

# Emi Ito

## List of Publications by Year in descending order

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90  
papers

8,181  
citations

57719

44  
h-index

54882

84  
g-index

90  
all docs

90  
docs citations

90  
times ranked

6481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene moisture evolution in arid central Asia and its out-of-phase relationship with Asian monsoon history. <i>Quaternary Science Reviews</i> , 2008, 27, 351-364.	1.4	967
2	Sea-Surface Temperature from Coral Skeletal Strontium/Calcium Ratios. <i>Science</i> , 1992, 257, 644-647.	6.0	677
3	The O, Sr, Nd and Pb isotope geochemistry of MORB. <i>Chemical Geology</i> , 1987, 62, 157-176.	1.4	594
4	K, U and Th in mid-ocean ridge basalt glasses and heat production, K/U and K/Rb in the mantle. <i>Nature</i> , 1983, 306, 431-436.	13.7	390
5	Alteration of oceanic crust and geologic cycling of chlorine and water. <i>Geochimica Et Cosmochimica Acta</i> , 1983, 47, 1613-1624.	1.6	279
6	Interhemispheric anti-phasing of rainfall during the last glacial period. <i>Quaternary Science Reviews</i> , 2006, 25, 3391-3403.	1.4	242
7	Millennial-scale precipitation changes in southern Brazil over the past 90,000 years. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	237
8	Elevated and variable values of $^{13}\text{C}$ in speleothems in a British cave system. <i>Chemical Geology</i> , 1997, 136, 263-270.	1.4	226
9	Holocene vegetation and climate history at Hurleg Lake in the Qaidam Basin, northwest China. <i>Review of Palaeobotany and Palynology</i> , 2007, 145, 275-288.	0.8	223
10	Stable isotope variations in modern tropical speleothems: Evaluating equilibrium vs. kinetic isotope effects. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4381-4393.	1.6	218
11	Proposed changes in seasonality of climate during the Lateglacial and Holocene at Lake Zeribar, Iran. <i>Holocene</i> , 2001, 11, 747-755.	0.9	189
12	Possible solar forcing of century-scale drought frequency in the northern Great Plains. <i>Geology</i> , 1999, 27, 263.	2.0	182
13	Enriched back-arc basin basalts from the northern Mariana Trough: implications for the magmatic evolution of back-arc basins. <i>Earth and Planetary Science Letters</i> , 1990, 100, 210-225.	1.8	180
14	Hydrologic Variation in the Northern Great Plains During the Last Two Millennia. <i>Quaternary Research</i> , 2000, 53, 175-184.	1.0	157
15	A speleothem record of glacial (25–11.6 kyr BP) rapid climatic changes from northern Iberian Peninsula. <i>Global and Planetary Change</i> , 2010, 71, 218-231.	1.6	152
16	Pronounced climatic variations in Alaska during the last two millennia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10552-10556.	3.3	137
17	Geochemistry of ostracode calcite: Part 1. An experimental determination of oxygen isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 377-382.	1.6	135
18	Timing of Atmospheric Precipitation in the Zagros Mountains Inferred from a Multi-Proxy Record from Lake Mirabad, Iran. <i>Quaternary Research</i> , 2006, 66, 494-500.	1.0	128

