

CV

Moriaki Yasuhara, PhD

Associate Professor

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Hong Kong

I have broad interests in marine palaeoecology and macroecology. My recent research has focused on the spatio-temporal dynamics of large-scale biodiversity patterns, the impact of climate on species diversity, and the controlling factor(s) of biodiversity pattern/change in deep-sea ecosystems. I am also interested in human-induced marine ecosystem degradation.

Paleontologist/ Paleoecologist/ Macroecologist/ Biogeographer/ Evolutionary biologist/ Marine biologist/ Micropaleontologist/ Paleoceanographer/ Quaternary geologist

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https://scholar.google.com/citations?hl=en&user=OY_3j_UAAAAJ

Primary Research Interests:

Climatic and anthropogenic impacts on marine ecosystem; Deep-sea ecology and paleoecology; Conservation paleoecology; Tropical biodiversity; Abrupt surface climate and deep-water changes; Quaternary North Atlantic paleoceanography; Paleontology of Ostracoda.

Education:

Mar. 2003 PhD. Geosciences, Osaka City University (Adviser: Shusaku Yoshikawa)

Mar. 2001 MS. Geosciences, Osaka City University (Adviser: Shusaku Yoshikawa)

Mar. 1999 BS. Geosciences, Osaka City University (Adviser: Shusaku Yoshikawa)

Professional Experience:

Jan 2017-Present Associate Professor of School of Biological Sciences and Swire Institute of Marine Science, The University of Hong Kong

Jan 2011-Jan 2017 Assistant Professor of School of Biological Sciences, Department of Earth Sciences, and Swire Institute of Marine Science, The University of Hong Kong

Sep 2013 Temminck Fellow, Naturalis Biodiversity Center, Netherlands

Oct 2010-Dec 2010 Postdoctoral Fellow of Center for Advanced Marine Core Research, Kochi University (Adviser: Minoru Ikehara)

Oct 2008-Sep 2010 Smithsonian Marine Science Network Postdoctoral Fellow (Adviser: Gene Hunt; co-advisers: Denise Breitburg, Martin Buzas)

Oct. 2007-Oct. 2008 Smithsonian Postdoctoral Fellow (Adviser: Gene Hunt; co-adviser: Brian Huber)

Oct. 2005-Oct. 2007 JSPS (the Japan Society for the Promotion of Science)

Postdoctoral Fellow for Research Abroad, at US Geological Survey (Adviser: Thomas M. Cronin)

Apr. 2005-Sep. 2005 Research Student of Osaka City University (Adviser: Shusaku Yoshikawa)

Apr. 2003-Mar. 2005 Research Fellow of the Japan Society for the Promotion of Science, at Osaka City University (Adviser: Shusaku Yoshikawa)

Awards:

The Academic Award, 2018, The Paleontological Society of Japan

Outstanding Young Researcher Award (OYRA) 2014-2015, The University of Hong

Kong

Research Output Prize 2013, The University of Hong Kong

Micropaleontology Reference Center Meeting 2010 in the Shimane University, Japan,
Best Presentation Award

Teaching:

Current:

ENVS3016/4955 Environmental Science in Practice

BIOL2610/3301 Marine Biology

BIOL0604/1309 Evolutionary Diversity

ENVS2016/2002 Environmental Data Analysis

Past:

BIOL3988 Biological Sciences Internship

ENVS2004 Environment and Society

ENVS1002 Environmental Life Science

Environmental Marine Biology: Intensive course, Earth and Environmental Sciences,
Faculty of Agriculture, Ehime University, Japan (26–27 September 2013).

Greenhouse gases in the ocean and climate change (Geo-8144 and Geo-8145):
Workshop, the Arctic University of Norway, Tromsø, Norway (21–25 September
2015).

Historical Ecology and Conservation Paleobiology Workshop, University of Vienna,
Austria (April 18-29 2016)

Current Research Postgraduate Students:

Huai-Hsuan May Huang (MPhil-PhD, Sep 2014–)

Skye Yunshu Tian (PhD, Sep 2018–)

Current Postdoctoral Researchers:

Hokuto Iwatani (Feb 2013–)

Briony Mamo (Oct 2015–)

Yuanyuan Hong (Apr 2017–)

Anna Jöst (Apr 2018–)

Current Undergrad Students:

Rachel Wai Ching Chu

Past Members:

Raine Wing Ki Chong (undergrad student, June 2017–May 2018)

Skye Yunshu Tian (undergrad student, June 2017–May 2018)

Amber Yuexin Song (undergrad intern student, 2017))

Ruby W. T. Chiu (MPhil-PhD student, Sep 2012–Dec 2017)

Anna Jöst (PhD student, Dec 2012–Feb 2018)

Richard C.W. Cheung (MPhil-PhD student, Sep 2013–Mar 2018)

Yuanyuan Hong (MPhil-PhD student, Sep 2011–Mar 2017)

Laura Cotton (Postdoc fellow, Jun 2016–Dec 2016)

Runa Sato (intern student, Oct 2016–Mar 2017)

Kenichiro Kurihara (intern student, May 2017)

Sallie Lau (intern student, Summer 2015)

Caren Shin (Mphil student, Sep 2014–Mar 2017)

Estelle Hoi Wan Tam (undergrad student, Sep 2013–May 2014)

Andrea Naylor (PhD student, Jan 2013–May 2013)

