

Yusuke Yokoyama

List of Publications by Year in descending order

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106
papers

3,676
citations

147801

31
h-index

144013

57
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112
all docs

112
docs citations

112
times ranked

3981
citing authors

#	ARTICLE	IF	CITATIONS
1	Into and out of the Last Glacial Maximum: sea-level change during Oxygen Isotope Stages 3 and 2. <i>Quaternary Science Reviews</i> , 2002, 21, 343-360.	3.0	638
2	Rapid glaciation and a two-step sea level plunge into the Last Glacial Maximum. <i>Nature</i> , 2018, 559, 603-607.	27.8	172
3	Two-step rise of atmospheric oxygen linked to the growth of continents. <i>Nature Geoscience</i> , 2016, 9, 417-424.	12.9	162
4	Water-load definition in the glacio-hydro-isostatic sea-level equation. <i>Quaternary Science Reviews</i> , 2003, 22, 309-318.	3.0	139
5	Japan Sea oxygen isotope stratigraphy and global sea-level changes for the last 50,000 years recorded in sediment cores from the Oki Ridge. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 247, 5-17.	2.3	103
6	Widespread collapse of the Ross Ice Shelf during the late Holocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2354-2359.	7.1	97
7	Global Climate and Sea Level: ENDURING VARIABILITY AND RAPID FLUCTUATIONS OVER THE PAST 150,000 YEARS. <i>Oceanography</i> , 2011, 24, 54-69.	1.0	95
8	Response of the Great Barrier Reef to sea-level and environmental changes over the past 30,000 years. <i>Nature Geoscience</i> , 2018, 11, 426-432.	12.9	94
9	¹⁰ Be evidence for delayed acquisition of remanent magnetization in marine sediments: Implication for a new age for the Matuyama-Brunhes boundary. <i>Earth and Planetary Science Letters</i> , 2010, 296, 443-450.	4.4	90
10	Last Ice Age Millennial Scale Climate Changes Recorded in Huon Peninsula Corals. <i>Radiocarbon</i> , 2000, 42, 383-401.	1.8	89
11	Developing Ultra Small-Scale Radiocarbon Sample Measurement at the University of Tokyo. <i>Radiocarbon</i> , 2010, 52, 310-318.	1.8	73
12	Post-depositional remanent magnetization lock-in for marine sediments deduced from ¹⁰ Be and paleomagnetic records through the Matuyama-Brunhes boundary. <i>Earth and Planetary Science Letters</i> , 2011, 311, 39-52.	4.4	73
13	Weak monsoon event at 4.2 ka recorded in sediment from Lake Rara, Himalayas. <i>Quaternary International</i> , 2016, 397, 349-359.	1.5	65
14	Eurasian Ice Sheet collapse was a major source of Meltwater Pulse 1A 14,600 years ago. <i>Nature Geoscience</i> , 2020, 13, 363-368.	12.9	63
15	A re-examination of evidence for the North Atlantic 1500-year cycle at Site 609. <i>Quaternary Science Reviews</i> , 2012, 55, 23-33.	3.0	61
16	Variability in the uranium isotopic composition of the oceans over glacial-interglacial timescales. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4140-4150.	3.9	58
17	Sea-level during the early deglaciation period in the Great Barrier Reef, Australia. <i>Global and Planetary Change</i> , 2006, 53, 147-153.	3.5	56
18	Possible link between multi-decadal climate cycles and periodic reversals of solar magnetic field polarity. <i>Earth and Planetary Science Letters</i> , 2008, 272, 290-295.	4.4	55

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19	Micropalaeontological evidence for Late Quaternary sea-level changes in Bonaparte Gulf, Australia. <i>Global and Planetary Change</i> , 2009, 66, 85-92.	3.5	55
20	Identification of 1771 Meiwa Tsunami deposits using a combination of radiocarbon dating and oxygen isotope microprofiling of emerged massive Porites boulders. <i>Quaternary Geochronology</i> , 2008, 3, 226-234.	1.4	49
21	A single stage Accelerator Mass Spectrometry at the Atmosphere and Ocean Research Institute, The University of Tokyo. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 455, 311-316.	1.4	47
22	The incised valley of Baffin Bay, Texas: a tale of two climates. <i>Sedimentology</i> , 2010, 57, 642-669.	3.1	46
23	Short-term fluctuations in regional radiocarbon reservoir age recorded in coral skeletons from the Ryukyu Islands in the north-western Pacific. <i>Journal of Quaternary Science</i> , 2017, 32, 1-6.	2.1	42
24	Atmospheric $\delta^{14}\text{C}$ reduction in simulations of Atlantic overturning circulation shutdown. <i>Global Biogeochemical Cycles</i> , 2013, 27, 296-304.	4.9	39
25	A sea-level plateau preceding the Marine Isotope Stage 2 minima revealed by Australian sediments. <i>Scientific Reports</i> , 2019, 9, 6449.	3.3	39
26	The last deglacial history of Lützow-Holm Bay, East Antarctica. <i>Journal of Quaternary Science</i> , 2011, 26, 3-6.	2.1	38
27	The multiple chronological techniques applied to the Lake Suigetsu SG06 sediment core, central Japan. <i>Boreas</i> , 2013, 42, 259-266.	2.4	35
28	Orbital-scale environmental and climatic changes recorded in a new \sim 200,000-year-long multiproxy sedimentary record from Padul, southern Iberian Peninsula. <i>Quaternary Science Reviews</i> , 2018, 198, 91-114.	3.0	35
29	On the geophysical processes impacting palaeo-sea-level observations. <i>Geoscience Letters</i> , 2021, 8, .	3.3	34
30	Compound-Specific $\delta^{14}\text{C}$ Dating of IODP Expedition 318 Core U1357A Obtained Off the Wilkes Land Coast, Antarctica. <i>Radiocarbon</i> , 2014, 56, 1009-1017.	1.8	33
31	Potentially large post-1505 AD earthquakes in western Nepal revealed by a lake sediment record. <i>Nature Communications</i> , 2019, 10, 2258.	12.8	33
32	Holocene Indian Ocean sea level, Antarctic melting history and past Tsunami deposits inferred using sea level reconstructions from the Sri Lankan, Southeastern Indian and Maldivian coasts. <i>Quaternary Science Reviews</i> , 2019, 206, 150-161.	3.0	32
33	Dating tsunami deposits: Present knowledge and challenges. <i>Earth-Science Reviews</i> , 2020, 200, 102971.	9.1	31
34	Coral reef diversity losses in China's Greater Bay Area were driven by regional stressors. <i>Science Advances</i> , 2020, 6, .	10.3	31
35	Reappraisal of sea-level lowstand during the Last Glacial Maximum observed in the Bonaparte Gulf sediments, northwestern Australia. <i>Quaternary International</i> , 2016, 397, 373-379.	1.5	29
36	The undatables: Quantifying uncertainty in a highly expanded Lake Taupo Holocene sediment sequence recovered from the deepest Bealtic Sea basin in the IODP Site M0063. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 858-871.	2.5	29