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19	Geochemistry of ostracode calcite: Part 2. The effects of water chemistry and seasonal temperature variation on <i>Candona rawsoni</i> . <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 383-391.	1.6	125
20	Abrupt changes in North American climate during early Holocene times. <i>Nature</i> , 1999, 400, 437-440.	13.7	117
21	An evaluation of temporal geochemical evolution of Loihi Summit Lavas: Results from <i>Alvin</i> submersible dives. <i>Journal of Geophysical Research</i> , 1993, 98, 537-550.	3.3	106
22	Submarine metamorphism of gabbros from the Mid-Cayman Rise: Petrographic and mineralogic constraints on hydrothermal processes at slow-spreading ridges. <i>Contributions To Mineralogy and Petrology</i> , 1983, 82, 371-388.	1.2	104
23	Revealing the last 13,500 years of environmental history from the multiproxy record of a mountain lake (Lago Enol, northern Iberian Peninsula). <i>Journal of Paleolimnology</i> , 2011, 46, 327-349.	0.8	104
24	Holocene Climate in the Northern Great Plains Inferred from Sediment Stratigraphy, Stable Isotopes, Carbonate Geochemistry, Diatoms, and Pollen at Moon Lake, North Dakota. <i>Quaternary Research</i> , 1997, 48, 359-369.	1.0	84
25	Title is missing!. <i>Journal of Paleolimnology</i> , 1997, 17, 85-100.	0.8	84
26	Sensitive response of desert vegetation to moisture change based on a near-annual resolution pollen record from Gahai Lake in the Qaidam Basin, northwest China. <i>Global and Planetary Change</i> , 2008, 62, 107-114.	1.6	83
27	Crustal Contamination of Kilauea Volcano Magmas Revealed by Oxygen Isotope Analyses of Glass and Olivine from Puu Oo Eruption Lavas. <i>Journal of Petrology</i> , 1998, 39, 803-817.	1.1	82
28	Oxygen- and strontium-isotopic investigations of subduction zone volcanism: the case of the Volcano Arc and the Marianas Island Arc. <i>Earth and Planetary Science Letters</i> , 1986, 76, 312-320.	1.8	81
29	Shoshonitic magmas in nascent arcs: New evidence from submarine volcanoes in the northern Marianas. <i>Geology</i> , 1988, 16, 426.	2.0	81
30	Modern hydrology and late Holocene history of Lake Karakul, eastern Pamirs (Tajikistan): A reconnaissance study. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 289, 10-24.	1.0	80
31	Submarine metamorphism of gabbros from the Mid-Cayman rise: An oxygen isotopic study. <i>Geochimica Et Cosmochimica Acta</i> , 1983, 47, 535-546.	1.6	76
32	Paleohydrology of Lake Victoria, East Africa, inferred from $^{18}O/^{16}O$ ratios in sediment cellulose. <i>Geology</i> , 1997, 25, 1083.	2.0	75
33	Trace-element and isotopic constraints on the source of magmas in the active volcano and Mariana island arcs, Western Pacific. <i>Journal of Volcanology and Geothermal Research</i> , 1983, 18, 461-482.	0.8	70
34	Oxygen and carbon isotope trends and sedimentological evolution of a meromictic and saline lacustrine system: the Holocene Medicine Lake basin, North American Great Plains, USA. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1995, 117, 253-278.	1.0	70
35	Holocene millennial-scale climate variations documented by multiple lake-level proxies in sediment cores from Hurlig Lake, Northwest China. <i>Journal of Paleolimnology</i> , 2010, 44, 995-1008.	0.8	68
36	Hydrogeochemical controls on the variations in chemical characteristics of natural organic matter at a small freshwater wetland. <i>Chemical Geology</i> , 2002, 187, 59-77.	1.4	67

