Minoru Ikehara

List of Publications by Year in descending order

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136950 189892 2,962 115 32 50 h-index citations g-index papers 120 120 120 3586 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Sediment core profiles of long-chain n-alkanes in the Sea of Okhotsk: Enhanced transport of terrestrial organic matter from the last deglaciation to the early Holocene. Geophysical Research Letters, 2003, 30, 1-1-1-4.	4.0	329
2	Reconstruction of paleoproductivity in the Sea of Okhotsk over the last 30 kyr. Paleoceanography, 2004, 19, n/a-n/a.	3.0	99
3	Ice-rafted debris (IRD)-based sea-ice expansion events during the past 100kyrs in the Okhotsk Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 2275-2301.	1.4	96
4	Rapid fluctuation of alkenone temperature in the southwestern Okhotsk Sea during the past 120Âky. Global and Planetary Change, 2006, 53, 29-46.	3.5	85
5	Coupled organic and inorganic carbon cycling in the deep subseafloor sediment of the northeastern Bering Sea Slope (IODP Exp. 323). Chemical Geology, 2011, 284, 251-261.	3.3	79
6	Deep-biosphere methane production stimulated by geofluids in the Nankai accretionary complex. Science Advances, 2018, 4, eaao4631.	10.3	79
7	Aerobic microbial life persists in oxic marine sediment as old as 101.5 million years. Nature Communications, 2020, 11, 3626.	12.8	72
8	Solar forcing of centennial-scale East Asian winter monsoon variability in the mid- to late Holocene. Earth and Planetary Science Letters, 2014, 395, 124-135.	4.4	70
9	Biogenic opal indicating less productive northwestern North Pacific during the glacial ages. Geophysical Research Letters, 2002, 29, 22-1-22-4.	4.0	69
10	Late Quaternary paleoceanographic changes in the southwestern Okhotsk Sea: Evidence from geochemical, radiolarian, and diatom records. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 2332-2350.	1.4	69
11	A 500,000 year record of Indian summer monsoon dynamics recorded by eastern equatorial Indian Ocean upper water-column structure. Quaternary Science Reviews, 2013, 77, 167-180.	3.0	69
12	Radiolarians under the seasonally sea-ice covered conditions in the Okhotsk Sea: flux and their implications for paleoceanography. Marine Micropaleontology, 2003, 49, 195-230.	1.2	66
13	Weak monsoon event at 4.2Âka recorded in sediment from Lake Rara, Himalayas. Quaternary International, 2016, 397, 349-359.	1.5	65
14	Evidence of frictional melting from disk-shaped black material, discovered within the Taiwan Chelungpu fault system. Geophysical Research Letters, 2006, 33, .	4.0	61
15	Variation of alkenone sea surface temperature in the Sea of Okhotsk over the last 85 kyrs. Organic Geochemistry, 2004, 35, 347-354.	1.8	58
16	Middle Archean volcano-hydrothermal sequence: Bacterial microfossil-bearing 3.2 Ga Dixon Island Formation, coastal Pilbara terrane, Australia. Bulletin of the Geological Society of America, 2006, 118, 3-22.	3.3	56
17	A chemical kinetic approach to estimate dynamic shear stress during the 1999 Taiwan Chi hi earthquake. Geophysical Research Letters, 2007, 34, .	4.0	51
18	Abrupt changes of intermediate water properties on the northeastern slope of the Bering Sea during the last glacial and deglacial period. Paleoceanography, 2012, 27, .	3.0	50

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19	Correction to $\hat{a} \in \omega$ Origin of magnetic mineral concentration variation in the Southern Ocean $\hat{a} \in \omega$ Paleoceanography, 2012, 27, .	3.0	49
