

論文業績（査読あり）

- [33] Yumeng Pang, Yusuke Yokoyama, Takahiro Aze, Takahiro Irie, Chih-Shin Chen, Tomohiko Kawamura, and Yoko Iwata (2024). Population connectivity of the swordtip squid *Uroteuthis edulis* between southern Japan and northern Taiwan using statolith trace elemental analysis. *Frontiers in Marine Science* 11.
- [32] Iki Murase, Tatsuhiko Kawamoto, Norikatsu Akizawa, and Takahiro Irie (2023) Rearing in strontium-enriched water induces vaterite otoliths in the Japanese rice fish, *Oryzias latipes*. *Royal Society Open Science* 10(6):230410.
- [31] Iki Murase, Tatsuhiko Kawamoto, Norikatsu Akizawa, and Takahiro Irie (2023) Rearing in strontium-enriched water induces vaterite otoliths in the Japanese rice fish, *Oryzias latipes*. *Royal Society Open Science* 10(6):230410.
- [30] Shota Hosono, Takahiro Irie, Jun Yamamoto, Mitsuhiro Nakaya, Yasunori Sakurai, Tomohiko Kawamura, and Yoko Iwata (2022). Negative temperature dependence of statolith Sr/Ca and its intraspecific variability in experimentally maintained spear squid *Heterololigo bleekeri*. *Journal of the Marine Biological Association UK* 102: 315-321.
- [29] Azumi Kuroyanagi, Takahiro Irie, Shunichi Kinoshita, Hodaka Kawahata, Atsushi Suzuki, Hiroshi Nishi, Osamu Sasaki, Reishi Takashima, and Kazuhiko Fujita (2021). Decrease in volume and density of foraminiferal shells with progressing ocean acidification. *Scientific Reports* 11: 19988.
- [28] Takahiro Irie and Atsushi Suzuki (2020) High temperature stress does not distort the geochemical thermometers based on biogenic calcium carbonate: Stable oxygen isotope values and Sr/Ca ratios of gastropod shells in response to rearing temperature. *Geochimica et Cosmochimica Acta* 288: 1-15.
- [27] Iki Murase, Tatsuya Kawakami, Takahiro Irie, and Kei'ichiro Iguchi (2019) Counter-directional latitudinal clines of size at upstream migration between two adjacent water bodies in a Japanese amphidromous fish. *Marine Ecology Progress Series* 624:143-154.
- [26] Hiroaki Fukumori, Hajime Itoh, and Takahiro Irie (2019) The mitochondrial genome of the gold-ringed cowry *Monetaria annulus* (Mollusca: Gastropoda: Cypraeidae) determined by whole-genome sequencing. *Mitochondrial DNA Part B: Resources* 4:2305-2307.
- [25] Javier Montenegro, Koji Mochida, Kumi Matsui, Daniel F. Mokodongan, Bayu K. A. Sumarto, Sjamsu A. Lawelle, Andy B. Nofrianto, Renny K. Hadiaty, Kawilarang W. A. Masengi, Lengxob Yong, Nobuyuki Inomata, Takahiro Irie, Yasuyuki Hashiguchi, Yohey Terai, Jun Kitano, and Kazunori Yamahira (2019) Convergent evolution of body color between sympatric freshwater fishes via different visual sensory evolution. *Ecology and Evolution* 9:6389-6398.
- [24] Kunio Shirakihara, Fumio Nakahara, Masanori Shinohara, Miki Shirakihara, Kazuhiko Hiramatsu, and Takahiro Irie (2019) Abundance decline in the narrow-ridged finless porpoise population off the Pacific coast of eastern Japan. *Population Ecology* 61:325-332.
- [23] Kozue Nishida, Masahiro Hayashi, Yuzo Yamamoto, Takahiro Irie, Yusuke Watanabe, Chiho Kishida, Yukihiro Nojiri, Mizuho Sato, Toyoho Ishimura, Atsushi Suzuki (2018) Effects of elevated CO₂ on shell ¹³C and ¹⁸O content and growth rates in the clam *Scapharca broughtonii*. *Geochimica et Cosmochimica Acta*. 235: 246-261.
- [22] 入江貴博 (2018) 自然史と進化生態学をつなぐ海産腹足類の研究 (1) 一貝殻種内変異と形態分類－. *日本生態学会誌*. 68(1): 1-15.
- [21] Takahiro Irie and Naoko Morimoto (2016) Intraspecific Variations in Shell Calcification Across Thermal Window and Within Constant Temperatures: Experimental Study on an Intertidal Gastropod *Monetaria annulus*. *Journal of Experimental Marine Biology and Ecology* 483: 130-138.
- [20] Kozue Nishida, Atsushi Suzuki, Rryosuke Isono, Masahiro Hayashi, Yusuke Watanabe, Yuzo Yamamoto, Takahiro Irie, Yukihiro Nojiri, Chiharu Mori, Mizuho Sato, Kei Sato, Takenori Sasaki (2015) Thermal Dependency of Shell Growth, Microstructure, and Stable Isotopes in Laboratory-reared *Scapharca broughtonii* (Mollusca: Bivalvia). *Geochemistry, Geophysics, Geosystems* 16: 2395-2408.
- [19] Shouji Houki, Tomohiko Kawamura, Takahiro Irie, Nam-II Won, and Yoshiro Watanabe (2015). The Daily Cycle of Siphon Extension Behavior in the Manila Clam Controlled by Endogenous Rhythm. *Fisheries Science* 81: 453-461.
- [18] Shun Ohki, Takahiro Irie, Mayuri Inoue, Kotaro Shinmen, Hodaka Kawahata, Takashi Nakamura, Aki Kato, Yukihiro Nojiri, Atsushi Suzuki, Kazuhiko Sakai, and Rovert van Woesik (2013). Calcification Responses of Symbiotic and Aposymbiotic Corals to Near-Future Levels of Ocean Acidification. *Biogeosciences* 10: 6807-6814.
- [17] Takahiro Irie, Naoko Morimoto, and Klaus Fischer (2013) Higher Calcification Costs at Lower Temperatures Do Not Break the Temperature-Size Rule in an Intertidal Gastropod with Determinate Growth. *Marine Biology* 160(10): 2619-2629.
- [16] Mana Hikami, Hiroyuki Ushie, Takahiro Irie, Kazuhiko Fujita, Azumi Kuroyanagi, Kazuhiko Sakai, Yukihiro Nojiri, Atsushi Suzuki, and Hodaka Kawahata (2011) Contrasting Calcification Responses To Ocean Acidification Between Two Reef Foraminifers Harboring Different Algal Symbionts. *Geophys. Res. Lett.* 38: L19601.
- [15] Takahiro Irie, Kazuhiro Bessho, Helen S. Findlay, and Piero Calosi (2010) Increasing Costs Due To Ocean Acidification Drives Phytoplankton To Be More Heavily Calcified: Optimal Growth Strategy of Coccolithophores. *PLoS One*. 5(10): e13436.
- [14] 入江貴博 (2010) 温度 - サイズ則の適応的意義 . *日本生態学会誌* . 60(2): 169-181.