Professional Affiliations:

The Paleontological Society

American Geophysical Union

Deep-Sea Biology Society

Palaeontological Society of Japan

Ecological Society of Japan

International Research Group on Ostracoda

Society of Friends of International Research Group on Ostracoda

Professional Services:

International Research Group on Ostracoda (IRGO) chair

bioDISCOVERY Scientific Committee member (2014-)
(<http://www.diversitas-international.org/activities/research/biodiscovery/governance>)

GO2NE (Global Ocean Oxygen Network) member (2015–)

Board Member, the Deep-Sea Biology Society (2014–)

Podocopida (Ostracoda) editor, World Register of Marine Species (WoRMS) (2013–2017)

Paleontological Research, associate editor (2012–)

Plankton and Benthos Research, editor (2015–)

Global and Planetary Change, editorial board member (2014–)

Open Quaternary, editorial board member (2018–)

Marine Biodiversity, associate editor (2018–)

Member of scientific committee of 16th International Symposium on Ostracoda (2009, Brazil)

Member of scientific committee of 17th International Symposium on Ostracoda (2013, Italy)

Member of scientific committee of 18th International Symposium on Ostracoda (2017, USA)

Member of scientific committee of 1st Asian Ostracod Meeting (2014, Korea)

Member of scientific committee of 2nd Asian Ostracod Meeting (2016, China)

Member of scientific committee of 3rd Asian Ostracod Meeting (2018, Japan)

Guest editor of the special volume of 17th International Symposium on Ostracoda, the International Review of Hydrobiology

Society of Friends of International Research Group on Ostracoda, Advisory board member (2013–2017), vice chair (2018–)

Grant Records (Note: GRF/ECS is Hong Kong equivalent to NSF):

General Research Fund (GRF) (January 2019–December 2021). Title: Hopping or Whack-A-Mole? Cenozoic dynamics of marine biodiversity hotspots. Principal Investigator: Moriaki Yasuhara, HK\$ 505,298

Seed Funding Programme for Basic Research (May 2018–April 2020). Title: Tasman Frontier IODP (International Ocean Discovery Program) for understanding Cenozoic deep-sea paleobiogeographic and macroevolutionary history: taxonomic update and general faunal trend. Principal Investigator: Moriaki Yasuhara, HK\$ 111,050

Teaching Innovation Fund of the Faculty of Science (February 2018–June 2019). Principal Investigator: Moriaki Yasuhara, HK\$ 120,000

Seed Funding Programme for Basic Research (May 2017–April 2019). Title: Tropical western Pacific and Atlantic biodiversities during the Cenozoic: taxonomic and faunal baseline. Principal Investigator: Moriaki Yasuhara, HK\$ 66,490

- General Research Fund (GRF)** (January 2017–December 2019). Title: Arctic paleoceanography: ostracode proxy for brine formation and methane seepage. Principal Investigator: Moriaki Yasuhara, HK\$ 540,824
- Seed Funding Programme for Basic Research (May 2016–April 2018). Title: Neogene Western Pacific Warm Pool intermediate-water paleoceanography and paleoecology: basic microfossil ostracode analyses based on International Ocean Discovery Program sediment cores. Principal Investigator: Moriaki Yasuhara, HK\$ 68,980
- Seed Funding Programme for Basic Research (December 2015–November 2017). Title: Unravelling the potential of Trace elements in ostracodes as environmental paleoproxies in Hong Kong marine ecosystem. Principal Investigator: Christelle Not (Moriaki Yasuhara as Co-I), HK\$ 150,000
- General Research Fund (GRF)** (January 2016–December 2018). Title: Northwestern Pacific biodiversity hotspot: investigating biodiversity and biogeographic patterns and their controlling factors. Principal Investigator: Moriaki Yasuhara, HK\$ 601,972
- Seed Funding Programme for Basic Research (May 2015–April 2017). Title: Deep-sea ecosystem and biodiversity responses to millennial–orbital-scale paleoceanographic changes in the Sea of Japan. Principal Investigator: Moriaki Yasuhara, HK\$ 47,100
- General Research Fund (GRF)** (January 2015–December 2017). Title: Environment, ecosystems, and evolution in the deep ocean: A coupled approach using foraminifera and ostracodes. Principal Investigator: Moriaki Yasuhara, HK\$ 614,810
- Seed Funding Programme for Basic Research (June 2014–May 2016). Title: Biodiversity and faunal distribution of the US continental margin: taxonomic standardization and data integration. Principal Investigator: Moriaki Yasuhara, HK\$ 47,900
- Hung Hing Ying Physical Sciences Research Fund (January 2014–May 2015), Title: Decadal-centennial scale biodiversity variability and biotic responses in the Norwegian Sea for the last 20,000 years. Principal Investigator: Moriaki Yasuhara, HK\$96,000
- 2013 Research Output Prize** (January 2014–January 2015), Title: Latitudinal species diversity gradient of marine zooplankton for the last three million years. Principal Investigator: Moriaki Yasuhara, HK\$120,000
- Environment and Conservation Fund** (May 2014–April 2017), Title: Revealing historical profile of marine ecological degradation in Hong Kong using paleoecological approaches. Principal Investigator: Moriaki Yasuhara, HK\$500,000
- Early Career Scheme (ECS)** (January 2014–December 2017). Title: Tropical western Pacific marine paleo-biodiversity: a micropaleontological approach. Principal Investigator: Moriaki Yasuhara, HK\$ 1291,260