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37	O, Sr, Nd and Pb isotopic composition of the Kasuga Cross-Chain in the Mariana Arc: A new perspective on the K-h relationship. <i>Earth and Planetary Science Letters</i> , 1993, 119, 459-475.	1.8	64
38	Ground-water processes controlling a prairie lake's response to middle Holocene drought. <i>Geology</i> , 1997, 25, 391.	2.0	61
39	Ostracode Geochemical Record of Holocene Climatic Change and Implications for Vegetational Response in the Northwestern Alaska Range. <i>Quaternary Research</i> , 1998, 49, 86-95.	1.0	59
40	Authigenic calcium carbonate flux in groundwater-controlled lakes: Implications for lacustrine paleoclimate records. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2517-2533.	1.6	55
41	Holocene climate trend, variability, and shift documented by lacustrine stable-isotope record in the northeastern United States. <i>Quaternary Science Reviews</i> , 2010, 29, 1831-1843.	1.4	55
42	Stable isotope record from Seneca Lake, New York: Evidence for a cold paleoclimate following the Younger Dryas. <i>Geology</i> , 1997, 25, 135.	2.0	52
43	Climate-driven hydrologic transients in lake sediment records: multiproxy record of mid-Holocene drought. <i>Quaternary Science Reviews</i> , 2002, 21, 625-646.	1.4	49
44	Changes in continental ostracode shell chemistry; uncertainty of cause. <i>Hydrobiologia</i> , 2009, 620, 1-15.	1.0	44
45	Empirical calibration of shell chemistry of <i>Cyprideis torosa</i> (Jones, 1850) (Crustacea: Ostracoda). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 93, 143-163.	1.6	44
46	The ecology of ostracodes (Ostracoda, Crustacea) in western Mongolia. <i>Hydrobiologia</i> , 2010, 641, 253-273.	1.0	41
47	Possible orographic and solar controls of Late Holocene centennial-scale moisture oscillations in the northeastern Tibetan Plateau. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	40
48	A 2100-year trace-element and stable-isotope record at decadal resolution from Rice Lake in the Northern Great Plains, USA. <i>Holocene</i> , 2002, 12, 605-617.	0.9	39
49	Groundwater-supported evapotranspiration within glaciated watersheds under conditions of climate change. <i>Journal of Hydrology</i> , 2006, 320, 484-500.	2.3	39
50	Climatic effects of glacial Lake Agassiz in the midwestern United States during the last deglaciation. <i>Geology</i> , 1997, 25, 207.	2.0	38
51	Climate-driven hydrologic transients in lake sediment records: calibration of groundwater conditions using 20th Century drought. <i>Quaternary Science Reviews</i> , 2002, 21, 605-624.	1.4	38
52	An expanded ostracod-based conductivity transfer function for climate reconstruction in the Levant. <i>Quaternary Science Reviews</i> , 2014, 93, 91-105.	1.4	35
53	Ostracodes and Their Shell Chemistry: Implications for Paleohydrologic and Paleoclimatologic Applications. <i>The Paleontological Society Papers</i> , 2003, 9, 119-152.	0.8	33
54	Oxygen-isotope record of Late-Glacial climatic change in western Ireland. <i>Boreas</i> , 1996, 25, 257-267.	1.2	31

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55	Lateglacial and Holocene hydroclimate inferred from a groundwater flow-through lake, Northern Rocky Mountains, USA. <i>Holocene</i> , 2009, 19, 523-535.	0.9	31
56	Magmatism, metamorphism and deformation at Hemlo, Ontario, and the timing of Au-Mo mineralization in the Golden Giant Mine. <i>Economic Geology</i> , 1994, 89, 720-756.	1.8	29
57	Holocene climate controls on water isotopic variations on the northeastern Tibetan Plateau. <i>Chemical Geology</i> , 2016, 440, 239-247.	1.4	29
58	Title is missing!. <i>Journal of Paleolimnology</i> , 2000, 24, 199-211.	0.8	28
59	Isotopic evolution and climate paleorecords: modeling boundary effects in groundwater-dominated lakes. <i>Journal of Paleolimnology</i> , 2008, 39, 17-33.	0.8	28
60	Title is missing!. <i>Journal of Paleolimnology</i> , 2002, 28, 207-217.	0.8	27
61	Oxygen Isotope Evidence for Chemical Interaction of Ki lauea Historical Magmas with Basement Rocks. <i>Journal of Petrology</i> , 2007, 49, 757-769.	1.1	26
62	Techniques for collection and study of ostracoda. <i>Geophysical Monograph Series</i> , 2002, , 65-97.	0.1	25
63	Mid-Holocene Hydrologic Model of the Shingobee Watershed, Minnesota. <i>Quaternary Research</i> , 2002, 58, 246-254.	1.0	25
64	NSF-OEDG Manoomin Science Camp Project: A Model for Engaging American Indian Students in Science, Technology, Engineering, and Mathematics. <i>Journal of Geoscience Education</i> , 2014, 62, 227-243.	0.8	23
65	Valve chemistry of <i>Limnocythere inopinata</i> (Ostracoda) in a cold arid environment – Implications for paleolimnological interpretation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 306, 116-126.	1.0	21
66	National lacustrine core repository (LacCore). <i>Journal of Paleolimnology</i> , 2001, 25, 123-127.	0.8	15
67	Morphometric techniques allow environmental reconstructions from low-diversity continental ostracode assemblages. <i>Journal of Paleolimnology</i> , 2010, 44, 903-911.	0.8	15
68	Holocene stable-isotope stratigraphy at Lough Gur, County Limerick, Western Ireland. <i>Holocene</i> , 2001, 11, 367-372.	0.9	14
69	Insights into operation of the subduction factory from the oxygen isotopic values of the southern Izu-Bonin-Mariana Arc. <i>Island Arc</i> , 2003, 12, 383-397.	0.5	14
70	Negative correlations between Mg:Ca and total dissolved solids in lakes: False aridity signals and decoupling mechanism for paleohydrologic proxies. <i>Geology</i> , 2010, 38, 427-430.	2.0	13
71	Isotopes as Indicators of Environmental Change. , 1998, , 761-816.		12
72	A Climate Change Course for Undergraduate Students. <i>Journal of Geoscience Education</i> , 2011, 59, 229-241.	0.8	12

