaru Kimura, Masaya Miyazaki and Juno Deguchi. 2023. Successful treatment of a patient with a 'flow-through' type II endoleak associated with an aberrant renal artery after endovascular aneurysm repair. *Journal of Surgical Case Reports*. [DOI](#)
734. Santibáñez-López, E. Carlos, R. Matthew Graham, P. Prashant Sharma, Ernesto Ortiz and Lourival D. Possani. 2019. Hadrurid Scorpion Toxins: Evolutionary Conservation and Selective Pressures. *Toxins (Basel)*. [DOI](#)
735. Sanz, Libia, Davinia Pla, Alicia Pérez, Yania Rodríguez, Alfonso Zavaleta, María Salas, Bruno Lomonte and Juan J. Calvete. 2016. Venomic Analysis of the Poorly Studied Desert Coral Snake, *Micrurus tschudii tschudii*, Supports the 3FTx/PLA2 Dichotomy across Micrurus Venoms. *Toxins*. [DOI](#)
736. Saotome, Tomonori, Taichi Mezaki, Subbaian Brindha, Satoru Unzai, Jose C. Martinez, Shun-ichi Kidokoro and Yutaka Kuroda. 2020. Thermodynamic Analysis of Point Mutations Inhibiting High-Temperature Reversible Oligomerization of PDZ3. *Biophysical Journal*. [DOI](#)
737. Sassa, Mieko, Toshiyuki Takagi, Azusa Kinjo, Yuki Yoshioka, Yuna Zayasu, Chuya Shinzato, Shinji Kanda, Naoko Murakami-Sugihara, Kotaro Shirai and Koji Inoue. 2021. Divalent metal transporter-related protein restricts animals to marine habitats. *Communications Biology*. [DOI](#)
738. Sassa, Toshihiro and Ichiro N. Maruyama. 2013. A G-protein α subunit, GOA-1, plays a role in *C. elegans* avoidance behavior of strongly alkaline pH. *Communicative & Integrative Biology*. [DOI](#)
739. Sassa, Toshihiro, Takashi Murayama and Ichiro N. Maruyama. 2013. Strongly alkaline pH avoidance mediated by ASH sensory neurons in *C. elegans*. *Neuroscience Letters*. [DOI](#)

740. Sato, Fumiya, Yu Masuda, Daisuke Suzuki, Toshinori Hayashi, Tomohito Iwasaki, Jeonghyun Kim, Takeo Matsumoto and Eijiro Maeda. 2023. Biomechanical analysis of tendon regeneration capacity of Iberian ribbed newts following transection injury: Comparison to a mouse model. *Journal of Orthopaedic Research*. [DOI](#)
741. Satoh, Noriyuki. 2014. *Developmental Genomics of Ascidiants*. Wiley-Blackwell, Hoboken, New Jersey. ISBN: 9781118656181, 201 pages. [DOI](#).
742. Satoh, Noriyuki. 2016. *Chordate Origins and Evolution: The Molecular Evolutionary Road to Vertebrates*. Academic Press/Elsevier, London, United Kingdom. 12 Chapters, 206 pp + viii. ISBN: 978-0-12-809934-6.
743. Satoh, Noriyuki, Koji Kinjo, Kohei Shintaku, Daisuke Kezuka, Hiroo Ishimori, Atsushi Yokokura, Kazutaka Hagiwara, Kanako Hisata, Mayumi Kawamitsu, Koji Koizumi, Chuya Shinzato and Yuna Zayasu. 2021. Color morphs of the coral, *Acropora tenuis*, show different responses to environmental stress and different expression profiles of fluorescent-protein genes. *G3 Genes | Genomes | Genetics*. [DOI](#)
744. Satoh, Nori, Hitoshi Tominaga, Masato Kiyomoto, Kanako Hisata, Jun Inoue and Koki Nishitsuji. 2021. A preliminary single-cell RNA-seq analysis of Brachyury-expressing embryonic cells in the amphioxus, *Branchiostoma japonicum*. *Frontiers in Cell and Developmental Biology*. [DOI](#)
745. Satoh, Noriyuki, Daniel S. Rokhsar and Teruaki Nishikawa. 2014. Chordate evolution and the three-phylum system. *Proceedings of The Royal Society B*. [DOI](#)
746. Satoh, Noriyuki. 2016. Two Decades of Ascidian Developmental Biology: A Personal Research Story. *Current Topics in Developmental Biology*. [DOI](#)
747. Satoh, Noriyuki. 2017. Evolutionary Origin of the Notochord. Chordomas. Technologies, Techniques, and Treatment Strategies, Thieme Medical Publishers, New York.
748. Satoh, Noriyuki, Kunifumi Tagawa, Christopher J Lowe, Jr-Kai Yu, Takeshi Kawashima, Hiroki Takahashi, Michio Ogasawara, Marc Kirschner, Kanako Hisata, Yi-Hsien Su and John Gerhart. 2014. On a possible evolutionary link of the stomochord of hemichordates to pharyngeal organs of chordates. *Genesis*. [DOI](#)
749. Satou, Yutaka, Kazuko Hirayama, Kaoru Mita, Manabu Fujie, Shota Chiba, Reiko Yoshida, Toshinori Endo, Yasunori Sasakura, Kazuo Inaba and Nori Satoh. 2015. Sustained heterozygosity across a self-incompatibility locus in an inbred ascidian. *Molecular Biology and Evolution*. [DOI](#)
750. Satou, Yutaka, Ryohei Nakamura, Yu Deli, Reiko Yoshida, Mayuko Hamada, Manabu Fujie, Kanako Hisata, Hiroyuki Takeda and Noriyuki Satoh. 2019. A nearly-complete genome of *Ciona intestinalis* type A (*C. robusta*) reveals the contribution of inversion to chromosomal evolution in the genus *Ciona*. *Genome Biology and Evolution*. [DOI](#)

751. Sawada, Naoya, Shiori Ueno and Kojiro Takeda. 2021. Regulation of inorganic polyphosphate is required for proper vacuolar proteolysis in fission yeast. *Journal of Biological Chemistry*. [DOI](#)
752. Saze, Hidetoshi, Junko Kitayama, Kazuya Takashima, Saori Miura, Yoshiko Harukawa, Tasuku Ito and Tetsuji Kakutani. 2013. Mechanism for full-length RNA processing of *Arabidopsis* genes containing intragenic heterochromatin. *Nature Communications*. [DOI](#)
753. Saze, Hidetoshi. 2018. Epigenetic regulation of intragenic transposable elements: A two-edged sword. *Journal of Biochemistry*. [DOI](#)
754. Sekigami, Yuka, Takuya Kobayashi, Ai Omi, Koki Nishitsuji, Tetsuro Ikuta, Asao Fujiyama, Noriyuki Satoh and Hidetoshi Saiga. 2017. Hox gene cluster of the ascidian, *Halocynthia roretzi*, reveals multiple ancient steps of cluster disintegration during ascidian evolution. *Zoological Letters*. [DOI](#)
755. Setiamarga, Davin H. E., Keisuke Shimizu, Junpei Kuroda, Kengo Inamura, Kei Sato, Yukinobu Isowa, Makiko Ishikawa, Reo Maeda, Tomoyuki Nakano, Tomoko Yamakawa, Ryo Hatori, Akira Ishio, Kayo Kaneko, Kenjiroo Matsumoto, Isao Sarashina, Shinnosuke Teruya, Ran Zhao, Noriyuki Satoh, Takenori Sasaki, Kenji Matsuno and Kazuyoshi Endo. 2013. An In-silico Genomic Survey to Annotate Genes Coding for Early Development-Relevant Signaling Molecules in the Pearl Oyster, *Pinctada fucata*. *Zoological Science*. [DOI](#)
756. Setiawan, Andi, Widyastuti Widyastuti, Arik Irawan, Oklis S. Wijaya, Aspita Laila, Wawan A. Setiawan, Ni L. Juliasih, Kenichi Nonaka, Masayoshi Arai and John Hendri. 2021. Solid State Fermentation of Shrimp Shell Waste Using *Pseudonocardia carboxydivorans* 18A13O1 to Produce Bioactive Metabolites. *Fermentation*. [DOI](#)
757. Shao, Pei-Jung, Yi-Ling Chiu, Pin-Hsuan Tsai and Shinya Shikina. 2023. Possible germline progenitor cells in extra-gonadal tissues of the sea anemone, *Exaiptasia diaphana*. *Frontiers in Marine Science*. [DOI](#)
758. Sheloukhova, Larisa and Hiroshi Watanabe. 2023. Analysis of cnidarian Gcm suggests a neuronal origin of glial EAAT1 function. *Scientific Reports*. [DOI](#)
759. Shibasaki, Sena, Hiromitsu Hattori, Masae Koizumi, Satoko Nagaura, Mayumi Toya, Hideki Igarashi and Koichi Kyono. 2023. Chlormadinone acetate in progestin-primed ovarian stimulation does not negatively affect clinical results. *Reproductive Medicine and Biology*. [DOI](#)
760. Shibata, Hiroki, Takahito Chijiwa, Naoko Oda-Ueda, Hitomi Nakamura, Kazuaki Yamaguchi, Shousaku Hattori, Kazumi Matsubara, Yoichi Matsuda, Akifumi Yamashita, Akiko Isomoto, Kazuki Mori, Kosuke Tashiro, Satoru Kuhara, Shinichi Yamasaki, Manabu Fujie, Hiroki Goto, Ryo Koyanagi, Takeshi Takeuchi, Yasuyuki Fukumaki, Motonori Ohno, Eiichi Shoguchi, Kanako Hisata, Noriyuki Satoh and Tomohisa Ogawa. 2018. The habu genome reveals accelerated evolution of venom protein genes. *Scientific Reports*. [DOI](#)

761. Shibata, Satoshi, Hideyuki Matsunami, Shin-Ichi Aizawa and Matthias Wolf. 2019. Torque transmission mechanism of the curved bacterial flagellar hook revealed by cryo-EM. *Nature Structural and Molecular Biology*. [DOI](#)
762. Shibata, Satoshi, Mikio Shoji, Kodai Okada, Hideyuki Matsunami, Melissa M. Matthews, Katsumi Imada, Koji Nakayama and Matthias Wolf. 2020. Structure of polymerized type V pilin reveals assembly mechanism involving protease-mediated strand exchange. *Nature Microbiology*. [DOI](#)
763. Shigyou, Kazuki, Maeoka, Haruka, Igarashi, Ryuji and Sugi, Takuma. 2021. Calcium Imaging in freely behaving *Caenorhabditis elegans* with well-controlled, nonlocalized vibration. *JoVE*. [DOI](#)
764. Shijoh, Yoko, Shota Saito, Zhehao Dai and Sachiko Ohde. 2022. Cost-effectiveness analysis of patent foramen ovale closure versus medical therapy alone after cryptogenic stroke. *PLoS ONE*. [DOI](#)
765. Shikina, Shinya, Tzu-Chieh Lin, Yu-Ling Chu, Yin-Chu Cheng, Yu-En Chang, Naohisa Wada, Sen-Lin Tang, Yoshiyuki Iizuka and Yi-Ling Chiu. 2023. Culturing reef-building corals on a laboratory dish: a simple experimental platform for stony corals. *Frontiers in Marine Science*. [DOI](#)
766. Shikina, Shinya, Che-Chun Chen, Yi-Ling Chiu, Pin-Hsuan Tsai and Ching-Fong Chang. 2020. Apoptosis in gonadal somatic cells of scleractinian corals: implications of structural adjustments for gamete production and release. *Proceedings of the Royal Society B: Biological Sciences*. [DOI](#)
767. Shimanuki, Mizuki, Risa Uehara, Tomas Pluskal, Tomoko Yoshida, Aya Kokubu, Yosuke Kawasaki and Mitsuhiro Yanagida. 2013. Klf1, a C₂H₂ zinc finger-transcription factor, is required for cell wall maintenance during long-term quiescence in differentiated G0 phase. *PLoS One*. [DOI](#)
768. Shimizu, Keisuke, Yi-Jyun Luo, Noriyuki Satoh and Kazuyoshi Endo. 2017. Possible co-option of engrailed during brachiopod and mollusc shell development. *Biology Letters*. [DOI](#)
769. Shimizu, Yu, Junichiro Yoshimoto, Shigeru Toki, Masahiro Takamura, Shinpei Yoshimura, Yasumasa Okamoto, Shigeto Yamawaki and Kenji Doya. 2015. Toward probabilistic diagnosis and understanding of depression based on functional MRI data analysis with logistic group LASSO. *PLoS One*. [DOI](#)
770. Shindou, Tomomi, Mayumi Ochi-Shindou, Takashi Murayama, Yuto Momohara, Ei-ichiro Saita, Jeffery R. Wickens and Ichiro N. Maruyama. 2019. Active propagation of dendritic electrical signals in *C. elegans*. *Scientific Reports*. [DOI](#)
771. Shinozuka, Takuma, Motoko Aoki, Yudai Hatakeyama, Noriaki Sasai, Hiroshi Okamoto and Shinji Takada. 2023. Rspo1 and Rspo3 are required for sensory lineage neural crest formation in mouse embryos. *Developmental Dynamics*. [DOI](#)