Seed Funding Programme for Basic Research (May 2013–April 2015). Title: The IceAGE (Icelandic Marine Animals: Genetics and Ecology) project: ostracod diversity and faunal composition and their controlling factors. Principal Investigator: Moriaki Yasuhara, HK\$ 67,300

Hung Hing Ying Physical Sciences Research Fund (January 2013–March 2014). Title: Deep-sea paleobiodiversity: Towards a taxonomic baseline and beyond. Principal Investigator: Moriaki Yasuhara, HK\$ 110,000

Seed Funding Programme for Basic Research (May 2012–April 2014). Title: East and Southeast Asian marine ostracod research: Taxonomic baseline. Principal Investigator: Moriaki Yasuhara, HK\$ 61,100

Germany/Hong Kong Joint Research Scheme (January 2012–December 2013). Title: The IceAGE (Icelandic Marine Animals: Genetics and Ecology) project. Principal Investigator: Moriaki Yasuhara, HK\$ 48,400

The Faculty of Science Postdoctoral Fellowship Scheme (February 2013–February 2015). Title: Large-scale marine biodiversity patterns in Asia: a paleoecological approach, HK\$315,540.

HKU SPACE Research Fund (2011–2016), 50% of the matching for a Type B student.

Seed Funding Programme for Basic Research for New Staff (June 2011–June 2013). Title: North Atlantic and Arctic deep-sea biodiversity: Towards a taxonomic baseline and beyond. Principal Investigator: Moriaki Yasuhara, HK\$ 120,000

Smithsonian MSN Postdoctoral Fellowship Research Allowance (October 2008–October 2010). Title: Marine benthic ecosystem history: Biotic response to abrupt climate and anthropogenic environmental changes in decadal, centennial, and millennial time scales. Principal Investigator: Moriaki Yasuhara, US\$ 16,000

Smithsonian Postdoctoral Fellowship Research Allowance (October 2007–October 2008). Title: Abrupt climate changes and deep-sea ostracode communities over the last 30,000 years: latitudinal and glacial/interglacial comparisons. Principal Investigator: Moriaki Yasuhara, US\$ 4000

A Grant-in-Aid for Scientific Research from the Ministry of Education, Culture, Sports, Science, and Technology of Japan (05950) (April 2003–March 2005). Title: Historical changes in impacts of marine pollution on ostracod fauna since industrialization during the Meiji Period. Principal Investigator: Moriaki Yasuhara, 1100,000 Yen

Grant for the graduate student, Osaka City University (April 2002–March 2003). Title: Holocene ostracod biogeography in the Seto Inland Sea. Principal Investigator: Moriaki Yasuhara, 500,000 Yen

Publications (*: correspondence or equal contribution; #: advisee):

Peer reviewed publications:

73. Cheung, R. C. W.^{#,*}, **Yasuhara, M.***, Mamo, B.^{#,*}, Katsuki, K., Seto, K., Takata, H., Yang, D. Y., Nakanishi, T., Yamada, K., Iwatani, H.[#], 2018. Decadal - centennial scale East Asian Summer Monsoon variability over the past millennium: an oceanic perspective. **Geophysical Research Letters**: doi:10.1029/2018GL077978
72. Huang, H. H. M.^{#,*}, **Yasuhara, M.***, Iwatani, H.[#], Alvarez Zarikian, C. A., Bassetti, M. A., Sagawa, T., 2018 Benthic biotic response to climate changes over the last 700,000 years in a deep marginal sea: impacts of deoxygenation and the Mid - Brunhes Event. **Paleoceanography and Paleoclimatology**: doi:10.1029/2018PA003343
71. Iwatani, H.^{#,*}, **Yasuhara, M.***, Rosenthal, Y., Linsley, B. K., 2018. Intermediate-water dynamics and ocean ventilation effects on the Indonesian Throughflow during the past 15,000 years: Ostracod evidence. **Geology**: 46 (6), 567–570. [Featured as cover]



70. Shiono, T.*, Kusumoto, B., **Yasuhara, M.***, Kubota, Y.*, 2018. Roles of climate niche conservatism and range dynamics in woody plant diversity patterns through the Cenozoic. **Global Ecology and Biogeography**: doi:10.1111/geb.12755
69. **Yasuhara, M.***, Hong, Y.[#], Tian, S. T.[#], Chong, W. K.[#], Okahashi, H., Littler, K., Cotton, L.[#], 2018. Eocene shallow-marine ostracods from Madagascar: southern end of the Tethys? **Journal of Systematic Palaeontology**: doi:10.1080/14772019.2018.1453555
68. Jöst, A. B.^{#,*}, **Yasuhara, M.***, Okahashi, H., Brix, S., Martínez Arbizu, P., Ostmann, A., 2018. Biogeographic distributions of Cytheropteron species (Ostracoda) in Icelandic waters (sub-polar North Atlantic). **Marine Biodiversity**: 48 (2), 763–782.
67. Krug, C. B., Schaepman, M. E., Shannon, L. J., Cavender-Bares, J., Cheung, W., McIntyre, P. B., Metzger, J. P., Niinemets, Ü., Obura, D. O., Schmid, B., Strassburg, B. B. N., Van Teeffelen, A. J. A., Weyl, O. L. F., **Yasuhara, M.**, Leadley, P. W., 2017. Observations, Indicators and Scenarios of Biodiversity and Ecosystem Services change—a framework to support policy and decision-making. **Current Opinion in Environmental Sustainability**: 29, 198-206.