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73	Application Of Stable Isotope Techniquesto Inorganic And Biogenic Carbonates. , 2002, , 351-371.		11
74	Subfossil ostracode assemblages from Mongolia â€“ Quantifying response for paleolimnological applications. Ecological Indicators, 2012, 14, 138-151.	2.6	11
75	Paleohydrology of Lake Kinneret during the Heinrich event H2. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 396, 183-193.	1.0	11
76	Deep Drilling at the Dead Sea. Scientific Drilling, 0, 11, 46-47.	1.0	11
77	Sedimentary, geochemical and hydrological history of Lake Kinneret during the past 28,000 years. Quaternary Science Reviews, 2019, 209, 114-128.	1.4	10
78	Hydrologic response of the Crow Wing Watershed, Minnesota, to mid-Holocene climate change. Bulletin of the Geological Society of America, 2007, 119, 363-376.	1.6	9
79	Millennial-scale interhemispheric asymmetry of low-latitude precipitation: Speleothem evidence and possible high-latitude forcing. Geophysical Monograph Series, 2007, , 279-294.	0.1	9
80	Mg/Ca, Sr/Ca, $\delta^{18}O$ and $\delta^{13}C$ chemistry of Quaternary lacustrine ostracode shells from the North American continental interior. Geophysical Monograph Series, 2002, , 267-278.	0.1	7
81	Holocene hydrologic and hydrochemical changes of the South Basin of Lake Manitoba, Canada, inferred from ostracode shell chemistry and autoecology. Hydrobiologia, 2017, 786, 97-124.	1.0	7
82	Ecohydrological evolution of Lake Naivasha (central Rift Valley, Kenya) during the past 1650 years, as recorded by ostracod assemblages and stable-isotope geochemistry. Quaternary Science Reviews, 2019, 223, 105906.	1.4	6
83	Magmatism, metamorphism, and deformation at Hemlo, Ontario, and the timing of Au-Mo mineralization in the Golden Giant Mine; reply. Economic Geology, 1995, 90, 1343-1344.	1.8	5
84	Semi-automated counting of complex varves through image autocorrelation. Quaternary Research, 2021, 104, 89-100.	1.0	4
85	Holocene climate recorded by magnetic properties of lake sediments in the Northern Rocky Mountains, USA. Holocene, 2020, 30, 479-484.	0.9	3
86	The contribution of Richard M. Forester to the knowledge of the paleohydrologic and paleoclimatic significance of Cenozoic non-marine Ostracoda. Hydrobiologia, 2017, 786, 1-4.	1.0	1
87	Physical Limnology and Sediment Dynamics of Lago Argentino, the World's Largest Iceâ€Contact Lake. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	1
88	Late Holocene hydroclimatic history of the Galilee Mountains from sedimentary records of the Sea of Galilee, Israel. Quaternary Research, 0, , 1-16.	1.0	1
89	Isotope geochemists meet in Japan. Eos, 1982, 63, 1348.	0.1	0
90	Glacial sea surface temperature reconstruction in the west pacific warm pool. Science Bulletin, 1998, 43, 89-89.	1.7	0