772. Shinozuka, Takuma and Shinji Takada. 2021. Morphological and Functional Changes of Roof Plate Cells in Spinal Cord Development. *Journal of Developmental Biology*. [DOI](#)
773. Shinzato, Chuya, Takeshi Takeuchi, Yuki Yoshioka, Ipputa Tada, Miyuki Kanda, Cédric Broussard, Akira Iguchi, Makoto Kusakabe, Frédéric Marin, Noriyuki Satoh and Mayuri Inoue. 2021. Whole-Genome Sequencing Highlights Conservative Genomic Strategies of a Stress-Tolerant, Long-Lived Scleractinian Coral, *Porites australiensis* Vaughan, 1918. *Genome Biology and Evolution*. [DOI](#)
774. Shinzato, Chuya, Haruhi Narisoko, Koki Nishitsuji, Tomofumi Nagata, Noriyuki Satoh and Jun Inoue. 2021. Novel Mitochondrial DNA Markers for Scleractinian Corals and Generic-Level Environmental DNA Metabarcoding. *Frontiers in Marine Science*. [DOI](#)
775. Shinzato, Chuya, Konstantin Khalturin, Jun Inoue, Yuna Zayasu, Miyuki Kanda, Mayumi Kawamitsu, Yuki Yoshioka, Hiroshi Yamashita, Go Suzuki and Noriyuki Satoh. 2020. Eighteen coral genomes reveal the evolutionary origin of *Acropora* strategies to accommodate environmental changes. *Molecular Biology and Evolution*. [DOI](#)
776. Shinzato, Chuya, Mayuri Inoue and Makoto Kusakabe. 2014. A Snapshot of a Coral "Holobiont": A Transcriptome Assembly of the Scleractinian Coral, *Porites*, Captures a Wide Variety of Genes from Both the Host and Symbiotic Zooxanthellae. *PLoS One*. [DOI](#)
777. Shinzato, Chuya, Sutada Mungpakdee, Nana Arakaki and Noriyuki Satoh. 2015. Genome-wide SNP analysis explains coral diversity and recovery in the Ryukyu Archipelago. *Scientific Reports*. [DOI](#)
778. Shinzato, Chuya, Sutada Mungpakdee, Noriyuki Satoh and Eiichi Shoguchi. 2014. A genomic approach to coral-dinoflagellate symbiosis: studies of *Acropora digitifera* and *Symbiodinium minutum*. *Frontiers in Microbiology*. [DOI](#)
779. Shinzato, Chuya, Yuki Yasuoka, Sutada Mungpakdee, Nana Arakaki, Manabu Fujie, Yuichi Nakajima and Noriyuki Satoh. 2014. Development of novel, cross-species microsatellite markers for *Acropora* corals using next-generation sequencing technology. *Frontiers in Marine Science*. [DOI](#)
780. Shinzato, Chuya, Yuna Zayasu, Miyuki Kanda, Mayumi Kawamitsu, Noriyuki Satoh, Hiroshi Yamashita and Go Suzuki. 2018. Using seawater to document coral-zoothanthella diversity: A new approach to coral reef monitoring using environmental DNA. *Frontiers in Marine Science*. [DOI](#)
781. Shoguchi, Eiichi. 2021. Gene clusters for biosynthesis of mycosporine-like amino acids in dinoflagellate nuclear genomes: Possible recent horizontal gene transfer between species of Symbiodiniaceae (Dinophyceae). *Journal of Phycology*. [DOI](#)
782. Shoguchi, Eiichi, Chuya Shiznato, Kanako Hisata, Noriyuki Satoh and Sutada Mungpakdee. 2015. The large mitochondrial genome of *Symbiodinium*

- minutum* reveals conserved non-coding sequences between dinoflagellates and apicomplexans. *Genome Biology and Evolution*. [DOI](#)
783. Shoguchi, Eiichi, Chuya Shinzato, Takeshi Kawashima, Fuki Gyoja, Sutada Mungpakdee, Ryo Koyanagi, Takeshi Takeuchi, Kanako Hisata, Makiko Tanaka, Mayuki Fujiwara, Mayuko Hamada, Azadeh Seidi, Manabu Fujie, Takeshi Usami, Hiroki Goto, Shinichi Yamasaki, Nana Arakaki, Yutaka Suzuki, Sumio Sugano, Atsushi Toyoda, Yoko Kuroki, Asao Fujiyama, Monica Medina, Mary Alice Coffroth, Debashish Bhattacharya and Noriyuki Satoh. 2013. Draft assembly of the *Symbiodinium minutum* nuclear genome reveals dinoflagellate gene structure. *Current Biology*. [DOI](#)
784. Shoguchi, Eiichi, Girish Beedessee, Ipputa Tada, Kanako Hisata, Takeshi Kawashima, Takeshi Takeuchi, Nana Arakaki, Manabu Fujie, Ryo Koyanagi, Michael C. Roy, Masanobu Kawachi, Michio Hidaka, Noriyuki Satoh and Chuya Shinzato. 2018. Two divergent *Symbiodinium* genomes reveal conservation of a gene cluster for sunscreen biosynthesis and recently lost genes. *BMC Genomics*. [DOI](#)
785. Shoguchi, Eiichi, Girish Beedessee, Kanako Hisata, Ipputa Tada, Haruhi Narisoko, Noriyuki Satoh, Masanobu Kawachi and Chuya Shinzato. 2020. A New Dinoflagellate Genome Illuminates a Conserved Gene Cluster Involved in Sunscreen Biosynthesis. *Genome Biology and Evolution*. [DOI](#)
786. Shoguchi, Eiichi, Makiko Tanaka, Chuya Shinzato, Takeshi Kawashima and Noriyuki Satoh. 2013. A genome-wide survey of photoreceptor and circadian genes in the coral, *Acropora digitifera*. *Gene*. [DOI](#)
787. Shoguchi, Eiichi, Makiko Tanaka, Takeshi Takeuchi, Chuya Shinzato and Noriyuki Satoh. 2013. Probing a coral genome for components of the photo-protective scytonemin biosynthetic pathway and the 2-aminoethylphosphonate pathway. *Marine Drugs*. [DOI](#)
788. Shouno, Osamu, Yoshihisa Tachibana, Atsushi Nambu and Kenji Doya. 2017. Computational model of recurrent subthalamo-pallidal circuit for generation of Parkinsonian oscillations. *Frontiers in Neuroanatomy*. [DOI](#)
789. Sigle, Randy, Murray Hackett and Steven D. Aird. 2002. Primary structures of four trypsin inhibitor E homologs from venom of *Dendroaspis angusticeps*: structure-function comparisons with other dendrotoxin homologs. *Toxicon*. [DOI](#)
790. Silva, Anjana, Ben Cristofori-Armstrong, Lachlan D. Rash, Wayne C. Hodgson and Geoffrey K. Isbister. 2018. Defining the role of post-synaptic alpha-neurotoxins in paralysis due to snake envenoming in humans. *Cellular and Molecular Life Sciences*. [DOI](#)
791. Silva, Cristina O., Gloria Pinto Duarte and Saad Lahlou. 2002. Alpha-adrenergic responsiveness in rat isolated perfused heart after abdominal aortic coarctation. *Journal of Pharmacy and Pharmacology*. [DOI](#)

792. Silva Jr., Nelson Jorge da. 2020. Introduction, Translated by Steven D. Aird Advances in Coralsnake Biology: with an Emphasis on South America, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
793. Silva, Jr., Nelson Jorge, Louis W. Porras, Steven D. Aird, and Ana Lúcia de Costa Prudente, Editors, 2020. Advances in Coralsnake Biology with an Emphasis on South America. Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA, 809 pages.
794. Silva Jr., Nelson Jorge da , Darlan Tavares Feitosa, Matheus Godoy Pires and Ana Lúcia da Costa Prudente. 2020. Coralsnake diversity in Brazil, Chapter 5, In: *Advances in Coralsnake Biology: with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
795. Silva Jr., Nelson Jorge da , Marcus Augusto Buononato, Matheus Godoy Pires and Darlan Tavares Feitosa. 2020. New World coralsnakes: An overview, Chapter 4, In: *Advances in Coralsnake Biology: with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA. ISBN: 978-0-9720154-6-2
796. Silva Jr., Nelson Jorge da, Kalley Ricardo Clementino Ferreira, Raimundo Nonato Leite Pinto and Steven D. Aird. 2015. A severe accident caused by an Ocellate River Stingray (*Potamotrygon motoro*) in Central Brazil. How well do we really understand stingray venom chemistry, envenomation, and therapeutics? *Toxins (Basel)*. [DOI](#)
797. Silva, Jr., Nelson Jorge da and Steven D. Aird. 2001. Prey specificity, comparative lethality and compositional differences of coral snake venoms. *Comparative Biochemistry and Physiology C Toxicology and Pharmacology*. [DOI](#)
798. Singh, Vidyadhar, Panagiotis Grammatikopoulos, Cathal Cassidy, Maria Benelmekki, Murtaza Bohra, Zafer Hawash, Kenneth W. Baughman and Mukhles Sowwan. 2014. Assembly of tantalum porous films with graded oxidation profile from size-selected nanoparticles. *Journal of Nanoparticle Research*. [DOI](#)
799. Sites, Jack W., Jr., Edward A. Myers and Sara Ruane. 2020. Species delimitation and integrative taxonomy: Challenges and opportunities in snake systematics. *Advances in Coralsnake Biology: with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
800. Smith, Cara Francesca, Mitchell E. McGlaughlin and Stephen P. Mackessy. 2018. DNA barcodes from snake venom: a broadly applicable method for extraction of DNA from snake venoms. *BioTechniques*. [DOI](#)
801. Soeda, Shou, Masaaki Oyama, Hiroko Kozuka-Hata and Tadashi Yamamoto. 2023. The CCR4-NOT complex suppresses untimely translational activation of maternal mRNAs. *Development*. [DOI](#)
802. Soeda, Shou, Kaori Yamada-Nomoto, Tatsuo Michiue and Miho Ohsugi. 2018. RSK-MASTL Pathway Delays Meiotic Exit in Mouse Zygotes to Ensure Paternal Chromosome Stability. *Developmental Cell*. [DOI](#)

803. Soliman, Taha, J. D. Reimer, S. Y. Yang, Alejandro Villar-Briones, Michael C. Roy and Holger Jenke-Kodama. 2017. Diversity of Microbial Communities and Quantitative Chemodiversity in Layers of Marine Sediment Cores from a Causeway (Kaichu-Doro) in Okinawa Island, Japan. *Frontiers in Microbiology*. [DOI](#)
804. Soliman, Taha, Sung-Yin Yang, Tomoko Yamazaki and Holger Jenke-Kodama. 2017. Profiling soil microbial communities with next-generation sequencing: the influence of DNA kit selection and technician technical expertise. *PeerJ*. [DOI](#)
805. Soliman, Taha, Eman M. Abbas and Reda M. Fahim. 2017. Impact of Enzymes and Primers on the PCR Amplification of Some Goatfishes. *Genetics of Aquatic Organisms*. [DOI](#)
806. Soliman, Taha, Walid Aly, Reda M. Fahim, Michael L. Berumen, Holger Jenke-Kodama and Giacomo Bernardi. 2017. Comparative population genetic structure of redbelly tilapia (*Coptodon zillii* (Gervais, 1848)) from three different aquatic habitats in Egypt. *Ecology and Evolution*. [DOI](#)
807. Someya, Yu, Tomoaki Aono, Takumi Yamamura and Takeshi Kawai. 2023. Controlling coloring temperature of structurally colored emulsions using different alkyl chain lengths of surfactant. *Journal of Molecular Liquids*. [DOI](#)
808. Sonoda, Hiromichi, Takeshi Yamada, Akihisa Matsuda, Yasuyuki Yokoyama, Ryo Ohta, Seiichi Shinji, Kazuhide Yonaga, Takuma Iwai, Kohki Takeda, Koji Ueda, Sho Kuriyama, Toshimitsu Miyasaka, Shintaro Kanaka, Nobuhiko Taniai and Hiroshi Yoshida. 2023. The T-CEA score: a useful prognostic indicator based on postoperative CEA and pathological T4 levels for patients with stage II-III colorectal cancer. *Surgery Today*. [DOI](#)
809. Sonoda, Hiromichi, Takeshi Yamada, Keiji Hirata, Nobuhisa Matsuhashi, Daisuke Ichikawa, Norio Yukawa, Ken Eto, Keiji Koda, Suguru Hasegawa, Akihisa Matsuda, Shingo Ito, Yasuyuki Yokoyama, Hiroshi Yoshida and Soichiro Ishihara. 2021. A Trial Protocol to Investigate the Incidence of Postoperative Bowel Obstruction after Laparoscopic Colorectal Cancer Surgery Using an Absorbable Adhesion Barrier Material (INTERCEEDR) (Balsam CEED Study): A Prospective, Multicenter, Observational Study. *Journal of the Anus, Rectum and Colon*. [DOI](#)
810. Sonoda, Hiromichi, Takeshi Yamada, Akihisa Matsuda, Ryo Ohta, Seiichi Shinji, Yasuyuki Yokoyama, Goro Takahashi, Takuma Iwai, Kohki Takeda, Koji Ueda, Sho Kuriyama, Toshimitsu Miyasaka and Hiroshi Yoshida. 2021. Elevated serum carcinoembryonic antigen level after curative surgery is a prognostic biomarker of stage II-III colorectal cancer. *European Journal of Surgical Oncology*. [DOI](#)
811. Soper, Anastasiya S. and Steven D. Aird. 2007. Elution of tightly bound solutes from concanavalin A Sepharose. Factors affecting the desorption of cottonmouth venom glycoproteins. *Journal of Chromatography A*. [DOI](#)