66. **Yasuhara, M.***, Szybor, K., Rasmussen, T. L., Okahashi, H., Sato, R.[#], Tanaka, H., 2018. Cold-seep ostracods from the western Svalbard margin: direct palaeo-indicator for methane seepage? *Journal of Micropalaeontology*: 37, 139-148
65. Breitburg, D., Levin, L. A., Oschlies, A., Grégoire, M., Chavez, F. P., Conley, D. J., Garçon, V., Gilbert, D., Gutiérrez, D., Isensee, K., Jacinto, G. S., Limburg, K. E., Montes, I., Naqvi, S. W. A., Pitcher, G. C., Rabalais, N. N., Roman, M. R., Rose, K. A., Seibel, B. A., Telszewski, M., **Yasuhara, M.**, Zhang, J., 2018. Declining oxygen in the global ocean and coastal waters. *Science*: 359, eaam7240, doi:10.1126/science.aam7240

Altmetric score ~2000:

<https://www.altmetric.com/details/31264072?src=bookmarklet>

64. Tanaka, H., **Yasuhara, M.**, Carlton, J. T., 2018. Transoceanic transport of living marine Ostracoda (Crustacea) on tsunami debris from the 2011 Great East Japan Earthquake. *Aquatic Invasions*: 13, 125–135
63. **Yasuhara, M.**, Ando, A.*, Iba, Y., 2017. Past emergent phase of Shatsky Rise deep-marine igneous plateau. *Scientific Reports*: 7, 15423, doi:10.1038/s41598-017-15684-z
62. **Yasuhara, M.***, Hunt, G., Okahashi, H. 2017. Quaternary deep-sea ostracods from the north-western Pacific Ocean: global biogeography and Drake-Passage, Tethyan, Central American and Arctic pathways. *Journal of Systematic Palaeontology*: doi: 10.1080/14772019.2017.1393019
61. Jöst, A. B.^{#,*}, **Yasuhara, M.***, Okahashi, H., Ostmann, A., Martínez Arbizu, P., Brix, S., 2017. Vertical distribution of living ostracods in deep-sea sediments, North Atlantic Ocean. *Deep Sea Research I*: 122, 113–121.
60. Hong, Y.^{#,*}, **Yasuhara, M.***, Iwatani, H.^{#,*}, Seto, K., Yokoyama, Y., Yoshioka, K., Mamo, B.[#], 2017. Freshwater reservoir construction by damming a marine inlet in Hong Kong: Paleocological evidence of local community change. *Marine Micropaleontology*: 132, 53–59. [Featured as cover]



59. Chiu, W. T. R.^{#,*}, **Yasuhara, M.***, Iwatani, H.^{#,*}, Kitamura, A., Fujita, K., 2017. Response of subtropical submarine-cave ecosystem to Holocene cave development and Asian monsoon variability. *Paleobiology*: 43(3), 425–434.

doi:10.1017/pab.2016.53.

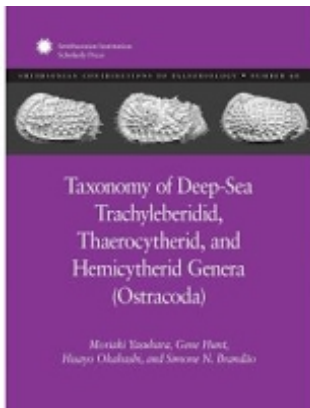
58. Sweetman, A. K., Thurber, A. R., Smith, C. R., Levin, L. A., Mora, C., Wei, C. L., Gooday, A. J., Jones, D. O. B., Rex, M., **Yasuhara M.**, Ingels, J., Ruhl, H. A., Frieder, C. A., Danovaro, R., Würzberg, L., Baco, A., Grupe, B. M., Pasulka, A., Meyer, K. S., Dunlop, K. M., Henry, L. A., Roberts, J. M., 2017. Major impacts of climate change on deep-sea benthic ecosystems. **Elementa**: 5, doi:10.1525/elementa.203.
57. **Yasuhara, M.***, Tittensor, D. P., Hillebrand, H. and Worm, B., 2017. Combining marine macroecology and palaeoecology in understanding biodiversity: microfossils as a model. **Biological Reviews**: 92, 199–215. [Featured as cover]