- [13] Naoko Morimoto, Yasuo Furushima, Masayuki Nagao, Takahiro Irie, Akira Iguchi, Atsushi Suzuki, and Kazuhiko Sakai (2010) Water Quality Variables across Sekisei Reef, A Large Reef Complex in Southwestern Japan. *Pacific Science*. 64(1): 113-123.
- [12] Azumi Kuroyanagi, Hodaka Kawahata, Atsushi Suzuki, Kazuhiko Fujita, and Takahiro Irie (2009) Impacts of Ocean Acidification on Large Benthic Foraminifers: Results from Laboratory Experiments. *Marine Micropaleontology*. 73: 190-195.
- [11] Takahiro Irie and Klaus Fischer (2009) Ectotherms with a Calcareous Exoskeleton Follow the Temperature-Size Rule - Evidence from Field Survey. *Marine Ecology Progress Series*. 385: 33-37.
- [10] Saki Harii, Naoko Yasuda, Mauricio Rodriguez-Lanetty, Takahiro Irie, Michio Hidaka (2009) Onset of Symbiosis and Distribution Patterns of Symbiotic Dinoflagellates in the Larvae of Scleractinian Corals. *Marine Biology*. 156: 1203-1212.
- [9] Takahiro Irie and Naoko Morimoto (2008) Phenotypic Plasticity and Sexual Dimorphism in Size at Post-juvenile Metamorphosis: Common-garden Rearing of an Intertidal Gastropod with Determinate Growth. *Biological Bulletin*, 215(2): 126-134.
- [8] Takahiro Irie and Ben Adams (2007) Sexual Dimorphism in Soft Body Weight in Adult *Monetaria annulus* (Family Cypraeidae). *Veliger*, 49(3): 209-211.
- [7] Kazunori Yamahira, Maiko Kawajiri, Kenichi Takeshi, and Takahiro Irie (2007) Inter- and Intrapopulation Variation in Thermal Reaction Norms for Growth Rate: Evolution of Latitudinal Compensation in Ectotherms with a Genetic Constraint. *Evolution*, 61(7): 1577-1589.
- [6] 入江貴博 (2007) 地理的変異の近接的機構としての表現型可塑性ー外温動物の体サイズ・クライナー . 日本生態学会誌 . 57(1): 55-63.
- [5] Takahiro Irie (2006) Geographic Variation of Shell Morphology in *Cypraea annulus* (Gastropoda: Cypraeidae). *Journal of Molluscan Studies*. 72(1): 31-38.
- [4] Takahiro Irie and Yoh Iwasa (2005) Optimal Growth Pattern of Defensive Organs: The Diversity of Shell Growth among Molluscs. *The American Naturalist*. 165(2): 238-249.
- [3] Takahiro Irie and Yoh Iwasa (2003) Optimal Growth Model for Latitudinal Cline of Shell Morphology in Cowries (Genus *Cypraea*). *Evolutionary Ecology Research*. 5(8): 1133-1149.
- [2] Ken-Ichi Hosaka, Takahiro Irie, and Tomoyuki Sugimura (1997) The family Cypraeidae (Caenogastropoda) of Yamaguchi Prefecture, Western Japan. *The Yuriyagai: J. Malacozool. Ass. Yamaguchi*. 5(1): 127-183.
- [1] Takahiro Irie (1997) Relationships between Geographic Variation of Shell Structure and Water Temperature in *Cypraea caputserpentis* (Gastropoda: Cypraeidae). *The Yuriyagai: J. Malacozool. Ass. Yamaguchi*. 5(1): 17-29.