812. Spencer, Patrick Jack, Steven D. Aird, M. Boni-Mitake, Nanci Nascimento and J. R. Rogero. 1998. A single-step purification of bothropstoxin-1. *Brazilian Journal of Medical and Biological Research.* [DOI](#)
813. Sugahara, Kaho, Toyoshi Yanagihara, Yuri Nakamura, Yuuka Nakayama, Katsuzo Hanaoka, Migiwa Ohgushi, Naruhiko Ogo, Yu Inutsuka, Tatsuma Asoh, Yukiko Harada, Reiko Yoneda and Takashige Maeyama. 2021. A Refractory, Infected Lung Bulla and an Abscess Treated Using Percutaneous Drainage in a Patient With Human T-Lymphotropic Virus Type 1-Associated Myelopathy. *Cureus.* [DOI](#)
814. Sugita, Yukihiko, Hideyuki Matsunami, Yoshihiro Kawaoka, Takeshi Noda and Matthias Wolf. 2018. Cryo-EM structure of the Ebola virus nucleoprotein-RNA complex at 3.6 Å resolution. *Nature.* [DOI](#)
815. Sugiyama, Taisei, Nicolas Schweighofer and Jun Izawa. 2023. Reinforcement learning establishes a minimal metacognitive process to monitor and control motor learning performance. *Nature Communications.* [DOI](#)
816. Suzuki, Masataka, Ryoko Shimizu-Hirota, Masashi Mita, Kenji Hamase and Jumpei Sasabe. 2022. Chiral resolution of plasma amino acids reveals enantiomer-selective associations with organ functions. *Amino Acids.* [DOI](#)
817. Suzuki, Masataka, Tomohisa Sujino, Sayako Chiba, Yosuke Harada, Motohito Goto, Riichi Takahashi, Masashi Mita, Kenji Hamase, Takanori Kanai, Mamoru Ito, Matthew K. Waldor, Masato Yasui and Jumpei Sasabe. 2021. Host-microbe cross-talk governs amino acid chirality to regulate survival and differentiation of B cells. *Science Advances.* [DOI](#)
818. Suzuki, Miho M., Tomoko Mori and Noriyuki Satoh. 2016. The *Ciona intestinalis* cleavage clock is independent of DNA methylation. *Genomics.* [DOI](#)
819. Suzuki, Minako, Tomomi Okumura, Koki Uchida, Yukinori Ikeda, Yasuhiro Tomooka and Tadaaki Nakajima. 2021. Cell culture and genetic transfection methods for the Japanese scallop, *Patinopecten yessoensis*. *FEBS Open Bio.* [DOI](#)
820. Suzuki, Toru, Miyuki Hoshina, Saori Nishijima, Naosuke Hoshina, Chisato Kikuguchi, Takumi Tomohiro, Akira Fukao, Toshinobu Fujiwara and Tadashi Yamamoto. 2022. Regulation of CCR4-NOT complex deadenylase activity and cellular responses by MK2-dependent phosphorylation of CNOT2. *RNA Biology.* [DOI](#)
821. Suzuki, Toru, Shungo Adachi, Chisato Kikuguchi, Shinsuke Shibata, Saori Nishijima, Yurie Kawamoto, Yusuke Iizuka, Haruhiko Koseki, Hideyuki Okano, Tohru Natsume and Tadashi Yamamoto. 2020. Regulation of Fetal Genes by Transitions among RNA-Binding Proteins during Liver Development. *International Journal of Molecular Sciences.* [DOI](#)
822. Suzuki, Toru, Chisato Kikuguchi, Sahil Sharma, Toshio Sasaki, Miho Tokumasu, Shungo Adachi, Tohru Natsume, Yumi Kanegae and Tadashi Yamamoto. 2015. CNOT3 suppression promotes necroptosis by stabilizing mRNAs for cell death-inducing proteins. *Scientific Reports.* [DOI](#)

823. Suzuki, Toru, Chisato Kikuguchi, Saori Nishijima and Tadashi Yamamoto. 2019. Insufficient liver maturation affects murine early postnatal hair cycle. *Biochemical and Biophysical Research Communications*. [DOI](#)
824. Suzuki, Toru, Chisato Kikuguchi, Saori Nishijima, Takeshi Nagashima, Akinori Takahashi, Mariko Okada and Tadashi Yamamoto. 2019. Postnatal liver functional maturation requires Cnot complex-mediated decay of mRNAs encoding cell cycle and immature liver genes. *Development*. [DOI](#)
825. Suzuki, Yukihiro and Saori C. Tanaka. 2021. Functions of the ventromedial prefrontal cortex in emotion regulation under stress. *Scientific Reports*. [DOI](#)
826. Szydlowski, Lukasz, Tammy C. T. Lan, Noriko Shibata and Igor Goryanin. 2020. Metabolic engineering of a novel strain of electrogenic bacterium Arcobacter butzleri to create a platform for single analyte detection using a microbial fuel cell. *Enzyme and Microbial Technology*. [DOI](#)
827. Tadokoro, Takashi, Cassandra M. Modahl, Katsumi Maenaka and Narumi Aoki-Shioi. 2020. Cysteine-Rich Secretory Proteins (CRISPs) From Venomous Snakes: An Overview of the Functional Diversity in A Large and Underappreciated Superfamily. *Toxins (Basel)*. [DOI](#)
828. Tagawa, Kuni, Asuka Arimoto, Akane Sasaki, Mizuki Izumi, Satoko Fujita, Tom Humphreys, Asao Fujiyama, Hiroshi Kagoshima, Tadasu Shin-I, Yuji Kohara, Nori Satoh and Takeshi Kawashima. 2014. A cDNA resource for gene expression studies of a hemichordate, *Ptychoderma flava*. *Zoological Science*. [DOI](#)
829. Tagawa, Kuni. 2016. Hemichordate models. *Current Opinion in Genetics & Development*. [DOI](#)
830. Tagawa, Kuni. 2019. Evo-Devo Lessons Learned from Hemichordates. *Evolutionary Developmental Biology*, Springer Nature Switzerland AG, Switzerland. [DOI](#)
831. Tai, T., S. Shibasaki, M. Takahashi, N. Okuyama, H. Hattori, S. Nagaura, K. Yoshinaga, M. Koizumi, M. Toya, T. Hashimoto, H. Igarashi and K. Kyono. 2023. P-089 effect of testis tissue retrieval on "Micro Mapping Testicular Extraction" (MMTE): comparison with microscopic testicular sperm extraction (Micro TESE) in non-obstructive azoospermia (NOA). *Human Reproduction*. [DOI](#)
832. Taira, Naoyuki, Sakura Toguchi, Mio Miyagi, Tomoari Mori, Hiroaki Tomori, Koichi Oshiro, Osamu Tamai, Mitsuo Kina, Masatake Miyagi, Kentaro Tamaki, Mary K. Collins and Hiroki Ishikawa. 2022. Altered pre-existing SARS-CoV-2-specific T cell responses in elderly individuals. *Clinical Immunology Communications*. [DOI](#)
833. Takado, Masahiro, Tochi Komamura, Tomoki Nishimura, Ikkei Ohkubo, Keita Ohuchi, Tomohiro Matsumoto and Kojiro Takeda. 2023. Phosphate uptake restriction, phosphate export, and polyphosphate synthesis contribute synergistically to cellular proliferation and survival. *Journal of Biological Chemistry*. [DOI](#)

834. Takagi, Toshiyuki, Kako Aoyama, Keisuke Motone, Shunsuke Aburaya, Hideyuki Yamashiro, Natsuko Miura and Koji Inoue. 2023. Mutualistic Interactions between Dinoflagellates and Pigmented Bacteria Mitigate Environmental Stress. *Microbiology Spectrum*. [DOI](#)
835. Takahashi, Akinori, Shohei Takaoka, Shungo Kobori, Tomokazu Yamaguchi, Sara Ferwati, Keiji Kuba, Tadashi Yamamoto and Toru Suzuki. 2019. The CCR4–NOT Deadenylase Complex Maintains Adipocyte Identity. *International Journal of Molecular Sciences*. [DOI](#)
836. Takahashi, Akinori, Shungo Adachi, Masahiro Morita, Miho Tokumasu, Tohru Natsume, Toru Suzuki and Tadashi Yamamoto. 2015. Post-transcriptional Stabilization of Ucp1 mRNA Protects Mice from Diet-Induced Obesity. *Cell Reports*. [DOI](#)
837. Takahashi, Akinori, Toru Suzuki, Shou Soeda, Shohei Takaoka, Shungo Kobori, Tomokazu Yamaguchi, Aly Mohamed Haytham Mohamed, Akiko Yanagiya, Takaya Abe, Mayo Shigeta, Yasuhide Furuta, Keiji Kuba and Tadashi Yamamoto. 2020. The CCR4-NOT complex maintains liver homeostasis through mRNA deadenylation. *Life Science Alliance*. [DOI](#)
838. Takahashi, Hiroki, Kanako Hisata, Rin Iguchi, Sakura Kikuchi, Michio Ogasawara and Noriyuki Satoh. 2024. scRNA-seq analysis of cells comprising the amphioxus notochord. *Developmental Biology*. [DOI](#)
839. Takahashi, Junta, Kawai, Hisashi, Suzuki, Hiroyuki, Fujiwara, Yoshinori, Watanabe, Yutaka, Hirano, Hirohiko, Kim, Hunkyoung, Ihara, Kazushige, Miki, Akiko and Obuchi, Shuichi. 2020. Development and validity of the computer-based cognitive assessment tool for intervention in community-dwelling older individuals. *Geriatrics & Gerontology International*. [DOI](#)
840. Takahashi, Tomoyuki. 2015. Strength and precision of neurotransmission at mammalian presynaptic terminals. *Proceedings of the Japan Academy, Series B*. [DOI](#)
841. Takahashi, Tomoyuki. 2019. Presynaptic black box opened by pioneers at Biophysics Department in University College London. *Neuroscience*. [DOI](#)
842. Takahashi, Yuta, Shingo Murata, Masao Ueki, Hiroaki Tomita and Yuichi Yamashita. 2023. Interaction between Functional Connectivity and Neural Excitability in Autism: A Novel Framework for Computational Modeling and Application to Biological Data. *Computational Psychiatry*. [URL](#)
843. Takahata, Yugo and Miyakawa Hitoshi. 2022. Developmental Staging of Sexual Egg Formation in *Daphnia pulex*: Unmated Females Resorb Meiotic Oocytes to Resist Starvation. *Zoological Science*. [DOI](#)
844. Takami, Chihiro, Kohgaku Eguchi, Tetsuya Hori and Tomoyuki Takahashi. 2016. Impact of vesicular glutamate leakage on synaptic transmission at the calyx of Held. *Journal of Physiology*. [DOI](#)