56. Gemery, L., Cronin, T. M., Briggs, W. M., Jr., Brouwers, E. M., Schornikov, E. I., Stepanova, A., Wood, A. M. and **Yasuhara, M.**, 2017. An Arctic and Subarctic ostracode database: biogeographic and paleoceanographic applications. **Hydrobiologia**: 786, 59–95.
55. Costello, M. J., Basher, Z., McLeod, L., Asaad, I., Claus, S., Vandepitte, L., **Yasuhara, M.**, Gislason, H., Edwards, M., Appeltans, W., Enevoldsen, H., Edgar, G. J., Miloslavich, P., De Monte, S., Sousa Pinto, I., Obura, D. and Bates, A. E., 2017. Methods for the study of marine biodiversity. In: Walters, M., Scholes, R. J. (eds), *The GEO Handbook on Biodiversity Observation Networks*: 129-163. Springer International Publishing.
54. **Yasuhara, M.***, Iwatani, H.[#], Hunt, G., Okahashi, H., Kase, T., Hayashi, H., Irizuki, T., Aguilar, Y. M., Fernando, A. G. S. and Renema, W., 2017. Cenozoic dynamics of shallow-marine biodiversity in the Western Pacific. **Journal of Biogeography**: 44, 567–578.
53. Duprey, N. N., **Yasuhara, M.** and Baker, D. M., 2016. Reefs of tomorrow: eutrophication reduces coral biodiversity in an urbanized seascape. **Global Change Biology**: 22, 3550–3565.
52. **Yasuhara, M.***, Doi, H.*, Wei, C. L.*, Danovaro, R. and Myhre, S. E., 2016. Biodiversity–ecosystem functioning relationships in long-term time series and palaeoecological records: deep sea as a test bed. **Philosophical Transactions of the Royal Society B**: doi:10.1098/rstb.2015.0282.



51. **Yasuhara, M.*** and Danovaro, R., 2016. Temperature impacts on deep-sea biodiversity. **Biological Reviews**: 91, 275–287.
50. Tanaka, H. and **Yasuhara, M.**, 2016. A new deep-sea hydrothermal vent species of Ostracoda (Crustacea) from the western Pacific: Implications for adaptation, endemism, and dispersal of ostracodes in chemosynthetic systems. **Zoological Science**: 33, 555–565.
49. Katsuki, K., Yang, D. Y., Seto, K., **Yasuhara, M.**, Takata, H., Otsuka, M., Nakanishi, T., Yoon, Y., Um, I. K., Cheung, R. C. W.[#], Khim, B. K. and Kashima, K., 2016. Factors controlling typhoons and storm rain on the Korean Peninsula during the Little Ice Age. **Journal of Paleolimnology**, 55: 35–48.
48. Chiu, W. T. R.^{#*}, **Yasuhara, M.**, Iwatani, H., Kitamura, A. and Fujita, K., 2016. An enigmatic Holocene podocopid ostracod from a submarine cave, Okinawa, Japan: ‘living fossil’ or adaptive morphotype? **Journal of Systematic Palaeontology**: 14, 643–652. (doi:10.1080/14772019.2015.1094754)
47. Boero, F., **Yasuhara, M.** 2016. Marine ecosystem degradation. Eds., Williamson, P., Smythe-Wright, D., Burkill, P., Future of the Ocean and its Seas: a non-governmental scientific perspective on seven marine research issues of G7 interest, 44–47.
46. Ingels, J., Clark, M. R., Vecchione, M., Perez, J. A. A., Levin, L. A., Priede, I. G., Sutton, T., Rowden, A. A., Smith, C. R., **Yasuhara, M.**, Sweetman, A. K., Soltwedel, T., Santos, R., Narayanaswamy, B. E., Ruhl, H. A., Fujikura, K., Amaral Zettler, L., Jones, D. O. B., Gates, A. R., Snelgrove, P., Bernal, P., Van Gaever, S. 2016. Chapter 36F. Open Ocean Deep Sea. The First Global Integrated Marine Assessment, World Ocean Assessment I, United Nations, 37 pp
45. **Yasuhara, M.***, Hunt, G., Okahashi, H. and Brandão, S.N., 2015. Taxonomy of Deep-sea Trachyleberidid, Thaerocytherid, and Hemicytherid Genera (Ostracoda). **Smithsonian Contributions to Paleobiology**, 96: 216 pp.



44. **Yasuhara, M.*** and Okahashi, H., 2015. Late Quaternary deep-sea ostracod taxonomy of the eastern North Atlantic Ocean. **Journal of Micropalaeontology**, 34: 21–49.
43. **Yasuhara, M.***, Stepanova, A., Okahashi, H., Cronin, T.M. and Brouwers, E.M., 2014. Taxonomic revision of deep-sea Ostracoda from the Arctic Ocean. **Micropaleontology**, 60: 399–444.
42. **Yasuhara, M.*** and Okahashi, H., 2014. Quaternary deep-sea ostracode taxonomy of Ocean Drilling Program Site 980, eastern North Atlantic Ocean. **Journal of Paleontology**, 88: 770–785.
41. **Yasuhara, M.***, Grimm, M.[#], Brandão, S.N., Jöst, A.[#], Okahashi, H., Iwatani, H.[#], Ostmann, A. and Martínez Arbizu, P., 2014. Deep—sea benthic ostracodes from multiple core and epibenthic sledge samples in Icelandic waters. **Polish Polar Research**, 35: 341–360.
40. **Yasuhara, M.***, Okahashi, H.*, Cronin, T.M., Rasmussen, T.L. and Hunt, G., 2014. Response of deep-sea biodiversity to abrupt deglacial and Holocene climate changes in the North Atlantic Ocean. **Global Ecology and Biogeography**, 23 (9): 957–967. [Featured as cover] [Featured on Nature]



39. Iwatani, H.[#], Murai, K., Irizuki, T. and **Yasuhara, M.**, 2014. A paleobathymetric transition during the mid-Pliocene warm period: Ostracode evidence from Japan. **Palaeogeography, Palaeoclimatology, Palaeoecology**, 399: 173–186.
38. Mora, C., Wei, C.L., Rollo, A., Amaro, T., Baco, A.R., Billett, D., Bopp, L., Chen, Q., Collier, M., Danovaro, R., Gooday, A.J., Grupe, B.M., Halloran, P.R., Ingels, J.,

