

Tomohisa Irino

List of Publications by Year in descending order

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73
papers

2,235
citations

236925

25
h-index

233421

45
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79
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79
docs citations

79
times ranked

2109
citing authors

#	ARTICLE	IF	CITATIONS
1	Land-ocean linkages over orbital and millennial timescales recorded in Late Quaternary sediments of the Japan Sea. <i>Paleoceanography</i> , 1999, 14, 236-247.	3.0	353
2	Orbital- and millennial-scale variations in Asian dust transport path to the Japan Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 247, 144-161.	2.3	123
3	Orbital-scale stratigraphy and high-resolution analysis of biogenic components and deep-water oxygenation conditions in the Japan Sea during the last 640 kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 247, 32-49.	2.3	99
4	The 1500-year climate oscillation in the midlatitude North Pacific during the Holocene. <i>Geology</i> , 2009, 37, 591-594.	4.4	97
5	Paleoceanographic change off central Japan since the last 144,000 years based on high-resolution oxygen and carbon isotope records. <i>Global and Planetary Change</i> , 2006, 53, 5-20.	3.5	84
6	Documenting large earthquakes similar to the 2011 Tohoku-oki earthquake from sediments deposited in the Japan Trench over the past 1500 years. <i>Earth and Planetary Science Letters</i> , 2016, 445, 48-56.	4.4	78
7	Paleoceanographic history around the Tsugaru Strait between the Japan Sea and the Northwest Pacific Ocean since 30 cal kyr BP. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 232, 36-52.	2.3	75
8	Possible submarine tsunami deposits on the outer shelf of Sendai Bay, Japan resulting from the 2011 earthquake and tsunami off the Pacific coast of Tohoku. <i>Marine Geology</i> , 2014, 358, 120-127.	2.1	69
9	Quantification of aeolian dust (Kosa) contribution to the Japan Sea sediments and its variation during the last 200 ky.. <i>Geochemical Journal</i> , 2000, 34, 59-93.	1.0	68
10	High-resolution reconstruction of variation in aeolian dust (Kosa) deposition at ODP site 797, the Japan Sea, during the last 200 ka. <i>Global and Planetary Change</i> , 2003, 35, 143-156.	3.5	64
11	High-resolution and high-precision correlation of dark and light layers in the Quaternary hemipelagic sediments of the Japan Sea recovered during IODP Expedition 346. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	55
12	Late Pleistocene tephrostratigraphy of the sediment core MD01-2421 collected off the Kashima coast, Japan. <i>The Quaternary Research</i> , 2008, 47, 391-407.	0.1	51
13	Integrated tephrostratigraphy and stable isotope stratigraphy in the Japan Sea and East China Sea using IODP Sites U1426, U1427, and U1429, Expedition 346 Asian Monsoon. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	47
14	Millennial-scale variability in vegetation records from the East Asian Islands: Taiwan, Japan and Sakhalin. <i>Quaternary Science Reviews</i> , 2010, 29, 2900-2917.	3.0	46
15	Sea level at the last glacial maximum, constrained by oxygen isotopic curves of planktonic foraminifera in the Japan Sea. <i>Journal of Quaternary Science</i> , 2012, 27, 941-947.	2.1	46
16	Millennial-scale East Asian Summer Monsoon variability recorded in grain size and provenance of mud belt sediments on the inner shelf of the East China Sea during mid-to late Holocene. <i>Quaternary International</i> , 2014, 349, 79-89.	1.5	43
17	Diatom record of the late Holocene in the Okhotsk Sea. <i>Marine Micropaleontology</i> , 2003, 49, 139-156.	1.2	40
18	OSL dating of fine-grained quartz from Holocene Yangtze delta sediments. <i>Quaternary Geochronology</i> , 2015, 30, 226-232.	1.4	40