その他の記事（査読なし）

- [12] 入江貴博 (2018) 中項目「形質の地理的連続変異（地理的クライナー）」魚類学の百科事典. 日本魚類学会・編. 丸善出版株式会社
- [11] 鈴木淳・井口亮・酒井一彦・中村崇・藤田和彦・田中泰章・入江貴博・加藤亜記・大野良和・林正裕・山本雄三・磯野良介・諏訪僚太・井上麻夕里・野尻幸宏 (2018) 海洋酸性化がサンゴなどの石灰化生物に与える影響評価実験. 月刊海洋 50(6): 237-246 (海洋出版株式会社)
- [10] 入江貴博 (2017) 書評「タカラガイ・ブック改訂版」. 日本水産学会誌 84(2): 304.
- [9] 入江貴博 (2017) 生活史モデリングのための理論的基礎. 月刊海洋 49(8): 413-422 (海洋出版株式会社)
- [8] 入江貴博 (2016) 中立遺伝マーカーを用いた近親判別に基づく個体数推定の可能性. 月刊海洋 549号: 340-348 (海洋出版株式会社)
- [7] 入江貴博・平松一彦 (2016) シンポジウム 海洋生物の資源量推定. 月刊海洋 549号: 329-333 (海洋出版株式会社)
- [6] Irie, T. and Takeuchi, Y. (2014) An application of an integrated stock assessment model (stock synthesis) to eastern Atlantic bluefin tuna stock. *Collective Volume of Scientific Paper, ICCAT* 71(3): 1462-1489.
- [5] 入江貴博 (2014) 三年間の海外研究生活. *JSMB Newsletter* No.73: 26-30.
- [4] 入江貴博 (2013) 幼稚舎出身の科学者たちー研究者の原風景としての第二理科室. 慶應義塾幼稚舎の理科教育ー直接経験と採集理科の100年 (慶應義塾大学出版会) : 212-213.
- [3] 入江貴博 (2009) 最適生活史モデル：実証研究との協調によって可能となる理論的アプローチ. 京都大学数理解析研究所講究録 No. 1663: 90-93.
- [2] 入江貴博 (2008) 海洋無脊椎動物の外骨格同位体比分析ー生活史進化の理解に向けてー. 月刊地球 (海洋出版) 号外「バイオミネラリゼーションと石灰化ー遺伝子から地球環境までー」59: 75-83.
- [1] 入江貴博 (2008) 北米大西洋岸の研究室訪問に関する報告. ちりぼたん (日本貝類学会研究連絡誌) 39(1): 51-54.

査読履歴

2023: Scientific Reports (2 times), 保全生態学研究 .

2021: Bulletin of Mathematical Biology, Journal of Sedimentary Research, Journal of Molluscan Studies, Journal of Theoretical Biology, Journal of Theoretical Biology.

2020: Biodiversitas, NERC Proporsal, Scientific Reports, MEPS, Population Ecology.

2018: Zoological Letters. / 2017: 水産学会誌 (2 times).

2016: Evolutionary Applications, Journal of the Marine Biological Association of the United Kingdom (2 times), 水産海洋研究 (2 times), Journal of Theoretical Biology, 水産学会誌 (2 times).

2015: Journal of Molluscan Studies (2 times), Journal of Theoretical Biology, 水産海洋研究 (2 times), Evolutionary Applications.

2014: Journal of Theoretical Biology.

2013: California Sea Grant Core Award.

2012: Theoretical Population Biology, PLoS ONE (3 times), Journal of Plankton Research (2 times), Population Ecology, Journal of Theoretical Biology.

2011: Journal of Thermal Biology, Hydrobiologia, Aquatic Biology, PLoS ONE.

2010: Population Ecology, Journal of Theoretical Biology (2 times).

2009: Journal of Theoretical Biology (2 times), Aquatic Biology.

2008: American Malacological Bulletin, Population Ecology (3 times), Insect Science, Journal of Theoretical Biology (2 times).

2007: Book chapter, Population Ecology, Biologia (Bratislava).