- Jones, D.O.B., Levin, L.A., Nakano, H., Norling, K., Ramirez-Llodra, E., Rex, M., Ruhl, H.A., Smith, C.R., Sweetman, A.K., Thurber, A.R., Tjiputra, J.F., Usseglio, P., Watling, L., Wu, T. and **Yasuhara, M.**, 2013. Biotic and human vulnerability to projected changes in ocean biogeochemistry over the 21st century. **PLOS Biology**, 11(10): e1001682, doi:10.1371/journal.pbio.1001682.
37. **Yasuhara, M.***, Hunt, G., Okahashi, H. and Brandão, S.N., 2013. The ‘Oxycythereis’ problem: taxonomy and palaeobiogeography of deep-sea ostracod genera *Pennyella* and *Rugocythereis*. **Palaeontology**, 56: 1045–1080.
36. Brandão, S.N., **Yasuhara, M.**, Irizuki, T., Horne, D.J., 2013. The ostracod genus *Trachyleberis* (Crustacea; Ostracoda) and its type species. **Marine Biodiversity**, 43: 363–405.
35. Brandão, S.N., **Yasuhara, M.**, 2013. Challenging deep-sea cosmopolitanism: taxonomic re-evaluation and biogeography of ‘*Cythere dasyderma* Brady, 1880’ (Ostracoda). **Journal of Micropalaeontology**, 32: 109–122.
34. Iwatani, H.[#], Irizuki, T., **Yasuhara, M.**, 2013. Occurrence of a rare puncioid ostracod, *Promanawa konishii* (Nohara, 1976), in Recent sediments of the East China Sea. **Journal of Micropalaeontology**, 32: 221–223.
33. Kaiser, S., Brandão, S.N., Brix, S., Barnes, D.K.A., Bowden, D.A., Ingels, J., Leese, F., Schiaparelli, S., Arango, C.P., Badhe, R., Bax, N., Blazewicz-Paszkowycz, M., Brandt, A., Brenke, N., Catarino, A., David, B., Ridder, C., Dubois, P., Ellingsen, K.E., Glover, A.G., Griffiths, H.J., Gutt, J., Halanych, K.M., Havermans, C., Held, C., Janussen, D., Lörz, A.N., Pearce, D.A., Pierrat, B., Riehl, T., Rose, A., Sands, C.J., Soler-Membrives, A., Schüller, M., Strugnell, J.M., Vanreusel, A., Veit-Köhler, G., Wilson, N.G., **Yasuhara, M.**, 2013. Patterns, processes and vulnerability of Southern Ocean benthos: a decadal leap in knowledge and understanding. **Marine Biology**, 160: 2295–2317.
32. **Yasuhara, M.***, Hunt, G., Breitburg, D., Tsujimoto, A., Katsuki, K., 2012. Human-induced marine ecological degradation: micropaleontological perspectives. **Ecology and Evolution**, 2: 3242–3268.
31. **Yasuhara, M.***, Hunt, G., Dowsett, H. J., Robinson, M. M., Stoll, D. K., 2012. Latitudinal species diversity gradient of marine zooplankton for the last three million years. **Ecology Letters**, 15: 1174–1179. [Featured as cover] [Featured on Science]

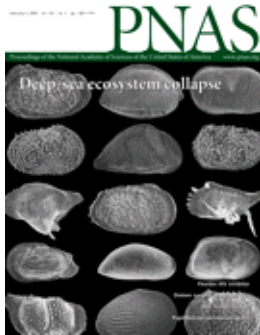


30. **Yasuhara, M.***, Hunt, G., van Dijken, G., Arrigo, K. R., Cronin, T. M., Wollenburg, J. E., 2012. Patterns and controlling factors of species diversity in the Arctic Ocean. **Journal of Biogeography**, 39: 2081–2088.
29. **Yasuhara, M.***, Hunt, G., Cronin, T. M., Hokanishi, N., Kawahata, H., Tsujimoto, A., Ishitake, M., 2012. Climatic forcing of Quaternary deep-sea benthic communities in the North Pacific Ocean. **Paleobiology**, 38: 162–179.
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Erratum:

1. **Yasuhara, M.**, Yoshikawa, S., Nanayama, F., 2006. Erratum to “Reconstruction of the Holocene seismic history of a seabed fault using relative sea-level curves

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7. **Yasuhara, M.**, 2007. Holocene inner-bay ostracodes and environmental changes: influences of anthropogenic pollution in broad sense. In. Kumai et al. (eds.), The Natural History of Anthropogene, p. 161–172 (in Japanese).
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3. **Yasuhara, M.**, Okahashi, H., Hirose, K., Mitamura, M., Yoshikawa, S., Uchiyama, M., Haraguchi, T., 2002. Preliminary report on ostracode assemblages from event deposits in Holocene coastal marsh deposits from Osatsu, Toba City, Mie Prefecture, Central Japan. Daishiki 34, 27–31 (in Japanese).
2. **Yasuhara, M.**, 2000. Result of fossil ostracode analysis. Report of Osaka Center for Cultural Heritage 48, 187–189 (in Japanese).
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Selected Presentations:

Invited talks:

49. **Yasuhara, M.** 2018. Human-induced marine ecological degradation: micropaleontology and the Anthropocene. Japan Geoscience Union Meeting 2018, Makuhari Messe, Chiba, Japan.
48. **Yasuhara, M.** 2018. Combining marine macroecology and paleoecology in understanding biodiversity. An invited seminar in Academia Sinica, Taiwan.
47. **Yasuhara, M.** 2017. Ostracod distribution around Iceland. IceAGE (Icelandic Marine Animals: Genetics and Ecology) workshop, Spała, Poland.
46. **Yasuhara, M.** 2017. Temporal dynamics of marine latitudinal diversity gradients. Ecological Society of Japan Annual Meeting, Waseda, Japan
45. **Yasuhara, M.** 2017. Combining marine macroecology and paleoecology in understanding biodiversity. International Symposium: Frontiers in Biodiversity Conservation Science, Okinawa, Japan
44. **Yasuhara, M.** 2016. Combining marine macroecology and paleoecology in understanding biodiversity. An invited seminar in The University of Hong Kong, Hong Kong SAR, China
43. **Yasuhara, M.** 2016. Combining marine macroecology and paleoecology in understanding biodiversity. An invited seminar in Yale University, New Haven, USA
42. **Yasuhara, M.** 2016. Combining marine macroecology and paleoecology in understanding biodiversity. Paleobiology seminar in Smithsonian Institution, Washington DC, USA
41. **Yasuhara, M.** 2016. Combining marine macroecology and paleoecology in understanding biodiversity. An invited seminar in US Geological Survey, Reston, USA
40. **Yasuhara, M.** 2016. Combining marine macroecology and paleoecology in understanding biodiversity. An invited seminar in Dalhousie University, Halifax, Canada
39. **Yasuhara, M.** 2016. Combining marine macroecology and paleoecology in understanding biodiversity. An invited seminar in Woods Hole Oceanographic Institution, Woods Hole, USA
38. **Yasuhara, M.** 2016. Combining marine macroecology and paleoecology in understanding biodiversity. An invited seminar in University Wisconsin-Madison, Wisconsin, USA
37. **Yasuhara, M.** 2016. Climatic and anthropogenic impacts on marine ecosystems: a paleoecological perspective. Workshop: Historical Ecology and Conservation Paleobiology in University of Vienna, Austria.
36. **Yasuhara, M.** 2016. Introduction to ostracode micropaleontology. Workshop: Historical Ecology and Conservation Paleobiology in University of Vienna, Austria.
35. **Yasuhara, M.** 2015. Introduction to ostracode micropaleontology and ostracode

- under the microscope. Workshop: Greenhouse gases in the ocean and climate change (Geo-8144 and Geo-8145) in The Arctic University of Norway, Tromsø, Norway.
34. **Yasuhara, M.** 2015. Climatic and anthropogenic impacts on marine ecosystems: a paleoecological perspective. Workshop: Greenhouse gases in the ocean and climate change (Geo-8144 and Geo-8145) in The Arctic University of Norway, Tromsø, Norway.
 33. **Yasuhara, M.** 2015. Temperature impacts on deep-sea biodiversity. Paleontological Society of Japan Meeting, Tsukuba, Japan.
 32. **Yasuhara, M.** 2015. Marine ecosystem history research, my research history, and academic job hunting abroad. Ecological Society of Japan Annual Meeting, Kagoshima, Japan.
 31. **Yasuhara, M.** 2015. Climatic and anthropogenic impacts on marine ecosystems: a paleoecological and micropaleontological perspectives. An invited seminar in Hiroshima University, Hiroshima, Japan.
 30. **Yasuhara, M.** 2015. Climatic and anthropogenic impacts on marine ecosystems: a paleoecological perspective. An invited seminar in National Taiwan Ocean University, Keelung, Taiwan.
 29. **Yasuhara, M.** 2015. Climatic and anthropogenic impacts on marine ecosystems: a paleoecological perspective. An invited seminar in National Taiwan University, Taipei, Taiwan.
 28. **Yasuhara, M.** 2014. Deep-Sea Biodiversity Response to Abrupt Deglacial and Holocene Climate Changes. American Geophysical Union Fall Meeting, San Francisco, USA.
 27. **Yasuhara, M.** 2014. Marine macroecology and paleoecology in biodiversity research. bioDISCOVERY Scientific Committee Meeting, Paris, France.
 26. **Yasuhara, M.** 2014. Climatic and anthropogenic impacts on marine ecosystems: a paleoecological and micropaleontological perspective. An invited Seminar in the Tokyo University of Marine Science and Technology.
 25. **Yasuhara, M.** 2014. Marine meiofaunal macroecology and paleoecology: microfossil Ostracoda and Foraminifera as models. World Conference on Marine Biodiversity, Qingdao China.
 24. **Yasuhara, M.** 2014. Deep-sea biodiversity dynamics and faunal evolution throughout the Cenozoic. World Conference on Marine Biodiversity, Qingdao China.
 23. **Yasuhara, M.** 2014. Deep-sea biodiversity response to abrupt climate changes for the last 20,000 years. North American Paleontological Convention, Florida, USA.
 22. **Yasuhara, M.** 2014. Climatic and anthropogenic impacts on marine ecosystems: a paleoecological and micropaleontological perspective. 1st Meeting of Asian Ostracodologists, Seoul, Korea.
 21. **Yasuhara, M.** 2013. Climatic impact on deep-sea biodiversity: paleoecological