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19	Paleoceanography during the last 150 kyr off central Japan based on diatom floras. <i>Marine Micropaleontology</i> , 2004, 53, 293-365.	1.2	39
20	The ACER pollen and charcoal database: a global resource to document vegetation and fire response to abrupt climate changes during the last glacial period. <i>Earth System Science Data</i> , 2017, 9, 679-695.	9.9	38
21	Construction of perfectly continuous records of physical properties for dark-light sediment sequences collected from the Japan Sea during Integrated Ocean Drilling Program Expedition 346 and their potential utilities as paleoceanographic studies. <i>Progress in Earth and Planetary Science</i> , 2018, 5,	3.0	34
22	Stratigraphy and wiggle-matching-based age-depth model of late Holocene marine sediments in Beppu Bay, southwest Japan. <i>Journal of Asian Earth Sciences</i> , 2013, 69, 133-148.	2.3	33
23	Distribution of glycerol dialkyl glycerol tetraethers, alkenones and polyunsaturated fatty acids in suspended particulate organic matter in the East China Sea. <i>Journal of Oceanography</i> , 2012, 68, 959-970.	1.7	31
24	Holocene dynamics in the Bering Strait inflow to the Arctic and the Beaufort Gyre circulation based on sedimentary records from the Chukchi Sea. <i>Climate of the Past</i> , 2017, 13, 1111-1127.	3.4	31
25	Distribution of detrital minerals and sediment color in western Arctic Ocean and northern Bering Sea sediments: Changes in the provenance of western Arctic Ocean sediments since the last glacial period. <i>Polar Science</i> , 2016, 10, 519-531.	1.2	29
26	Multidecadal, centennial, and millennial variability in sardine and anchovy abundances in the western North Pacific and climate-fish linkages during the late Holocene. <i>Progress in Oceanography</i> , 2017, 159, 86-98.	3.2	26
27	Potential of submarine-cave sediments and oxygen isotope composition of cavernicolous micro-bivalve as a late Holocene paleoenvironmental record. <i>Global and Planetary Change</i> , 2007, 55, 301-316.	3.5	24
28	Seasonal variations in planktonic foraminiferal flux and oxygen isotopic composition in the western North Pacific: Implications for paleoceanographic reconstruction. <i>Marine Micropaleontology</i> , 2013, 100, 11-20.	1.2	23
29	Orbital- and millennial-scale paleoceanographic changes in the north-eastern Japan Basin, East Sea/Japan Sea during the late Quaternary. <i>Journal of Quaternary Science</i> , 2012, 27, 328-335.	2.1	22
30	Tracing Sr isotopic composition in space and time across the Yangtze River basin. <i>Chemical Geology</i> , 2014, 388, 59-70.	3.3	22
31	Estimation of Evolutionary Rates of Mitochondrial DNA in Two Japanese Wood Mouse Species Based on Calibrations with Quaternary Environmental Changes. <i>Zoological Science</i> , 2017, 34, 201-210.	0.7	22
32	Sources of atmospheric black carbon and related carbonaceous components at Rishiri Island, Japan: The roles of Siberian wildfires and of crop residue burning in China. <i>Environmental Pollution</i> , 2019, 247, 55-63.	7.5	22
33	Southern migration of westerlies in the Northern Hemisphere PEP II transect during the Last Glacial Maximum. <i>Quaternary International</i> , 2004, 118-119, 13-22.	1.5	21
34	Depositional ages and characteristics of middle-upper Jurassic and Lower Cretaceous lacustrine deposits in southeastern Mongolia. <i>Island Arc</i> , 2018, 27, e12243.	1.1	20
35	Palaeobotanical records from Rebun Island and their potential for improving the chronological control and understanding human-environment interactions in the Hokkaido Region, Japan. <i>Holocene</i> , 2016, 26, 1646-1660.	1.7	19
36	Enhanced upwelling in the eastern equatorial Pacific at the last five glacial terminations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 386, 8-15.	2.3	18