845. Takaoka, Shohei, Akiko Yanagiya, Haytham Mohamed Aly Mohamed, Rei Higa, Takaya Abe, Ken-ichi Inoue, Akinori Takahashi, Patrick Stoney and Tadashi Yamamoto. 2021. Neuronal XRN1 is required for maintenance of whole-body metabolic homeostasis. *iScience*. [DOI](#)
846. Takashina, Nao. 2021. Long-Term Conservation Effects of Protected Areas in Stochastic Population Dynamics. *Frontiers in Ecology and Evolution*. [DOI](#)
847. Takashina, Nao. 2020. On the spillover effect and optimal size of marine reserves for sustainable fishing yields. *PeerJ*. [DOI](#)
848. Takato, Yoichi, Michael E. Benson and Surajit Sen. 2018. Small nanoparticles, surface geometry and contact forces. *Proceedings of the Royal Society A Mathematical, Physical and Engineering Sciences*. [DOI](#)
849. Takatsuki, Kensaku, Toyoshi Yanagihara, Ayaka Egashira, Naruhiko Ogo, Seiji Yoshizawa, Syunya Sunami, Tatsuma Asoh and Takashige Maeyama. 2021. A rare case of pembrolizumab-induced dermatomyositis in a patient with a cancer of unknown primary. *American Journal of Case Reports*. [DOI](#)
850. Takeda, Kojiro, Caroline Starzynski, Ayaka Mori and Mitsuhiro Yanagida. 2015. The critical glucose concentration for respiration-independent proliferation of fission yeast, *Schizosaccharomyces pombe*. *Mitochondrion*. [DOI](#)
851. Takeuchi, Masaaki. 2024. Can artificial intelligence-derived left ventricular ejection fraction supplant manual measurements of left ventricular ejection fraction in daily practice? *International Journal of Cardiology*. [DOI](#)
852. Takeuchi, Masaaki, Akina Esaki, Yukie Higa and Akemi Nakazono. 2022. Temporal changes in spike IgG levels after two doses of BNT162b2 vaccine in Japanese healthcare workers: Do spike IgG levels at 3 months predict levels 6 or 8 months after vaccination? *PLoS ONE*. [DOI](#)
853. Takeuchi, Masaaki. 2022. Left atrial strain: An option to facilitate classification of diastolic dysfunction grade? *International Journal of Cardiology*. [DOI](#)
854. Takeuchi, Masaaki, Yukie Higa, Akina Esaki, Yosuke Nabeshima and Akemi Nakazono. 2021. Does reactogenicity after a second injection of the BNT162b2 vaccine predict spike IgG antibody levels in healthy Japanese subjects? *PLOS ONE*. [DOI](#)
855. Takeuchi, Masaaki, Yosuke Nabeshima, Tetsuji Kitano and Kazuaki Negishi. 2021. Prognostic value of the left ventricular - left atrial volume ratio assessed using three-dimensional echocardiography with fully automated analytical software. *Journal of Cardiology*. [DOI](#)
856. Takeuchi, Takeshi, Yoshihiko Suzuki, Shugo Watabe, Kiyohito Nagai, Tetsuji Masaoka, Manabu Fujie, Mayumi Kawamitsu, Noriyuki Satoh and Eugene W. Myers. 2022. A high-quality, haplotype-phased genome reconstruction reveals unexpected haplotype diversity in a pearl oyster. *DNA Research*. [DOI](#)
857. Takeuchi, Takeshi, Laurent Plasseraud, Isabelle Ziegler-Devin, Nicolas Brosse, Chuya Shinzato, Noriyuki Satoh and Frédéric Marin. 2018. Biochemical

characterization of the skeletal matrix of the massive coral, *Porites australiensis* – The saccharide moieties and their localization. *Journal of Structural Biology*. [DOI](#)

858. Takeuchi, Takeshi, Lixy Yamada, Chuya Shinzato, Hitoshi Sawada and Noriyuki Satoh. 2016. Stepwise evolution of coral biomineralization revealed with genome-wide proteomics and transcriptomics. *PLoS One*. [DOI](#)
859. Takeuchi, Takeshi, Ryo Koyanagi, Fuki Gyoja, Miyuki Kanda, Kanako Hisata, Manabu Fujie, Hiroki Goto, Shinichi Yamasaki, Kiyohito Nagai, Yoshiaki Morino, Hiroshi Miyamoto, Kazuyoshi Endo, Hirotoshi Endo, Hiromichi Nagasawa, Shigeharu Kinoshita, Shuichi Asakawa, Shugo Watabe, Noriyuki Satoh and Takeshi Kawashima. 2016. Bivalve-specific gene expansion in the pearl oyster genome: implications of adaptation to a sessile lifestyle. *Zoological Letters*. [DOI](#)
860. Takeuchi, Takeshi, Tetsuji Masaoka, Hideo Aoki, Ryo Koyanagi, Manabu Fujie and Noriyuki Satoh. 2019. Divergent northern and southern populations and demographic history of the pearl oyster in the western Pacific revealed with genomic SNPs. *Evolutionary Applications*. [DOI](#)
861. Takeuchi, Takeshi. 2017. Molluscan Genomics: Implications for Biology and Aquaculture. *Current Molecular Biology Reports*. [DOI](#)
862. Takeshige, Yuya, Seung Chik Jwa, Yasushi Hirota, Yutaka Osuga, Takeshi Kuramoto, Yasuyuki Mio, Kenji Furui, Masayuki Kinutani, Masahide Shiotani, Yoshimasa Asada, Hirobumi Kamiya, Hiroaki Yoshida, Hideki Igarashi and Koichi Kyono. 2023. Clinical outcomes of personalized blastocyst embryo transfer after endometrial receptivity analysis: A multicenter, retrospective cohort study. *Reproductive Medicine and Biology*. [DOI](#)
863. Tamai, Miho, Seita Taba, Takeshi Mise, Masao Yamashita, Hiroki Ishikawa and Tsumoru Shintake. 2023. Ethanol vapor inhalation treatment inhibits lethal respiratory viral infection with Influenza A. *Journal of Infectious Diseases*. [DOI](#)
864. Tan, Choo Hock, Kae Yi Tan, Shin Yee Fung and Nget Hong Tan. 2015. Venom-gland transcriptome and venom proteome of the Malaysian king cobra (*Ophiophagus hannah*). *BMC Genomics*. [DOI](#)
865. Tanaka, Fujie. 2016. Enzymes and organocatalysts. CSJ Current Review. The Chemistry of Organocatalysis, Kagakudojin, Kyoto.
866. Tanaka, Saori C., Ayumu Yamashita, Noriaki Yahata, Takashi Itahashi, Giuseppe Lisi, Takashi Yamada, Naho Ichikawa, Masahiro Takamura, Yujiro Yoshihara, Akira Kunimatsu, Naohiro Okada, Ryuichiro Hashimoto, Go Okada, Yuki Sakai, Jun Morimoto, Jin Narumoto, Yasuhiro Shimada, Hiroaki Mano, Wako Yoshida, Ben Seymour, Takeshi Shimizu, Koichi Hosomi, Youichi Saitoh, Kiyoto Kasai, Nobumasa Kato, Hidehiko Takahashi, Yasumasa Okamoto, Okito Yamashita, Mitsuo Kawato and Hiroshi Imamizu. 2021. A multi-site,

multi-disorder resting-state magnetic resonance image database. *Scientific Data*. [DOI](#)

867. Tanaka, Shogo, Yurika Ono, Shin-ichiro Tanimae, Toru Moriyama, Shingo Fujimoto and Mitsuharu Yagi. 2023. Metabolic responses to food and temperature in deep-sea isopods, Bathynomus doederleini. *Deep Sea Research Part I: Oceanographic Research Papers*. [DOI](#)
868. Tanaka, Toshinori, Yoshito Oshima, Kengo Tomita, Hiroyuki Nakagawa, Tadashi Nishikimi, Rumiko Hayashi, and Takaaki Harada. 2022. *Health and Safety Management in Academia. A Prime for Principal Investigators and Those Seeking Careers in Academic Research*, Maruzen Publishing Co., Ltd., 127 pages.
869. Tanaka, Toshinori, Nobukazu Tanaka, Yukio Nagano, Hirotaka Kanuka, Daisuke S. Yamamoto, Natsuko Yamamoto, Eiji Nanba and Takumi Nishiuchi. 2019. Efforts to enhance safety measures for CRISPR/Cas-based gene drive technology in Japan. *Journal of Environment and Safety*. [DOI](#)
870. Tang, Patrick, Mohammad R. Hasan, Hiam Chemaitelly, Hadi M. Yassine, Fatiha M. Benslimane, Hebah A. Al Khatib, Sawsan AlMukdad, Peter Coyle, Houssein H. Ayoub, Zaina Al Kanaani, Einas Al Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al Kuwari, Hamad Eid Al Romaihi, Adeel A. Butt, Mohamed H. Al-Thani, Abdullatif Al Khal, Roberto Bertollini and Laith J. Abu-Raddad. 2021. BNT162b2 and mRNA-1273 COVID-19 vaccine effectiveness against the SARS-CoV-2 Delta variant in Qatar. *Nature Medicine*. [DOI](#)
871. Taoufiq, Z., Ninov, M., Villar-Briones, A., Wang, H.-Y., Sasaki, T., Roy, M.C., Beauchain, F., Mori, Y., Yoshida, T., Takamori, S., Jahn, R., Takahashi, T., 2020. Hidden proteome of synaptic vesicles in the mammalian brain. *Proceedings of the National Academy of Sciences*. [DOI](#)
872. Taoufiq, Zacharie Mehdi Francois, Kohgaku Eguchi and Tomoyuki Takahashi. 2013. Rho-kinase accelerates synaptic vesicle endocytosis by linking cyclic GMP-dependent protein kinase activity to phosphatidylinositol-4,5-bisphosphate synthesis. *Journal of Neuroscience*. [DOI](#)
873. Tayar, Elias, Sami Abdeen, Muna Abed Alah, Hiam Chemaitelly, Iheb Bougmiza, Houssein H. Ayoub, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hamad Eid Al-Romaihi, Mohamed H. Al-Thani, Roberto Bertollini, Laith J. Abu-Raddad and Abdullatif Al-Khal. 2023. Effectiveness of influenza vaccination against SARS-CoV-2 infection among healthcare workers in Qatar. *Journal of Infection and Public Health*. [DOI](#)
874. Techer, Maéva Angelique, Johanna Clémencet, Christophe Simiand, Patrick Turpin, Lionel Garnery, Bernard Reynaud and Hélène Delatte. 2017. Genetic diversity and differentiation among insular honey bee populations in the southwest Indian Ocean likely reflect old geographical isolation and modern introductions. *PLoS One*. [DOI](#)

875. Techer, Maeva Angelique, Rahul V. Rane, Miguel L. Grau, John M. K. Roberts, Shawn T. Sullivan, Ivan Liachko, Anna K. Childers, Jay D. Evans and Alexander S. Mikheyev. 2019. Divergent evolutionary trajectories following speciation in two ectoparasitic honey bee mites. *Communications Biology*. [DOI](#)
876. Terribile, Levi Carina, Guilherme de Oliveira, Matheus de Souza Lima-Ribeiro, Darlan Tavares Feitosa, Alejandro R. Giraudo, Márcio Borges Martins, Vanesa Arzamendia, Matheus Godoy Pires, Jr. Silva, Nelson Jorge da, Julio Cesar de Moura Leite, Francisco Luis Franco, Renato Silveira Bérnuls and José Alexandre Felizola Diniz-Filho. 2020. Macroecology and conservation of South American coralsnakes, Chapter 9, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
877. Teruya, Takayuki, Sumito Sunagawa, Ayaka Mori, Hiroaki Masuzaki and Mitsuhiro Yanagida. 2023. Markers for obese and non-obese Type 2 diabetes identified using whole blood metabolomics. *Scientific Reports*. [DOI](#)
878. Teruya, Takayuki, Haruhisa Goga and Mitsuhiro Yanagida. 2021. Human age-declined saliva metabolic markers determined by LC-MS. *Scientific Reports*. [DOI](#)
879. Teruya, Takayuki, Yung-Ju Chen, Hiroshi Kondoh, Yasuhide Fukuji and Mitsuhiro Yanagida. 2021. Whole-blood metabolomics of dementia patients reveal classes of disease-linked metabolites. *Proceedings of the National Academy of Sciences*. [DOI](#)
880. Teruya, Takayuki, Romanas Chaleckis, Junko Takada, Mitsuhiro Yanagida and Hiroshi Kondoh. 2019. Diverse metabolic reactions activated during 58-hr fasting are revealed by non-targeted metabolomic analysis of human blood. *Scientific Reports*. [DOI](#)
881. Teruya, Takayuki, Haruhisa Goga and Mitsuhiro Yanagida. 2020. Aging markers in human urine: A comprehensive, non-targeted LC-MS study. *FASEB BioAdvances*. [DOI](#)
882. Thinn, Aye Aye and Yooichi Kainoh. 2022. Effect of Diet on the Longevity and Oviposition Performance of Black Soldier Flies, *Hermetia illucens* (Diptera: Stratiomyidae). *Japan Agricultural Research Quarterly*. [URL](#)
883. Thomas, Maki, Yuichi Nakajima and Satoshi Mitarai. 2022. Extremely Stochastic Connectivity of Island Mangroves. *Frontiers in Marine Science*. [DOI](#)
884. Tian, Qingyuan, Lars-Göran Öfverstedt and Ulf Skoglund. 2017. Semi-automatically aligned tilt images in electron tomography. *IEEE Explore*. [DOI](#)
885. Tin, Mandy Man-Ying, Evan Philip Economo and Alexander S. Mikheyev. 2014. Sequencing degraded DNA from non-destructively sampled museum specimens for RAD-tagging and low-coverage shotgun phylogenetics. *PLoS One*. [DOI](#)