- approach. An invited seminar in Naturalis Biodiversity Center, Leiden, Netherlands.
20. **Yasuhara, M.** 2013. Marine ecosystem response to environmental changes. An invited seminar in the Ehime University, Ehime, Japan.
 19. **Yasuhara, M.** 2013. Human-induced marine ecological degradation: microfossil perspectives. Joint International Seminar (The University of Hong Kong and University of Ryukyus): Past and present changes in marine ecosystems and biodiversity in the Asia-Pacific region. University of Ryukyus, Okinawa, Japan.
 18. **Yasuhara, M.**, 2012. Climatic impact on deep-sea biodiversity: paleoecological approach. IceAGE workshop 4: genetic results, German Centre of Marine Biodiversity Research (DZMB), Wilhelmshaven, Germany.
 17. **Yasuhara, M.**, 2012. Climatic impact on deep-sea biodiversity: paleoecological approach, CLIDEEP workshop at Friday Harbor Labs, University of Washington, USA.
 16. **Yasuhara, M.**, 2012. Human-induced marine ecological degradation: microfossil perspectives, An invited seminar in the Korea Institute of Geoscience and Mineral Resources (KIGAM), South Korea.
 15. **Yasuhara, M.**, 2011. Marine ecosystem response to environmental changes, Invited lecture for International Research Hub Project for Climate Change and Coral Reef/Island Dynamics, University of Ryukyus, Okinawa, Japan.
 14. **Yasuhara, M.**, 2011. Ostracod micropaleontology, Invited lecture for undergraduate students, Department of Physics and Earth Sciences, University of Ryukyus, Japan.
 13. **Yasuhara, M.**, 2011. Marine ecosystem history: A micropaleontological perspective. Marine and Freshwater Biology Module Special Guest Seminar, School of Biological Sciences, University of Hong Kong.
 12. **Yasuhara, M.**, 2010. Marine ecosystem history: A micropaleontological perspective. Seminar in Atmosphere and Ocean Research Institute, The University of Tokyo, Japan.
 11. **Yasuhara, M.**, 2010. Marine ecosystem history: A micropaleontological perspective. 1st Workshop on "Research Center for Global Environmental Change by Earth Drilling Sciences", Kochi University, Japan.
 10. **Yasuhara, M.**, 2010. Deep-sea ecosystem response to climate changes. Center for Advanced Marine Core Research, Kochi University, Special Seminar, Kochi, Japan.
 9. **Yasuhara, M.**, 2010. Marine ecosystem history: A micropaleontological perspective. Seminar in the University of Hong Kong.
 8. **Yasuhara, M.**, 2010. Deep-sea ecosystem response to climate changes. Smithsonian Institution, National Museum of Natural History, Paleobiology Seminar, Washington DC, USA.
 7. **Yasuhara, M.**, 2010. Marine ecosystem response to environmental changes. Seminar

in Department of Earth and Planetary Science, University of Tokyo.

6. **Yasuhara, M.**, 2010. Deep-sea ecosystem response to climate changes. Micropaleontology Reference Center Meeting 2010 in the Shimane University, Japan.
5. **Yasuhara, M.**, 2010. Southern Ocean ecosystem history: micropaleontological perspective. Workshop on “Southern Ocean benthic biodiversity and biogeography: What are the key spatial patterns in macro-and megabenthos and what drives them?”, German Centre of Marine Biodiversity Research (DZMB), Wilhelmshaven, Germany.
4. Tsujimoto, A., **Yasuhara, M.**, Yamazaki, H., Hirose, K., 2009. The Effect of Anthropogenic Eutrophication on a Shallow Marine Benthic Ecosystem: Microfossil Records over the Last 200 Years in Osaka Bay, Japan. 3rd National Conference on Ecosystem Restoration, Los Angeles, CA.
3. **Yasuhara, M.**, 2008. Marine ecosystem history: What fossil records tell us. Smithsonian Environmental Research Center.
2. **Yasuhara, M.**, 2008. Marine ecosystem history research. Center for Marine Environmental Studies, Ehime University, Japan.
1. **Yasuhara, M.**, 2007. Late Quaternary environmental changes and marine ecosystem response: Emphasizing anthropogenic pollution and abrupt climate changes. Faculty of Fisheries, Nagasaki University, Japan.

Session organizer:

- 3 Naqvi, S. W. A., Jacinto, G., **Yasuhara, M.**, Zhang, J., 2014. Session BG09-OS: Ocean Deoxygenation in the Asia-pacific Region. Asia Oceanic Geosciences Society (AOGS) 15th Annual Meeting, Hawaii, USA
- 2 Glover, A., **Yasuhara M.**, Bik, H. Rex, M. 2014. Session 8: Evolution in the Deep Sea: Origins, Adaptation and Diversity. 3rd World Conference on Marine Biodiversity (WCMB-2014), Qingdao, China
1. **Yasuhara, M.**, Tsugeki, N., 2012. SS21: Long-Term Ecosystem and Biodiversity Dynamics: Time-Series and Paleoecological Studies. ASLO Aquatic Sciences Meeting, Shiga, Japan.

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