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37	Mass accumulation rate of detrital materials in Lake Suigetsu as a potential proxy for heavy precipitation: a comparison of the observational precipitation and sedimentary record. <i>Progress in Earth and Planetary Science</i> , 2016, 3, .	3.0	18
38	Fluctuations in the East Asian monsoon recorded by pollen assemblages in sediments from the Japan Sea off the southwestern coast of Hokkaido, Japan, from 4.3â€‰Ma to the present. <i>Global and Planetary Change</i> , 2018, 163, 1-9.	3.5	17
39	Characteristics and distribution of the event deposits induced by the 2011 Tohoku-oki earthquake and tsunami offshore of Sanriku and Sendai, Japan. <i>Sedimentary Geology</i> , 2021, 411, 105791.	2.1	17
40	Long term Aleutian Low dynamics and obliquity-controlled oceanic primary production in the mid-latitude western North Pacific (Core MD01-2421) during the last 145,000Âyears. <i>Global and Planetary Change</i> , 2006, 53, 21-28.	3.5	16
41	Deep water ventilation in the northwestern North Pacific during the last deglaciation and the early Holocene (15-5cal.kyrB.P.) based on AMS 14C dating. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 259, 448-452.	1.4	16
42	Intercomparison of XRF Core Scanning Results From Seven Labs and Approaches to Practical Calibration. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009248.	2.5	16
43	Asian dust transport during the last century recorded in Lake Suigetsu sediments. <i>Geophysical Research Letters</i> , 2016, 43, 2835-2842.	4.0	14
44	Origin of the water-soluble organic nitrogen in the maritime aerosol. <i>Atmospheric Environment</i> , 2017, 167, 97-103.	4.1	14
45	Climatic and hydrologic variability in the East China Sea during the last 7000years based on oxygen isotope records of the submarine cavernicolous micro-bivalve <i>Carditella lejimensis</i> . <i>Global and Planetary Change</i> , 2010, 72, 131-140.	3.5	13
46	ESR signal intensity of quartz in the fine-silt fraction of riverbed sediments from the Yangtze River: a provenance tracer for suspended particulate matter. <i>Progress in Earth and Planetary Science</i> , 2017, 4, .	3.0	10
47	Evidence for surface sediment remobilization by earthquakes in the Nankai forearc region from sedimentary records. <i>Geological Society Special Publication</i> , 2019, 477, 37-45.	1.3	9
48	Orbital-scale vegetation-ocean-atmosphere linkages in western Japan during the last 550 ka based on a pollen record from the IODP site U1427 in the Japan Sea. <i>Quaternary Science Reviews</i> , 2021, 267, 107103.	3.0	9
49	High resolution stable isotope records of scleractinian corals near Ishigaki Island: Their implication as a potential paleoclimatic recorder in middle latitude regions. <i>Geosciences Journal</i> , 2008, 12, 25-31.	1.2	8
50	Main controlling factors of coral skeletal carbon isotopic composition and skeletal extension rate: High-resolution study at Hainan Island, South China Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	8
51	Cyclostratigraphy of the Late Miocene to Pliocene sediments at IODP sites U1425 and U1430 in the Japan Sea and paleoceanographic implications. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	8
52	The 2011 Tohoku-oki tsunami-induced sediment remobilization on the Sendai shelf, Japan, from a comparison of pre- and post-tsunami surface sediments. <i>Scientific Reports</i> , 2021, 11, 7864.	3.3	7
53	Temporal variations in black carbon recorded on Rishiri Island, northern Japan. <i>Geochemical Journal</i> , 2015, 49, 283-294.	1.0	7
54	Evidence of Recent Warming in the Okinawa Region, Subtropical Northwestern Pacific, from an Oxygen Isotope Record of a Cave-Dwelling Marine Micro-Bivalve. <i>Paleontological Research</i> , 2013, 17, 58-68.	1.0	6