886. Tin, Mandy Man-Ying, F. E. Rheindt, E. Cros and Alexander S. Mikheyev. 2015. Degenerate adaptor sequences for detecting PCR duplicates in reduced representation sequencing data improve genotype calling accuracy. *Molecular Ecology Resources*. [DOI](#)
887. Tokuda, Tomoki and Hirohiko Shimada. 2019. Classes of low-frequency earthquakes based on inter-time distribution reveal a precursor event for the 2011 Great Tohoku Earthquake. *Scientific Reports*. [DOI](#)
888. Tokuda, Tomoki, Junichiro Yoshimoto, Yu Shimizu, Go Okada, Masahiro Takamura, Yasumasa Okamoto, Shigeto Yamawaki and Kenji Doya. 2017. Multiple co-clustering based on nonparametric mixture models with heterogeneous marginal distributions. *PLoS One*. [DOI](#)
889. Tokuda, Tomoki, Junichiro Yoshimoto, Yu Shimizu, Go Okada, Masahiro Takamura, Yasumasa Okamoto, Shigeto Yamawaki and Kenji Doya. 2018. Identification of depression subtypes and relevant brain regions using a data-driven approach. *Scientific Reports*. [DOI](#)
890. Tokuda, Tomoki. 2018. Statistical test for detecting community structure in real-valued edge-weighted graphs. *PLoS One*. [DOI](#)
891. Tokuoka, Miki and Yutaka Satou. 2023. A digital twin reproducing gene regulatory network dynamics of early Ciona embryos indicates robust buffers in the network. *PLoS Genetics*. [DOI](#)
892. Tomida, Shota, Tamaki Ishima, Daigo Sawaki, Yasushi Imai, Ryozo Nagai and Kenichi Aizawa. 2023. Multi-Omics of Familial Thoracic Aortic Aneurysm and Dissection: Calcium Transport Impairment Predisposes Aortas to Dissection. *International Journal of Molecular Sciences*. [DOI](#)
893. Tominaga, Hitoshi, Koki Nishitsuji and Noriyuki Satoh. 2023. A single-cell RNA-seq analysis of early larval cell-types of the starfish, *Patiria pectinifera*: Insights into evolution of the chordate body plan. *Developmental Biology*. [DOI](#)
894. Tominaga, Hitoshi, Noriyuki Satoh, Naoto Ueno and Hiroki Takahashi. 2018. Enhancer activities of amphioxus Brachyury genes in embryos of the ascidian, *Ciona intestinalis*. *Genesis*. [DOI](#)
895. Tominari, Tsukasa and Yoshitsugu Aoki. 2022. Clinical development of novel therapies for Duchenne muscular dystrophy—Current and future. *Neurology and Clinical Neuroscience*. [DOI](#)
896. Toscano, Carla Fabiana and Saad Lahlou. 2003. Blood pressure effects of intravenous apomorphine in conscious deoxycorticosterone-acetate salt-hypertensive rats. *Journal of Cardiovascular Pharmacology*. [DOI](#)
897. Tourki, Bochra, Anais Dumesnil, Elise Belaidi, Slim Ghrir, Diane Godin-Ribuot, Naziha Marrakchi, Vincent Richard, Paul Mulder and Erij Messadi. 2019. Lebetin 2, a Snake Venom-Derived B-Type Natriuretic Peptide, Provides Immediate and Prolonged Protection against Myocardial Ischemia-

Reperfusion Injury via Modulation of Post-Ischemic Inflammatory Response.
Toxins (Basel). [DOI](#)

898. Toyoda, Ryojun, Naoya Fukui, Dionisius H. L. Tjhe, Ekaterina Selezneva, Hiroaki Maeda, Cédric Bourgès, Choon Meng Tan, Kenji Takada, Yuanhui Sun, Ian Jacobs, Kazuhide Kamiya, Hiroyasu Masunaga, Takao Mori, Sono Sasaki, Henning Sirringhaus and Hiroshi Nishihara. 2022. Heterometallic Benzenehexathiolato Coordination Nanosheets: Periodic Structure Improves Crystallinity and Electrical Conductivity. *Advanced Materials*. [DOI](#)
899. Toyoda, Yusuke and Shigeaki Saitoh. 2021. Fission Yeast TORC2 Signaling Pathway Ensures Cell Proliferation under Glucose-Limited, Nitrogen-Replete Conditions. *Biomolecules*. [DOI](#)
900. Toyoda, Yusuke, Saeko Soejima, Fumie Masuda and Shigeaki Saitoh. 2021. TORC2 inhibition of α -arrestin Aly3 mediates cell surface persistence of *S. pombe* Ght5 glucose transporter in low glucose. *Journal of Cell Science*. [DOI](#)
901. Tran, Hau Duc, Midori Iida and Ken Maeda. 2017. Downstream migration of newly-hatched ayu (*Plecoglossus altivelis*) in the Tien Yen River of northern Vietnam. *Environmental Biology of Fishes*. [DOI](#)
902. Travaglia Cardoso, Silvia Regina, Angélica Gomes da Silva and Giuseppe Puerto. 2020. Maintenance and reproductive behavior of *Micrurus corallinus* in captivity, Chapter 11, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA, ISBN: 978-0-9720154-6-2
903. Tsai, Hsieh-Fu, Joanna Gajdac, Tyler Sloan, Andrei Rarese and Amy Q. Shen. 2019. Usiigaci: Label-free instance-aware cell tracking under phase contrast microscopy using machine learning. *SoftwareX*. [DOI](#)
904. Tsai, Hsieh-Fu, Kazumi Toda-Peters and Amy Q. Shen. 2019. Glioblastoma adhesion in a quick-fit hybrid microdevice. *Biomed Microdevices*. [DOI](#)
905. Tsuchiya, Kenta, Hisato Hayashi, Momoko Nishina, Masako Okumura, Yoshikatsu Sato, Masato T. Kanemaki, Gohta Goshima and Tomomi Kiyomitsu. 2020. Ran-GTP Is Non-essential to Activate NuMA for Mitotic Spindle-Pole Focusing but Dynamically Polarizes HURP Near Chromosomes. *Current Biology*. [DOI](#)
906. Tsuchiya, Kojin, Yuna Zayasu, Yuichi Nakajima, Nana Arakaki, Go Suzuki, Noriyuki Satoh and Chuya Shinzato. 2022. Genomic analysis of a reef-building coral, *Acropora digitifera*, reveals complex population structure and a migration network in the Nansei Islands, Japan. *Molecular Ecology*. [DOI](#)
907. Tsukano, Kohei, Takayoshi Yamamoto, Tomoko Watanabe and Tatsuo Michiue. 2022. *Xenopus Dusp6* modulates FGF signaling to precisely pattern pre-placodal ectoderm. *Developmental Biology*. [DOI](#)
908. Uchida, Taiga, Yuki Yoshioka, Yu Yoshida, Manabu Fujie, Ayuta Yamaki, Akira Sasaki, Koji Inoue and Chuya Shinzato. 2023. Genomic and transcriptomic

analyses illuminate the molecular basis of the unique lifestyle of a tubeworm, *Lamellibrachia satsuma*. *DNA Research*. [DOI](#)

909. Ueda, Koji, Takeshi Yamada, Ryo Ohta, Akihisa Matsuda, Hiromichi Sonoda, Sho Kuriyama, Goro Takahashi, Takuma Iwai, Kohki Takeda, Toshimitsu Miyasaka, Seiichi Shinji, Noriyasu Chika, Hideyuki Ishida and Hiroshi Yoshida. 2022. BRAF V600E mutations in right-side colon cancer: Heterogeneity detected by liquid biopsy. *European Journal of Surgical Oncology*. [DOI](#)
910. Uehara, Lisa, Saitoh, Shigeaki, Mori, Ayaka, Sajiki, Kenichi, Toyoda, Yusuke, Masuda, Fumie, Soejima, Saeko, Tahara, Yuria and Yanagida, Mitsuhiro. Multiple nutritional phenotypes of fission yeast mutants defective in genes encoding essential mitochondrial proteins. *Open Biology*. [DOI](#)
911. Ueki, Tatsuya, Arimoto Asuka, Tagawa Kuni and Satoh Noriyuki. 2019. Xenacoelomorph-specific Hox peptides: Insights into the phylogeny of Acoels, Nemertodermatids, and Xenoturbellids. *Zoological Science*. [DOI](#)
912. Ueki, Tatsuya, Manabu Fujie, Rmaidi and Noriyuki Satoh. 2019. Symbiotic bacteria associated with ascidian vanadium accumulation identified by 16S rRNA amplicon sequencing. *Marine Genomics*. [DOI](#)
913. Ullah, Anwar, Kifayat Ullah, Hamid Ali, Christian Betzel and Shafiq ur Rehman. 2019. The Sequence and a Three-Dimensional Structural Analysis Reveal Substrate Specificity Among Snake Venom Phosphodiesterases. *Toxins (Basel)*. [DOI](#)
914. Valdez-Velázquez, Laura L., Jimena Cid-Uribe, Maria Teresa Romero-Gutierrez, Timoteo Olamendi-Portugal, Juana Maria Jimenez-Vargas and Lourival D. Possani. 2020. Transcriptomic and proteomic analyses of the venom and venom glands of *Centruroides hirsutipalpus*, a dangerous scorpion from Mexico. *Toxicon*. [DOI](#)
915. Villa Martin, Paula, Miguel A. Munoz and Simone Pigolotti. 2019. Bet-hedging strategies in expanding populations. *PLoS Computational Biology*. [DOI](#)
916. Villar-Briones, Alejandro and Steven D. Aird. 2021. Small molecular constituents of snake venoms. *Handbook of Venoms and Toxins of Reptiles*, CRC Press, Boca Raton.
917. Villar-Briones, Alejandro and Steven D. Aird. 2018. Organic and peptidyl constituents of snake venoms: The picture is vastly more complex than we imagined. *Toxins (Basel)*. [DOI](#)
918. Vuolo Marques, Otávio Augusto and Ivan Sazima. 2020. The natural history of New World coralsnakes, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
919. Wada, Fumiya, Yasuyuki Arai, Tomoyasu Jo, Chisaki Mizumoto, Junya Kanda, Toshio Kitawaki, Momoko Nishikori, Kouhei Yamashita and Akifumi Takaori-Kondo. 2023. Impact of Antimicrobial Drug-Drug Interactions on

Acute Kidney Injury after Allogeneic Hematopoietic Cell Transplantation.
Transplantation and Cellular Therapy. [DOI](#)