20	Alkenone sea surface temperature in the Southern Ocean for the last two deglaciations. Geophysical Research Letters, 1997, 24, 679-682.	4.0	45
21	Pliocene cooling enhanced by flow of low-salinity Bering Sea water to the Arctic Ocean. Nature Communications, 2015, 6, 7587.	12.8	45
22	Millennial-scale variations of sea-ice expansion in the southwestern part of the Okhotsk Sea during the past 120Âkyr: Age model and ice-rafted debris in IMAGES Core MD01-2412. Global and Planetary Change, 2006, 53, 58-77.	3.5	43
23	Diatom record of the late Holocene in the Okhotsk Sea. Marine Micropaleontology, 2003, 49, 139-156.	1.2	40
24	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica – Part 1: Insights from late Oligocene astronomically paced contourite sedimentation. Climate of the Past, 2018, 14, 991-1014.	3.4	40
25	Bolide impact triggered the Late Triassic extinction event in equatorial Panthalassa. Scientific Reports, 2016, 6, 29609.	3.3	39
26	Carbon cycle dynamics linked with Karoo-Ferrar volcanism and astronomical cycles during Pliensbachian-Toarcian (Early Jurassic). Global and Planetary Change, 2018, 170, 163-171.	3.5	39
27	A sea-level plateau preceding the Marine Isotope Stage 2 minima revealed by Australian sediments. Scientific Reports, 2019, 9, 6449.	3.3	39
28	Variations of terrestrial input and marine productivity in the Southern Ocean (48°S) during the last two deglaciations. Paleoceanography, 2000, 15, 170-180.	3.0	37
29	Shoaling of the western equatorial Pacific thermocline during the last glacial maximum inferred from multispecies temperature reconstruction of planktonic foraminifera. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 346-347, 120-129.	2.3	36
30	Origin of magnetic mineral concentration variation in the Southern Ocean. Paleoceanography, 2012, 27, .	3.0	36
31	Sedimentology of the Paleoproterozoic Kungarra Formation, Turee Creek Group, Western Australia: A conformable record of the transition from early to modern Earth. Precambrian Research, 2015, 256, 314-343.	2.7	35
32	Stratigraphy and wiggle-matching-based age-depth model of late Holocene marine sediments in Beppu Bay, southwest Japan. Journal of Asian Earth Sciences, 2013, 69, 133-148.	2.3	33
33	Orbital-scale benthic foraminiferal oxygen isotope stratigraphy at the northern Bering Sea Slope Site U1343 (IODP Expedition 323) and its Pleistocene paleoceanographic significance. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 125-126, 66-83.	1.4	33
34	Spatial distribution of organic and sulfur geochemical parameters of oxic to anoxic surface sediments in Beppu Bay in southwest Japan. Estuarine, Coastal and Shelf Science, 2007, 72, 348-358.	2.1	32
35	Marine biomarkers deposited on coastal land by the 2011 Tohoku-oki tsunami. Natural Hazards, 2015, 77, 445-460.	3.4	31
36	Reappraisal of sea-level lowstand during the Last Glacial Maximum observed in the Bonaparte Gulf sediments, northwestern Australia. Quaternary International, 2016, 397, 373-379.	1.5	29

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37	Age model, physical properties and paleoceanographic implications of the middle Pleistocene core sediments in the Choshi area, central Japan. Island Arc, 2006, 15, 366-377.	1.1	27
38	Low total and inorganic carbon contents within the Taiwan Chelungpu fault system. Geochemical Journal, 2007, 41, 391-396.	1.0	26
39	Multi-decadal trends in Antarctic sea-ice extent driven by ENSO–SAM over the last 2,000 years. Nature Geoscience, 2021, 14, 156-160.	12.9	26
40	Stratigraphic relationships between the last occurrence of Neogloboquadrina inglei and marine isotope stages in the northwest Pacific, D/V Chikyu Expedition 902, Hole C9001C. Newsletters on Stratigraphy, 2011 , 44 , $113-122$.	1.2	25