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55	Aleutian Low variability for the last 7500 years and its relation to the Westerly Jet. <i>Quaternary Research</i> , 2022, 108, 161-179.	1.7	6
56	Provenance changes in fine detrital quartz in the inner shelf sediments of the East China Sea associated with shifts in the East Asian summer monsoon front during the last 6 kyr. <i>Progress in Earth and Planetary Science</i> , 2020, 7, .	3.0	6
57	Distribution of surface sediments after the 2003 flood on the shelf off Hidaka, southern Hokkaido.. <i>Bulletin of the Geological Survey of Japan</i> , 2007, 58, 189-199.	0.7	6
58	Reconstruction of paleotemperatures in the Northwest Pacific over the past 3000 years from $\delta^{18}O$ values of the micro-bivalvia <i>Carditella lejimensis</i> found in a submarine cave. <i>Global and Planetary Change</i> , 2008, 62, 97-106.	3.5	5
59	Nutricline shoaling in the eastern Pacific warm pool during the last two glacial maxima. <i>Journal of Oceanography</i> , 2014, 70, 25-34.	1.7	5
60	Variations in sediment lithology of submarine flood deposits on the slope off Kumano River, Japan. <i>Geological Society Special Publication</i> , 2021, 501, 391-403.	1.3	5
61	Phylogenetic diversity and distribution of bacterial and archaeal <i>amoA</i> genes in the East China Sea during spring. <i>Archives of Microbiology</i> , 2018, 200, 329-342.	2.2	4
62	Geological controls on dispersal and deposition of river flood sediments on the Hidaka shelf, Northern Japan. <i>Geological Society Special Publication</i> , 2022, 505, 203-215.	1.3	4
63	Ozone depletion in the interstitial air of the seasonal snowpack in northern Japan. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 24934.	1.6	4
64	Characteristics of shallow marine flood sediments by organic carbon analyses, examples from shelf sediments off Hidaka, southern Hokkaido, after the 2003 typhoon no.10. <i>Journal of the Geological Society of Japan</i> , 2017, 123, 321-333.	0.6	3
65	A Lacustrine Biomarker Record From Rebus Island Reveals a Warm Summer Climate in Northern Japan During the Early Middle Holocene Due to a Stronger North Pacific High. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
66	Environmental evolution and fire history of Rebus Island (Northern Japan) during the past 17,000 years based on biomarkers and pyrogenic compound records from Lake Kushu. <i>Quaternary International</i> , 2022, 623, 8-18.	1.5	3
67	Occurrence of soupy disturbance in long piston cores from marginal seas of the Japanese Islands.. <i>Journal of the Japanese Association for Petroleum Technology</i> , 2002, 67, 590-593.	0.0	3
68	Quantification of Asian Dust Source Variabilities in Silt and Clay Fractions since 10 kyr Ma by Parallel Factor (PARAFAC) Endmember Modeling at IODP Site U1425 in the Japan Sea. <i>Lithosphere</i> , 2022, 2022, .	1.4	3
69	Biomass burning history in East Asia during the last 4 million years recorded in elemental carbon variability at IODP site U1423. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	2
70	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. <i>Quaternary Research</i> , 2022, 107, 27-42.	1.7	2
71	Benthic foraminifera in the Nakdong River Delta (southeast Korea) and their response to middle Holocene climatic change in the coastal environment of the East Asian margin. <i>Journal of Asian Earth Sciences</i> , 2022, 234, 105273.	2.3	1
72	Spatial Distribution of $\delta^{14}C$ Values of Organic Matter in Surface Sediments Off Saru River in Northern Japan, One Year After a Flood Event in 2006. <i>Radiocarbon</i> , 2010, 52, 1068-1077.	1.8	0

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73	The reports on the session "A-HW27 Water and material transport and cycle in watersheds: From headwater to coastal area" in JGU2015. Journal of Japanese Association of Hydrological Sciences, 2015, 45, 51-54.	0.2	0