920. Wada, Fumiya, Tomoyasu Jo, Yasuyuki Arai, Toshio Kitawaki, Chisaki Mizumoto, Junya Kanda, Momoko Nishikori, Kouhei Yamashita, Miki Nagao and Akifumi Takaori-Kondo. 2022. T-cell counts in peripheral blood at leukapheresis predict responses to subsequent CAR-T cell therapy. *Scientific Reports.* [DOI](#)
921. Wakabayashi, Seiji, Takayuki Arie, Seiji Akita, Kohei Nakajima and Kuniharu Takei. 2022. A Multitasking Flexible Sensor via Reservoir Computing. *Advanced Materials.* [DOI](#)
922. Wang, Han-Ying, Kohgaku Eguchi, Takayuki Yamashita and Tomoyuki Takahashi. 2020. Frequency-Dependent Block of Excitatory Neurotransmission by Isoflurane via Dual Presynaptic Mechanisms. *The Journal of Neuroscience.* [DOI](#)
923. Wang, Junfeng, Eijiro Maeda, Yuki Tsujimura, Takaya Abe, Hiroshi Kiyonari, Tetsuya Kitaguchi, Hideo Yokota and Takeo Matsumoto. 2023. In situ FRET measurement of cellular tension using conventional confocal laser microscopy in newly established reporter mice expressing actinin tension sensor. *Scientific Reports.* [DOI](#)
924. Wang, Ling-Yu, Sheng-Jun Xiao, Hiroyuki Kunimoto, Kazuaki Tokunaga, Hirotada Kojima, Masatsugu Kimura, Takahiro Yamamoto, Naoki Yamamoto, Hong Zhao, Koji Nishio, Tokio Tani, Koichi Nakajima, Kishiko Sunami and Akira Inoue. 2021. Sequestration of RBM10 in Nuclear Bodies: Targeting Sequences and Biological Significance. *International Journal of Molecular Sciences.* [DOI](#)
925. Wang, Sheng-Hao, Yan Jiang, Emilio José Juarez-Perez, Luis K. Ono and Yabing Qi. 2016. Accelerated degradation of methylammonium lead iodide perovskites induced by exposure to iodine vapour. *Nature Energy.* [DOI](#)
926. Wang, Yi-Siang, Chun-I Wang, Chou-Hsun Yang and Chao-Ping Hsu. 2023. Machine-learned dynamic disorder of electron transfer coupling. *Journal of Chemical Physics.* [DOI](#)
927. Watanabe, Hiroshi. 2017. Back Through Time: How Cnidarians and Basal Metazoans Shed Light on Ancient Nervous Systems. *Brain Evolution by Design: From Neural Origin to Cognitive Architecture, Springer Japan, Tokyo.* [DOI](#)
928. Watanabe, Minoru, Yuuri Yasuoka, Shuuji Mawaribuchi, Aya Kuretani, Michihiko Ito, Mariko Kondo, Haruki Ochi, Hajime Ogino, Akimasa Fukui, Masanori Taira and Tsutomu Kinoshita. 2016. Conservatism and variability of gene expression profiles among homeologous transcription factors in *Xenopus laevis*. *Developmental Biology.* [DOI](#)
929. Wepfer, Patricia H., Yuichi Nakajima, Francis K. C. Hui, Satoshi Mitarai and Evan P. Economo. 2020. Metacommunity ecology of Symbiodiniaceae hosted by the coral *Galaxea fascicularis*. *Marine Ecology Progress Series.* [DOI](#)

930. Wilken, Gunnar. 2021. Pure Σ_2 -elementarity beyond the core. *Annals of Pure and Applied Logic*. [DOI](#)
931. Wilken, Gunnar. 2017. Pure patterns of order 2. *Annals of Pure and Applied Logic*. [DOI](#)
932. Wilken, Gunnar. 2017. Tracking chains revisited (revised). *Sets and Computations, Lecture Notes Series*. [DOI](#)
933. Wilken, Gunnar. 2020. A glimpse of Σ_3 -elementarity. *The Legacy of Kurt Schütte*, Springer International Publishing, Cham. [DOI](#)
934. Wirkuttis, Nadine, Wataru Ohata and Jun Tani. 2023. Turn-Taking Mechanisms in Imitative Interaction: Robotic Social Interaction Based on the Free Energy Principle. *Entropy*. [DOI](#)
935. Wirkuttis, Nadine and Jun Tani. 2021. Leading or Following? Dyadic Robot Imitative Interaction Using the Active Inference Framework. *IEEE Robotics and Automation Letters*. [URL](#)
936. Wu, Kuo-Hui, Ryota Sakamoto, Hiroaki Maeda, Eunice J. Phua and Hiroshi Nishihara. 2021. Ultralong π -Conjugated Bis(terpyridine)metal Polymer Wires Covalently Bound to a Carbon Electrode: Fast Redox Conduction and Redox Diode Characteristics. *Molecules*. [DOI](#)
937. Wu, Kuo-Hui, Ryota Sakamoto, Hiroaki Maeda, Eunice J. Phua and Hiroshi Nishihara. 2021. Ultralong π -Conjugated Bis(terpyridine)metal Polymer Wires Covalently Bound to a Carbon Electrode: Fast Redox Conduction and Redox Diode Characteristics. *Molecules*. [DOI](#)
938. Wu, Kuo-Hui, Jian Cao, Tigmansu Pal, Huaipu Yang and Hiroshi Nishihara. 2021. Electrochemically Synthesized Bis(diimino)metal Coordination Nanosheets as Ultrastable Electrocatalysts for Hydrogen Evolution Reaction. *ACS Applied Energy Materials*. [DOI](#)
939. Wu, Victor Chien-Chia, Tetsuji Kitano, Pao-Hsien Chu and Masaaki Takeuchi. 2022. Left ventricular volume and ejection fraction measurements by fully automated 3D echocardiography left chamber quantification software versus CMR: A systematic review and meta-analysis. *Journal of Cardiology*. [DOI](#)
940. Wu, Wen-Yi, Yawei Cheng, Keng-Chen Liang, Ray X Lee and Chen-Tung Yen. 2023. Affective mirror and anti-mirror neurons relate to prosocial help in rats. *iScience*. [DOI](#)
941. Wu, Yiming, Xu, Jiahui, Qin, Xian, Xu, Jun and Liu, Xiaogang. 2021. Dynamic upconversion multicolour editing enabled by molecule-assisted opto-electrochemical modulation. *Nature Communications*. [DOI](#)
942. Wu, Yu-Ling, Jui-Chih Chang, Hai-Lun Sun, Wen-Ling Cheng, Yu-Pei Yen, Yong-Shiou Lin, Yi-Chun Chao, Ko-Hung Liu, Ching-Shan Huang, Kai-Li Liu and Chin-San Liu. 2022. Coenzyme Q10 Supplementation Increases Removal of the ATXN3 Polyglutamine Repeat, Reducing Cerebellar Degeneration and

Improving Motor Dysfunction in Murine Spinocerebellar Ataxia Type 3.
Nutrients. [DOI](#)

943. Wu, Yu-Ling, Jui-Chih Chang, Yi-Chun Chao, Hardy Chan, Mingli Hsieh and Chin-San Liu. 2022. In Vitro Efficacy and Molecular Mechanism of Curcumin Analog in Pathological Regulation of Spinocerebellar Ataxia Type 3. *Antioxidants.* [DOI](#)
944. Wuttke, Michael, ZhaoYang Liu, Hao Lu, Akimitsu Narita and Klaus Müllen. 2019. Direct metal-free chemical vapor deposition of graphene films on insulating substrates for micro-supercapacitors with high volumetric capacitance. *Batteries & Supercaps.* [DOI](#)
945. Xu, Jun, Chao Shen, Xian Qin, Jie Wu, Pengfei Zhang and Xiaogang Liu. 2021. Oxidative Sulfonylation of Hydrazones Enabled by Synergistic Copper/Silver Catalysis. *Journal of Organic Chemistry.* [DOI](#)
946. Xu, Xingya and Mitsuhiro Yanagida. 2023. Cohesin organization, dynamics, and subdomain functions revealed by genetic suppressor screening. *Proceedings of the Japan Academy, Series B.* [DOI](#)
947. Xu, Xingya, Ryuta Kanai, Li Wang and Mitsuhiro Yanagida. 2022. Cohesin ATPase activities regulate DNA binding and coiled-coil configuration. *Proceedings of the National Academy of Sciences.* [DOI](#)
948. Xu, Xingya, Ryuta Kanai, Li Wang and Mitsuhiro Yanagida. Single amino acid substitutions in hydrophobic cores at a head-coiled coil junction region of cohesin facilitate its release of DNA during anaphase. *Open Biology.* [DOI](#)
949. Xu, Xingya and Mitsuhiro Yanagida. 2019. Isolation of Fission Yeast Condensin Temperature-Sensitive Mutants with Single Amino Acid Substitutions Targeted to Hinge Domain. *G3: Genes | Genomes | Genetics.* [DOI](#)
950. Xu, Xingya and Mitsuhiro Yanagida. 2019. Suppressor screening reveals common kleisin-hinge interaction in condensin and cohesin, but different modes of regulation. *Proceedings of the National Academy of Sciences USA.* [DOI](#)
951. Xu, Xingya, Li Wang and Mitsuhiro Yanagida. 2018. Whole-genome sequencing of suppressor DNA mixtures identifies pathways that compensate for chromosome segregation defects in *Schizosaccharomyces pombe*. *G3: Genes | Genomes | Genetics.* [DOI](#)
952. Xu, Xingya, Norihiko Nakazawa and Mitsuhiro Yanagida. 2015. Condensin HEAT subunits required for DNA repair, kinetochore/centromere function and ploidy maintenance in fission yeast. *PLoS One.* [DOI](#)
953. Xu, Xingya, Ryuta Kanai, Norihiko Nakazawa, Li Wang, Chikashi Toyoshima and Mitsuhiro Yanagida. 2018. Suppressor mutation analysis combined with 3D modeling explains cohesin's capacity to hold and release DNA. *Proceedings of the National Academy of Sciences USA.* [DOI](#)
954. Xu, Xinya, Norihiko Nakazawa, Li Wang, Orie Arakawa and Mitsuhiro Yanagida. 2019. Negative Regulation of the Mis17-Mis6 Centromere Complex by

mRNA Decay Pathway and EKC/KEOPS Complex in *Schizosaccharomyces pombe*. *G3: Genes | Genomes | Genetics*. [DOI](#)

955. Xuan, Yan, Hyuga Hara, Satoko Honda, Yanpeng Li, Yusuke Fujita, Takayuki Arie, Seiji Akita and Kuniharu Takei. 2022. Wireless, minimized, stretchable, and breathable electrocardiogram sensor system. *Applied Physics Reviews*. [DOI](#)
956. Xue, Ziqiu. 2023. Master Planning, 1, In: *Overview of Geological CO₂ Storage*, Geological Carbon Dioxide Storage Technology Research Association. [PDF](#)
957. Xue, Ziqiu. 2023. Selection of Storage Sites, 2, In: *Practical Guidance for Geological CO₂ Storage*, Geological Carbon Dioxide Storage Technology Research Association. [PDF](#)
958. Yabe, Taijiro, Koichiro Uriu and Shinji Takada. 2023. Ripply suppresses Tbx6 to induce dynamic-to-static conversion in somite segmentation. *Nature Communications*. [DOI](#)
959. Yagi, Mitsuharu, Yurika Ono and Toshiya Kawaguchi. 2022. Microplastic pollution in aquatic environments may facilitate misfeeding by fish. *Environmental Pollution*. [DOI](#)
960. Yamada, Takeshi, Keiji Hirata, Daisuke Ichikawa, Masataka Ikeda, Fumihiro Fujita, Ken Eto, Norio Yukawa, Yutaka Kojima, Akihisa Matsuda, Rai Shimoyama, Hideto Ochiai, Kensuke Kumamoto, Yuichi Takayama, Akira Komono, Hiromichi Sonoda, Ryo Ohta, Yasuyuki Yokoyama, Hiroshi Yoshida, Masaki Kaibori and Ichiro Takemasa. 2022. Clinical impact of laparoscopic surgery and adhesion prevention material for prevention of small bowel obstruction. *Annals of Gastroenterological Surgery*. [DOI](#)
961. Yamada, Takeshi, Akihisa Matsuda, Goro Takahashi and Hiroshi Yoshida. 2022. Oncological Risk of Colonic Stents Used as Bridge to Surgery for Left-Side Malignant Colonic Obstructions. *Annals of Surgical Oncology*. [DOI](#)
962. Yamada, Yosuke, Nirav Patel, Hideki Fukuda, Toshi Nagata, Satoshi Mitarai and Farooq Azam. 2023. Bacterial surface roughness regulates nanoparticle scavenging in seawater. *Limnology and Oceanography*. [DOI](#)
963. Yamada, Yosuke, Hideki Fukuda, Yu Umezawa and Toshi Nagata. 2021. Geographic Variation of Particle Size Distribution in the Kuroshio Region: Possible Causes in the Upper Water Column. *Frontiers in Marine Science*. [DOI](#)
964. Yamamoto, Haruko, Tetsuya Kusakabe and Mimei Takahashi. 2022. A Different Case of Penumbra: A Japanese Framework for Safe and Expedited Access to High-risk Medical Devices. *JAMA Internal Medicine*. [DOI](#)
965. Yamamoto, Takayoshi, Toki Kaneshima, Kohei Tsukano and Tatsuo Michiue. 2023. The heparan sulfate modification enzyme, Hs6st1, governs Xenopus neuroectodermal patterning by regulating distributions of Fgf and Noggin. *Developmental Biology*. [DOI](#)
966. Yamamoto, Takayoshi, Yuta Kambayashi, Kohei Tsukano and Tatsuo Michiue. 2023. Ndst1, a heparan sulfate modification enzyme, regulates

neuroectodermal patterning by enhancing Wnt signaling in *Xenopus*. *Development, Growth & Differentiation*. [DOI](#)