41	Geochemical characteristics of deposits from the 2011 Tohokuâ€oki tsunami at Hasunuma, Kujukuri coastal plain, Japan. Island Arc, 2016, 25, 350-368.	1.1	25
42	Carbonate dissolution and planktonic foraminiferal assemblages observed in three piston cores collected above the lysocline in the western equatorial Pacific. Marine Micropaleontology, 2003, 47, 227-251.	1.2	24
43	Early Triassic (Induan) Radiolaria and carbon-isotope ratios of a deep-sea sequence from Waiheke Island, North Island, New Zealand. Palaeoworld, 2011, 20, 166-178.	1.1	24
44	Tracking aquatic change using chlorinâ€specific carbon and nitrogen isotopes: The last glacialâ€interglacial transition at Lake Suigetsu, Japan. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	23
45	Vertical thermal structure history in the western subtropical North Pacific since the Last Glacial Maximum. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	22
46	Decreased surface salinity in the Sea of Okhotsk during the last glacial period estimated from alkenones. Geophysical Research Letters, 2005, 32, .	4.0	21
47	Early to Middle Pleistocene paleoceanographic history of southern Japan based on radiolarian data from IODP Exp. 314/315 Sites C0001 and C0002. Marine Micropaleontology, 2015, 118, 17-33.	1.2	21
48	Surface nitrate utilization in the Bering sea since 180 kA BP: Insight from sedimentary nitrogen isotopes. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 125-126, 163-176.	1.4	20
49	Cycladophora davisiana (Radiolaria) in the Okhotsk Sea: A key for reconstructing glacial ocean conditions. Journal of Oceanography, 2006, 62, 639-648.	1.7	19
50	Lithostratigraphic analysis of a new stromatolite–thrombolite reef from across the rise of atmospheric oxygen in the Paleoproterozoic Turee Creek Group, Western Australia. Geobiology, 2016, 14, 317-343.	2.4	19
51	Organochemical characteristics of carbonaceous materials as indicators of heat recorded on an ancient plateâ€subduction fault. Geochemistry, Geophysics, Geosystems, 2016, 17, 2855-2868.	2.5	18
52	Orbital-scale denitrification changes in the Eastern Arabian Sea during the last 800 kyrs. Scientific Reports, 2018, 8, 7027.	3.3	18
53	Estimated dynamic shear stress and frictional heat during the 1999 Taiwan Chi-Chi earthquake: A chemical kinetics approach with isothermal heating experiments. Tectonophysics, 2009, 469, 73-84.	2.2	17
54	Sakurajima-Satsuma (Sz-S) and Noike-Yumugi (N-Ym) tephras: New tephrochronological marker beds for the last deglaciation, southern Kyushu, Japan. Quaternary International, 2011, 246, 203-212.	1.5	17

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55	Holocene migration of oceanic front systems over the Conrad Rise in the Indian Sector of the Southern Ocean. Journal of Quaternary Science, 2012, 27, 203-210.	2.1	16
56	Last Abundant Appearance Datum of Hemidiscus karstenii driven by climate change. Marine Micropaleontology, 2020, 157, 101861.	1.2	16
57	Estimation of slip parameters associated with frictional heating during the 1999 Taiwan Chi-Chi earthquake by vitrinite reflectance geothermometry. Earth, Planets and Space, 2014, 66, .	2.5	14
58	Antarctic Polar Front migrations in the Kerguelen Plateau region, Southern Ocean, over the past 360 kyrs. Global and Planetary Change, 2021, 202, 103526.	3.5	14
59	The variations in the East Asian summer monsoon over the past 3 kyrs and the controlling factors. Scientific Reports, 2019, 9, 5036.	3.3	13