967. Yamamoto, Takayoshi, Toki Kaneshima, Kohei Tsukano and Tatsuo Michiue. 2023. The heparan sulfate modification enzyme, Hs6st1, governs *Xenopus* neuroectodermal patterning by regulating distributions of Fgf and Noggin. *Developmental Biology*. [DOI](#)
968. Yamamoto, Takayoshi, Yuta Kambayashi, Yuta Otsuka, Boni Afouda, Claudiu Giuraniuc, Tatsuo Michiue and Stefan Hoppler. 2022. Positive feedback regulation of frizzled-7 expression robustly shapes a steep Wnt gradient in *Xenopus* heart development, together with sFRP1 and heparan sulfate. *eLife*. [DOI](#)
969. Yamasaki-Morita, Makiko, Yasuyuki Arai, Takashi Ishihara, Tomoko Onishi, Hanako Shimo, Kayoko Nakanishi, Yukiko Nishiyama, Tomoyasu Jo, Hidefumi Hiramatsu, Takaya Mitsuyoshi, Chisaki Mizumoto, Junya Kanda, Momoko Nishikori, Toshio Kitawaki, Keiji Nogami, Akifumi Takaori-Kondo, Miki Nagao and Souichi Adachi. 2022. Relative hypercoagulation induced by suppressed fibrinolysis after tisagenlecleucel infusion in malignant lymphoma. *Blood Advances*. [DOI](#)
970. Yamashiro, Ryo, Leonid V. Abdurakhimov, Alexander O. Badruttinov, Yuriy Monarkha and Denis Konstantinov. 2015. Photoconductivity response at cyclotron-resonance harmonics in a nondegenerate two-dimensional electron system on liquid helium. *Physical Review Letters*. [DOI](#)
971. Yamashita, Ayumu, Yuki Sakai, Takashi Yamada, Noriaki Yahata, Akira Kunimatsu, Naohiro Okada, Takashi Itahashi, Ryuichiro Hashimoto, Hiroto Mizuta, Naho Ichikawa, Masahiro Takamura, Go Okada, Hirotaka Yamagata, Kenichiro Harada, Koji Matsuo, Saori C Tanaka, Mitsuo Kawato, Kiyoto Kasai, Nobumasa Kato, Hidehiko Takahashi, Yasumasa Okamoto, Okito Yamashita and Hiroshi Imamizu. 2021. Common Brain Networks Between Major Depressive-Disorder Diagnosis and Symptoms of Depression That Are Validated for Independent Cohorts. *Frontiers in Psychiatry*. [DOI](#)
972. Yamashita, Manami and Tetsuya Hori. 2022. A Novel Method to Monitor GABA Loading into Synaptic Vesicles by Combining Patch Pipette Perfusion and Intracellular, Caged-GABA Photolysis in Brain Slice Preparations. *Methods in Molecular Biology*. [DOI](#)
973. Yamashita, Manami, Shinya Kawaguchi, Tetsuya Hori and Tomoyuki Takahashi. 2018. Vesicular GABA uptake can be rate limiting for recovery of IPSCs from synaptic depression. *Cell Reports*. [DOI](#)
974. Yamin Risk, José, João Luiz Costa Cardoso, Letícia Ruiz Sueiro and Selma Maria de Almeida-Santos. 2020. Coralsnake accidents and the Instituto Butantan, 20, In: *Advances in Coralsnake Biology with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA, ISBN: 978-0-9720154-6-2.

975. Yanagida, Mitsuhiro, Anthony A. Hyman and Jonathon Pines. 2014. The Role of Model Organisms in the History of Mitosis Research. *Mitosis*, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.
976. Yanagihara, Toyoshi, Kazuya Tsubouchi, Quan Zhou, Michael Chong, Kohei Otsubo, Takuma Isshiki, Jonas C Schupp, Seidai Sato, Ciaran Scallan, Chandak Upadutta, Spencer Revill, Anmar Ayoub, Sy Giin Chong, Anna Dvorkin-Gheva, Naftali Kaminski, Jussi Tikkainen, Shaf Keshavjee, Guillaume Paré, Christophe Guignabert, Kjetil Ask and Martin Rj Kolb. 2023. Vascular-Parenchymal Crosstalk Promotes Lung Fibrosis Through BMPR2 Signaling. *American Journal of Respiratory and Critical Care Medicine*. [DOI](#)
977. Yanagihara, Toyoshi, Kazuya Tsubouchi, Mahsa Gholiof, Sy Giin Chong, Kenneth E. Lipson, Quan Zhou, Ciaran Scallan, Chandak Upadutta, Jussi Tikkainen, Shaf Keshavjee, Kjetil Ask and Martin R. J. Kolb. 2021. Connective-Tissue Growth Factor (CTGF/CCN2) Contributes to TGF- β 1-Induced Lung Fibrosis. *American Journal of Respiratory Cell and Molecular Biology*. [DOI](#)
978. Yanagihara, Toyoshi, Kotaro Matsumoto, Reiko Yoneda, Ayaka Egashira, Hiroshi Manojoji, Hiroko Watanabe, Katsuzo Hanaoka, Yuuka Nakayama, Naruhiko Ogo, Yu Inutsuka, Tatsuma Asoh, Kenichi Kohashi, Izumi Kinoshita, Yoshinao Oda and Takashige Maeyama. 2021. Lenvatinib for poorly differentiated carcinoma of the anterior mediastinum. *Respiratory Medicine Case Reports*. [DOI](#)
979. Yanagihara, Toyoshi, Mao Hirota, Ayaka Egashira, Yukiko Harada, Naruhiko Ogo, Tatsuma Asoh, Takahumi Kuramoto, Gen Matsui and Takashige Maeyama. 2020. Successful treatment with mepolizumab for allergic bronchopulmonary mycosis complicated with bilateral septic arthritis of the knee joints caused by Methicillin-resistant *Staphylococcus aureus*. *Respiratory Medicine Case Reports*. [DOI](#)
980. Yanagihara, Toyoshi, Kunihiro Suzuki, Ayaka Egashira, Naruhiko Ogo, Tatsuma Asoh, Tsukasa Nara, Kensaku Takatsuki, Seiji Yoshizawa, Sy Giin Chong, Naoki Hamada and Takashige Maeyama. 2020. Nintedanib and intensive immunosuppressive therapy to treat rapidly progressive interstitial lung disease presenting anti-ARS antibodies. *Respiratory Medicine Case Reports*. [DOI](#)
981. Yanagihara, Shin and Yoko Yazaki-Sugiyama. 2016. Auditory experience-dependent cortical circuit shaping for memory formation in bird song learning. *Nature Communications*. [DOI](#)
982. Yanagihara, Shin and Yoko Yazaki-Sugiyama. 2018. Social interaction with a tutor modulates responsiveness of specific auditory neurons in juvenile zebra finches. *Behavioural Processes*. [DOI](#)
983. Yang, Shin-Ruen, Szu-Chun Hung, Lichieh J. Chu, Kuo-Feng Hua, Chyou-Wei Wei, I. Lin Tsai, Chih-Chin Kao, Chih-Chien Sung, Pauling Chu, Chung-Yao Wu, Ann Chen, Alexander T. H. Wu, Feng-Cheng Liu, Hsu-Shan Huang and

- Shuk-Man Ka. 2021. NSC828779 Alleviates Renal Tubulointerstitial Lesions Involving Interleukin-36 Signaling in Mice. *Cells*. [DOI](#)
984. Yang, Shin-Ruen, Kuo-Feng Hua, Chih-Yu Yang, Ann Chen, Jui-Chun Weng, Yu-Ling Tsai, Chih-Jun Wan, Chung-Yao Wu, Chia-Chung Lee, Jia-Feng Chan, Chih-Yu Hsieh, Yu-Juei Hsu, Chia-Chao Wu, Debabrata Mukhopadhyay, Hsu-Shan Huang, Feng-Cheng Liu and Shuk-Man Ka. 2021. Cf-02, a novel benzamide-linked small molecule, blunts NF-κB activation and NLRP3 inflammasome assembly and improves acute onset of accelerated and severe lupus nephritis in mice. *FASEB Journal*. [DOI](#)
985. Yang, Shin-Ruen, Wan-Han Hsu, Chung-Yao Wu, Hung-Sheng Shang, Feng-Cheng Liu, Ann Chen, Kuo-Feng Hua and Shuk-Man Ka. 2020. Accelerated, severe lupus nephritis benefits from treatment with honokiol by immunoregulation and differentially regulating NF-κB/NLRP3 inflammasome and sirtuin 1/autophagy axis. *FASEB Journal*. [DOI](#)
986. Yang, Shin-Ruen, Kuo-Feng Hua, Akiko Takahata, Chung-Yao Wu, Chih-Yu Hsieh, Hsiao-Wen Chiu, Cheng-Hsu Chen, Debabrata Mukhopadhyay, Yusuke Suzuki, Shuk-Man Ka, Hsu-Shan Huang and Ann Chen. 2020. LCC18, a benzamide-linked small molecule, ameliorates IgA nephropathy in mice. *The Journal of Pathology*. [DOI](#)
987. Yang, Yong, Jonathan Ward and Síle Nic Chormaic. 2014. Quasi-droplet microbubbles for high resolution sensing applications. *Optics Express*. [DOI](#)
988. Yang, Zhang-Min, Hui Yu, Zhen-Zhen Liu, Jian-Zhu Pei, Yu-E Yang, Su-Xian Yan, Cui Zhang, Wen-Long Zhao, Zhe-Zhi Wang, Ying-Ming Wang and Inn-Ho Tsai. 2017. Serine protease isoforms in Gloydius intermedius venom: Full sequences, molecular phylogeny and evolutionary implications. *Journal of Proteomics*. [DOI](#)
989. Yasuda, Nina, Jun Inoue, Michael R. Hall, Manoj R. Nair, Mehdi Adjeroud, Miguel D. Fortes, Mutsumi Nishida, Nat Tuivavalagi, Rachel Ravago-Gotanco, Zac H. Forsman, Taha Soliman, Ryo Koyanagi, Kanako Hisata, Cherie A. Motti and Noriyuki Satoh. 2022. Two Hidden mtDNA-Clades of Crown-of-Thorns Starfish in the Pacific Ocean. *Frontiers in Marine Science*. [DOI](#)
990. Yasuoka, Yuuri. 2023. Tissue-specific expression of carbohydrate sulfotransferases drives keratan sulfate biosynthesis in the notochord and otic vesicles of *Xenopus* embryos. *Frontiers in Cell and Developmental Biology*. [DOI](#)
991. Yasuoka, Yuuri and Masanori Taira. 2021. LIM homeodomain proteins and associated partners: Then and now. *Current Topics in Developmental Biology*, [DOI](#)
992. Yasuoka, Yuuri and Masanori Taira. 2018. The Molecular Basis of the Gastrula Organizer in Amphibians and Cnidarians. Reproductive and Developmental Strategies, Springer, Tokyo, Tokyo. [DOI](#)