60	Impact of the Agulhas Return Current on the oceanography of the Kerguelen Plateau region, Southern Ocean, over the last 40 kyrs. Quaternary Science Reviews, 2021, 251, 106711.	3.0	13
61	An ocean-floor carbonaceous sedimentary sequence in the 3.2-Ga Dixon Island Formation, coastal Pilbara terrane, Western Australia. Precambrian Research, 2014, 255, 124-143.	2.7	12
62	Radiolarian biostratigraphic scheme and stable oxygen isotope stratigraphy in southern Japan (IODP) Tj ETQq0 (0 0 rgBT /C	overlock 10 Tf
63	Equatorial Pacific seawater pCO2 variability since the last glacial period. Scientific Reports, 2019, 9, 13814.	3.3	12
64	Detrital Sr–Nd isotopes, sediment provenances and depositional processes in the Laxmi Basin of the Arabian Sea during the last 800 ka. Geological Magazine, 2020, 157, 895-907.	1.5	12
65	Innovative microfossil (radiolarian) analysis using a system for automated image collection and Al-based classification of species. Scientific Reports, 2020, 10, 21136.	3.3	12
66	Sea surface temperature in the Indian sector of the Southern Ocean over the Late Glacial and Holocene. Climate of the Past, 2020, 16, 1451-1467.	3.4	12
67	Hydrogeological responses to incoming materials at the erosional subduction margin, offshore <scp>O</scp> sa <scp>P</scp> eninsula, <scp>C</scp> osta <scp>R</scp> ica. Geochemistry, Geophysics, Geosystems, 2015, 16, 2725-2742.	2.5	11
68	Geochemical Features of Redox-Sensitive Trace Metals in Sediments under Oxygen-Depleted Marine Environments. Minerals (Basel, Switzerland), 2020, 10, 1021.	2.0	11
69	Progressive development of ocean anoxia in the end-Permian pelagic Panthalassa. Global and Planetary Change, 2021, 207, 103650.	3.5	11
70	Changes in the depth habitat of the Oligocene planktic foraminifera (Dentoglobigerina venezuelana) induced by thermocline deepening in the eastern equatorial Pacific. Paleoceanography, 2016, 31, 715-731.	3.0	10
71	Microâ€CT Scanning of Tests of Three Planktic Foraminiferal Species to Clarify DissolutionProcess and Progress. Geochemistry, Geophysics, Geosystems, 2019, 20, 6051-6065.	2.5	10
72	Effects of tides and weather on sedimentation of ironâ€oxyhydroxides in a shallowâ€marine hydrothermal environment at Nagahama Bay, Satsuma Iwoâ€ima Island, Kagoshima, southwest Japan. Island Arc, 2012, 21, 66-78.	1.1	9

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73	Filamentous microbial fossil from low-grade metamorphosed basalt in northern Chichibu belt, central Shikoku, Japan. Planetary and Space Science, 2014, 95, 84-93.	1.7	9
74	Enhanced marine productivity in the Kuroshio region off Shikoku during the last glacial period inferred from the accumulation and carbon isotopes of sedimentary organic matter. Journal of Quaternary Science, 2009, 24, 848-855.	2.1	8
75	Sediment waves on the Conrad Rise, Southern Indian Ocean: Implications for the migration history of the Antarctic Circumpolar Current. Marine Geology, 2014, 348, 27-36.	2.1	8
76	Earth system feedback statistically extracted from the Indian Ocean deep-sea sediments recording Eocene hyperthermals. Scientific Reports, 2017, 7, 11304.	3.3	8
77	Implications of carbon isotope ratios of C27-C33alkanes and C37alkenes for the sources of organic matter in the southern ocean surface sediments. Geophysical Research Letters, 2000, 27, 233-236.	4.0	7
78	Relationship between \hat{l}' 15 N values of bulk sediments and total organic carbon concentration in response to orbital-scale biogenic opal production in the Bering slope area over the last 600 kyrs. Quaternary International, 2017, 459, 144-152.	1.5	7
79	Vertical thermal gradient history in the eastern equatorial Pacific during the early to middle Miocene: Implications for the equatorial thermocline development. Paleoceanography, 2017, 32, 729-743.	3.0	7
80	Sea Surface Temperatures in the Indian Subâ€Antarctic Southern Ocean for the Last Four Interglacial Periods. Geophysical Research Letters, 2021, 48, e2020GL090994.	4.0	7
81	Lateral variations in the lithology and organic chemistry of a black shale sequence on the Mesoarchean seafloor affected by hydrothermal processes: The Dixon Island Formation of the coastal Pilbara Terrane, Western Australia. Island Arc, 2012, 21, 118-147.	1.1	6
82	Sedimentary environmental change induced from late Quaternary sea-level change in the Bonaparte Gulf, northwestern Australia. Geoscience Letters, 2016, 3, .	3.3	6
83	Changes in upper ocean hydrography and productivity across the Middle Eocene Climatic Optimum: Local insights and global implications from the Northwest Atlantic. Global and Planetary Change, 2020, 193, 103258.	3.5	6
84	Temporal variation in radiocarbon pathways caused by sea-level and tidal changes in the Bonaparte Gulf, northwestern Australia. Quaternary Science Reviews, 2021, 266, 107079.	3.0	6
85	Integrated Neogene biochemostratigraphy at DSDP Site 296 on the Kyushu–Palau Ridge in the western North Pacific. Newsletters on Stratigraphy, 2020, 53, 313-331.	1.2	6
86	Recrystallized microbial trace fossils from metamorphosed Permian basalt, southwestern Japan. Planetary and Space Science, 2014, 95, 79-83.	1.7	5
87	Intensification of North Pacific intermediate water ventilation during the Younger Dryas. Geo-Marine Letters, 2016, 36, 353-360.	1.1	5
88	Using foraminiferal Mg/Ca ratios to detect an ocean-warming trend in the twentieth century from coastal shelf sediments in the Bungo Channel, southwest Japan. Holocene, 2009, 19, 285-294.	1.7	4
89	Orbital obliquity cycles recorded in Kuroshio Current region, eastern Asia, around Plio–Pleistocene boundary. Quaternary Science Reviews, 2016, 140, 67-74.	3.0	4
90	Late Quaternary tephrostratigraphy and cryptotephrostratigraphy of core MD012422: Improving marine tephrostratigraphy of the NW Pacific. Quaternary Science Reviews, 2021, 257, 106808.	3.0	4

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91	Comprehensive analysis of laboratory boron contamination for boron isotope analyses of small carbonate samples. Chemical Geology, 2021, 576, 120280.	3.3	4
92	Online oxygen isotope analysis of subâ€milligram quantities of biogenic opal using the inductive highâ€ŧemperature carbon reduction method coupled with continuousâ€flow isotope ratio mass spectrometry. Journal of Quaternary Science, 2014, 29, 455-462.	2.1	3
93	Identifying tsunami traces beyond sandy tsunami deposits using terrigenous biomarkers: a case study of the 2011 Tohoku-oki tsunami in a coastal pine forest, northern Japan. Progress in Earth and Planetary Science, 2022 , 9 , .	3.0	3
94	Correction to "A chemical kinetic approach to estimate dynamic shear stress during the 1999 Taiwan Chi-Chi earthquake― Geophysical Research Letters, 2008, 35, .	4.0	2
95	North-south Shift of Oceanic Fronts in the Southern Ocean: Linkage between Migration of Sea Ice Coverage, Antarctic Polar Front, Antarctic Circumpolar Current, and Global Climate Change from the Present to Late Quaternary. Journal of Geography (Chigaku Zasshi), 2012, 121, 518-535.	0.3	2
96	Geochemistry of an Aptian bedded chert succession from the deep Pacific basin: New insights into Cretaceous oceanic anoxic event (OAE) 1a. Special Paper of the Geological Society of America, 0, , 305-328.	0.5	2