993. Yasuoka, Yuuri and Masanori Taira. 2019. Microinjection of DNA constructs into *Xenopus* embryos for gene misexpression and cis-regulatory module analysis. *Cold Spring Harbor Protocols*. [DOI](#)
994. Yasuoka, Yuuri, Chuya Shinzato and Noriyuki Satoh. 2016. The mesoderm-forming gene brachyury regulates ectoderm-endoderm demarcation in the coral *Acropora digitifera*. *Current Biology*. [DOI](#)
995. Yasuoka, Yuuri, Masahito Matsumoto, Ken Yagi and Yasushi Okazaki. 2019. Evolutionary history of GLIS genes illuminates their roles in cell reprogramming and ciliogenesis. *Molecular Biology and Evolution*. [DOI](#)
996. Yasuoka, Yuuri, Yukiko Tando, Kaoru Kubokawa and Masanori Taira. 2019. Evolution of cis-regulatory modules for the head organizer gene goosecoid in chordates: comparisons between *Branchiostoma* and *Xenopus*. *Zoological Letters*. [DOI](#)
997. Yasuoka, Yuuri, Yutaka Suzuki, Shuji Takahashi, Haruka Someya, Norihiro Sudou, Yoshikazu Haramoto, Ken W. Cho, Makoto Asashima, Sumio Sugano and Masanori Taira. 2014. Occupancy of tissue-specific cis-regulatory modules by Otx2 and TLE/Groucho for embryonic head specification. *Nature Communications*. [DOI](#)
998. Yasuoka, Yuuri. 2020. Enhancer Evolution in Chordates: Lessons from Functional Analyses of Cephalochordate Cis-Regulatory Modules. *Development, Growth & Differentiation*. [DOI](#)
999. Yasuoka, Yuuri. 2020. Morphogenetic Mechanisms Forming the Notochord Rod: the Turgor Pressure-Sheath Strength Model. *Development, Growth & Differentiation*. [DOI](#)
1000. Yazaki-Sugiyama, Yoko, Shin Yanagihara, Patrick M. Fuller and Michael Lazarus. 2015. Acute inhibition of a cortical motor area impairs vocal control in singing zebra finches. *European Journal of Neuroscience*. [DOI](#)
1001. Yeates, David K., Andreas Zwick and Alexander S. Mikheyev. 2016. Museums are biobanks: unlocking the genetic potential of the three billion specimens in the world's biological collections. *Current Opinion in Insect Science*. [DOI](#)
1002. Yi, Zhigao, Huxin Gao, Xianglin Ji, Xin-Yi Yeo, Suet Yen Chong, Yujie Mao, Baiwen Luo, Chao Shen, Sanyang Han, Jiong-Wei Wang, Sangyong Jung, Peng Shi, Hongliang Ren and Xiaogang Liu. 2021. Mapping Drug-Induced Neuropathy through In-Situ Motor Protein Tracking and Machine Learning. *Journal of the American Chemical Society*. [DOI](#)
1003. Yi, Zhigao, Zichao Luo, Xian Qin, Qiushui Chen and Xiaogang Liu. 2020. Lanthanide-Activated Nanoparticles: A Toolbox for Bioimaging, Therapeutics, and Neuromodulation. *Accounts of Chemical Research*. [DOI](#)
1004. Yoda, Kotaro, Toshiyuki Takagi, Tomoko Koito, Masahiko Okai, Hiroko Makita, Satoshi Mitsunobu, Takao Yoshida and Koji Inoue. 2023. Heterologous

- expression and functional characterization of cysteamine dioxygenase from the deep-sea mussel *Bathymodiolus septemdierum*. *Fisheries Science*. [DOI](#)
1005. Yooboon, Thitaree, Vasakorn Bullangpoti and Yooichi Kainoh. 2021. Contact toxicity and antifeedant activity of binary mixtures of piperine and β-asarone against the crop pests, *Spodoptera litura* and *Mythimna separata* (Lepidoptera: Noctuidae). *International Journal of Pest Management*. [DOI](#)
1006. Yoon, Young-Ho, Clive S. Barker, Paula V. Bulieris, Hideyuki Matsunami and Fadel A. Samatey. 2016. Structural insights into bacterial flagellar hooks similarities and specificities. *Scientific Reports*. [DOI](#)
1007. Yorisue, Takefumi. 2022. Lack of a genetic cline and temporal genetic stability in an introduced barnacle along the Pacific coast of Japan. *PeerJ*. [DOI](#)
1008. Yoshida, Kosuke, Junichiro Yoshimoto and Kenji Doya. 2017. Sparse kernel canonical correlation analysis for discovery of nonlinear interactions in high-dimensional data. *BMC Bioinformatics*. [DOI](#)
1009. Yoshida, Kosuke, Yu Shimizu, Junichiro Yoshimoto, Masahiro Takumura, Go Okada, Yasumasa Okamoto, Shigeto Yamawaki and Kenji Doya. 2017. Prediction of clinical depression scores and detection of changes in whole-brain using resting-state functional MRI data with partial least squares regression. *PLoS One*. [DOI](#)
1010. Yoshimoto, Yoshinobu, Hiroya Honda, Koki Take, Mamoru Tanaka and Asuka Sakamoto. 2021. Sleep efficiency affecting the occurrence of falls among the frail older adults. *Geriatric Nursing*. [DOI](#)
1011. Yoshinaga, Koki, Tomoko Hashimoto, Yuriko Fukuoka, Noriyuki Okuyama and Koichi Kyono. 2023. Non-medical oocyte cryopreservation at a single center in Japan: 8 years of experience. *Reproductive Medicine and Biology*. [DOI](#)
1012. Yoshioka, Yuki, Yi-Ling Chiu, Taiga Uchida, Hiroshi Yamashita, Go Suzuki, and Chuya Shinzato. 2023. Genes possibly related to symbiosis in early life stages of *Acropora tenuis* inoculated with *Symbiodinium microadriaticum*. *Communications Biology*. [DOI](#)
1013. Yoshioka, Yuki, Go Suzuki, Yuna Zayasu, Hiroshi Yamashita and Chuya Shinzato. 2022. Comparative genomics highlight the importance of lineage-specific gene families in evolutionary divergence of the coral genus, Montipora. *BMC Ecology and Evolution*. [DOI](#)
1014. Yoshioka, Yuki, Hiroshi Yamashita, Go Suzuki and Chuya Shinzato. 2022. Larval transcriptomic responses of a stony coral, *Acropora tenuis*, during initial contact with the native symbiont, *Symbiodinium microadriaticum*. *Scientific Reports*. [DOI](#)
1015. Yoshioka, Yuki, Hiroshi Yamashita, Go Suzuki, Yuna Zayasu, Ipputa Tada, Miyuki Kanda, Noriyuki Satoh, Eiichi Shoguchi and Chuya Shinzato. 2020. Whole-genome transcriptome analyses of native symbionts reveal host coral

- genomic novelties for establishing coral-algae symbioses. *Genome Biology and Evolution*. [DOI](#)
1016. Yoshizawa, Tomohiko, Makoto Ito and Kenji Doya. 2023. Neuronal representation of a working memory-based decision strategy in the motor and prefrontal cortico-basal ganglia loops. *eNeuro*. [DOI](#)
1017. Yoshizawa, Tomohiko, Makoto Ito and Kenji Doya. 2018. Reward-predictive neural activities in striatal striosome compartments. *eNeuro*. [DOI](#)
1018. Youssef, Mohieldin M M, Hiro Taiyo Hamada, Esther Suk King Lai, Yuji Kiyama, Mohamed El-Tabbal, Hiroshi Kiyonari, Kohei Nakano, Bernd Kuhn and Tadashi Yamamoto. 2022. TOB is an effector of the hippocampus-mediated acute stress response. *Translational Psychiatry*. [DOI](#)
1019. Zaher, Hussam, Felipe G. Grazziotin, Ana Lúcia da Costa Prudente, Ana Botallo de Aguiar Quadros, Vivian C. Trevine and Jr. Silva, Nelson Jorge da. 2020. Origin and evolution of elapids and New World coralsnakes, Chapter 3, *Advances in Coralsnake Biology: with an Emphasis on South America*, Eagle Mountain Publishing, LC, Eagle Mountain, Utah, USA.
1020. Zang, Yunliang and Erik De Schutter. 2019. Climbing Fibers Provide Graded Error Signals in Cerebellar Learning. *Frontiers in Systems Neuroscience*. [DOI](#)
1021. Zang, Yunliang, Stéphane Dieudonné and Erik De Schutter. 2018. Voltage- and Branch-Specific Climbing Fiber Responses in Purkinje Cells. *Cell Reports*. [DOI](#)
1022. Zang, Yunliang, Sungho Hong and Erik De Schutter. 2020. Firing rate-dependent phase responses of Purkinje cells support transient oscillations. *eLife*. [DOI](#)
1023. Zaqout, Ahmed, Muna A Almaslamani, Hiam Chemaitelly, Samar A Hashim, Ajithkumar Ittaman, Abeir Alimam, Fatma Rustom, Joanne Daghfal, Mohammed Abukhattab, Sawsan AlMukdad, Anvar Hassan Kaleekal, Ali Nizar Latif, Adeel A Butt, Roberto Bertolini, Abdullatif Al-Khal, Ali S Omrani and Laith J Abu-Raddad. 2022. Effectiveness of the neutralizing antibody sotrovimab among high-risk patients with mild-to-moderate SARS-CoV-2 in Qatar. *International Journal of Infectious Diseases*. [DOI](#)
1024. Zayasu, Yuna, Takeshi Takeuchi, Tomofumi Nagata, Megumi Kanai, Manabu Fujie, Mayumi Kawamitsu, Wakana Chinen, Chuya Shinzato and Noriyuki Satoh. 2021. Genome-wide SNP genotyping reveals hidden population structure of an acroporid species at a subtropical coral island: Implications for coral restoration. *Aquatic Conservation: Marine and Freshwater Ecosystems*. [DOI](#)
1025. Zayasu, Yuna and Chuya Shinzato. 2016. Hope for coral reef rehabilitation: massive synchronous spawning by outplanted corals in Okinawa, Japan. *Coral Reefs*. [DOI](#)
1026. Zayasu, Yuna and Go Suzuki. 2018. Comparisons of population density and genetic diversity in artificial and wild populations of an arborescent coral,

- Acropora yongei*: implications for the efficacy of “artificial spawning hotspots”. *Restoration Ecology*. [DOI](#)
1027. Zayasu, Yuna, Katsumi Miyazaki, Yi-Ting Lien Lien and Nami Okubo. 2015. Direct evidence of sexual reproduction in the zebra coral, *Oulastrea crispata* (Anthozoa, Scleractinia), in Japan. *Invertebrate Reproduction & Development*. [DOI](#)
1028. Zayasu, Yuna, Noriyuki Satoh and Chuya Shinzato. 2018. Genetic diversity of farmed and wild populations of the reef-building coral, *Acropora tenuis*. *Restoration Ecology*. [DOI](#)
1029. Zayasu, Yuna, Yuichi Nakajima, Kazuhiko Sakai, Go Suzuki, Noriyuki Satoh and Chuya Shinzato. 2016. Unexpectedly complex gradation of coral population structure in the Nansei Islands, Japan. *Ecology and Evolution*. [DOI](#)
1030. Zhang, Dongxin, Po-Shun Chuang, Dong Cao, Yarkali Krishna, Kola Shilpa and Fujie Tanaka. 2018. Detection of enantiomers of chiral primary amines by ^1H NMR analysis via enamine formation with an enantiopure γ -position aldol product of a β -keto ester. *Tetrahedron Letters*. [DOI](#)
1031. Zhang, Pinzheng, Liangliang Liang and Xiaogang Liu. 2021. Lanthanide-doped nanoparticles in photovoltaics – more than just upconversion. *Journal of Materials Chemistry C*. [DOI](#)
1032. Zhang, Zhixiao, Xi Zhang, Tingsong Hu, Weiguo Zhou, Qinghua Cui, Jing Tian, Ying Zheng and Quanshui Fan. 2015. Discovery of toxin-encoding genes from the false viper *Macropisthodon rufus*, a rear-fanged snake, by transcriptome analysis of venom gland. *Toxicon*. [DOI](#)
1033. Zhao, Ran, Takeshi Takeuchi, Yi-Jyun Luo, Akito Ishikawa, Tatsushi Kobayashi, Ryo Koyanagi, Alejandro Villar-Briones, Lixy Yamada, Hitoshi Sawada, Shunsuke Iwanaga, Kiyohito Nagai, Noriyuki Satoh and Kazuyoshi Endo. 2018. Dual gene repertoires for larval and adult shells reveal molecules essential for molluscan shell formation. *Molecular Biology and Evolution*. [DOI](#)
1034. Zhao, Ran, Takeshi Takeuchi, Ryo Koyanagi, Alejandro Villar-Briones, Lixy Yamada, Hitoshi Sawada, Akito Ishikawa, Shunsuke Iwanaga, Kiyohito Nagai, Yuqi Che, Noriyuki Satoh and Kazuyoshi Endo. 2020. Phylogenetic comparisons reveal mosaic histories of larval and adult shell matrix protein deployment in pteriomorph bivalves. *Scientific Reports*. [DOI](#)
1035. Zheng, Bingzhu, Jingyue Fan, Bing Chen, Xian Qin, Juan Wang, Feng Wang, Renren Deng, and Xiaogang Liu. 2022. Rare-Earth Doping in Nanostructured Inorganic Materials. *Chemical Reviews*. [DOI](#)
1036. Zukeran, Ari, Akinori Takahashi, Shohei Takaoka, Haytham Mohamed Aly Mohamed, Toru Suzuki, Shinya Ikematsu and Tadashi Yamamoto. 2016.

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The CCR4-NOT deadenylase activity contributes to generation of induced pluripotent stem cells. *Biochem Biophys Res Commun.* [DOI](#)