97	Geochemical constraints on the depositional environment of the 1.84 Ga Embury Lake Formation, Flin Flon Belt, Canada. Island Arc, 2020, 29, e12343.	1.1	2
98	Purification of Disc-Shaped Diatoms from the Southern Ocean Sediment by a Cell Sorter to Obtain an Accurate Oxygen Isotope Record. ACS Earth and Space Chemistry, 0, , .	2.7	2
99	Developing community-based scientific priorities and new drilling proposals in the southern Indian and southwestern Pacific oceans. Scientific Drilling, 0, 24, 61-70.	0.6	2
100	Late Holocene centennial to millennial-scale variability in lower trophic level productivity off southern Hokkaido, Japan, and its response to dissolved iron-replete Coastal Oyashio dynamics. Quaternary Research, 2022, 107, 27-42.	1.7	2
101	Increase in acetate concentrations during sediment sample onboard storage: a caution for pore-water geochemical analyses. Geochemical Journal, 2013, 47, 567-571.	1.0	1
102	Seasonal variability of δ 18 O and δ 13 C of planktic foraminifera in the Bering Sea and central subarctic Pacific during 1990–2000. Paleoceanography, 2015, 30, 1328-1346.	3.0	1
103	Hydrothermal formation of iron-oxyhydroxide chimney mounds in a shallow semi-enclosed bay at Satsuma Iwo-Jima Island, Kagoshima, Japan. Bulletin of the Geological Society of America, 2021, 133, 1890-1908.	3.3	1
104	Exploring new drilling prospects in the southwest Pacific. Scientific Drilling, 0, 17, 45-50.	0.6	1
105	A new deep-sea species of Flabelligena from off the South Orkney Islands, the Southern Ocean. Biodiversity Data Journal, 2020, 8, e53312.	0.8	1
106	Taxonomy and distribution of deep benthos collected in and around the Southern Ocean during the 30th Anniversary expeditions of R/V Hakuho Maru: Annelida, Mollusca, Ostracoda, Decapoda, and Echinodermata. Polar Science, 2022, 32, 100846.	1,2	1
107	Unique behavior of marine conditions in the Java Sea reconstructed from a 70 yr coral Î%lt;sup>180 and Sr/Ca record from the Seribu Islands, Indonesia. Geochemical Journal, 2022, 56, e1-e7.	1.0	1
108	Glacial-Interglacial Variations in Organic Carbon Burial in the Northwest Pacific Ocean Over the Last 380 kyr and its Environmental Implications. Frontiers in Earth Science, 0, 10, .	1.8	1

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109	Orbital-Scale Paleoceanographic Response to the Indian Monsoon in the Laxmi Basin of the Eastern Arabian Sea. Advances in Science, Technology and Innovation, 2019, , 9-11.	0.4	0
110	Thematic section: Special topics in 4th <scp>IGS</scp> †Precambrian World 2†M. Island Arc, 2020, 29, e12360.	1.1	0
111	High-resolution upper Maastrichtian carbon isotope stratigraphy of terrestrial organic matter from northern Japan. Newsletters on Stratigraphy, 2022, 55, 137-157.	1.2	0
112	Oxygen Isotope Equilibrium of the Shallow-Water Benthic Foraminifer Hanzawaia nipponica Asano in Tosa Bay, Southwest Japan. Frontiers in Earth Science, 2021, 9, .	1.8	0
113	Variations of Biogenic Components in the Region off the Lutzow-Holm Bay, East Antarctica during the Last 700 Kyr. Ocean and Polar Research, 2011, 33, 211-221.	0.3	0
114	Marine and terrestrial biomarkers records in IODP Site 1432C in the South China Sea: linkage between paleoceanography and paleoclimate variability since the last 400 kyrs. Journal of the Geological Society of Korea, 2022, 58, 37-49.	0.7	0
115	Dust correlation and oxygen isotope stratigraphy in the Southern Ocean over the last 450 kyrs: An Indian sector perspective. Quaternary Science Reviews, 2022, 286, 107508.	3.0	0