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37	Multidecadal oceanographic changes in the western Pacific detected through high-resolution bomb-derived radiocarbon measurements on corals. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1608-1617.	2.5	28
38	Radiocarbon in ecology: Insights and perspectives from aquatic and terrestrial studies. <i>Methods in Ecology and Evolution</i> , 2018, 9, 181-190.	5.2	26
39	Sea-level rise during Termination II inferred from large benthic foraminifers: IODP Expedition 310, Tahiti Sea Level. <i>Marine Geology</i> , 2010, 271, 149-155.	2.1	25
40	Microbialites in Last Glacial Maximum and deglacial reefs of the Great Barrier Reef (IODP Expedition) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.3	25
41	Elevated dust depositions in West Asia linked to ocean-atmosphere shifts during North Atlantic cold events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18272-18277.	7.1	25
42	Late Holocene Asian monsoon variations recorded in Lake Rara sediment, western Nepal. <i>Journal of Quaternary Science</i> , 2012, 27, 125-128.	2.1	24
43	Sources of Dissolved Inorganic Carbon in Two Small Streams with Different Bedrock Geology: Insights from Carbon Isotopes. <i>Radiocarbon</i> , 2015, 57, 439-448.	1.8	24
44	Relationship between early summer precipitation in Japan and the El Niño-Southern and Pacific Decadal Oscillations over the past 400 years. <i>Quaternary International</i> , 2016, 397, 300-306.	1.5	24
45	Holocene Antarctic melting and lithospheric uplift history of the southern Okinawa trough inferred from mid- to late-Holocene sea level in Iriomote Island, Ryukyu, Japan. <i>Quaternary International</i> , 2016, 397, 342-348.	1.5	24
46	Coupled uranium isotope and sea-level variations in the oceans. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7008-7020.	3.9	22
47	Rapid decline in pH of coral calcification fluid due to incorporation of anthropogenic CO ₂ . <i>Scientific Reports</i> , 2017, 7, 7694.	3.3	20
48	A Reconstruction of Subtropical Western North Pacific SST Variability Back to 1578, Based on a <i>Porites</i> Coral Sr/Ca Record from the Northern Ryukyus, Japan. <i>Paleoceanography</i> , 2017, 32, 1352-1370.	3.0	20
49	Beryllium isotope signatures of ice shelves and sub-ice shelf circulation. <i>Earth and Planetary Science Letters</i> , 2019, 505, 86-95.	4.4	20
50	A Geomagnetic Paleointensity Record of 0.6 to 3.2 Ma From Sediments in the Western Equatorial Pacific and Remanent Magnetization Lock-in Depth. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 7525-7543.	3.4	19
51	Growth patterns of the last ice age coral terraces at Huon Peninsula. <i>Global and Planetary Change</i> , 2006, 54, 216-224.	3.5	18
52	Small- to ultra-small-scale radiocarbon measurements using newly installed single-stage AMS at the University of Tokyo. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 455, 238-243.	1.4	18
53	A Characteristic Form of Diatom <i>Melosira</i> as an Indicator of Marine Limit during the Holocene in Japan. <i>The Quaternary Research</i> , 1996, 35, 99-107.	0.1	17
54	Conversion of GISP2-based sediment core age models to the GICC05 extended chronology. <i>Quaternary Geochronology</i> , 2014, 20, 1-7.	1.4	17

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55	Formation and geomorphologic history of the L ₁ impact crater deduced from in situ cosmogenic ¹⁰ B _e and ²⁶ Al. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3190-3197.	2.5	16
56	Temperature-controlled culture experiments with primary polyps of coral <i>Acropora digitifera</i> : Calcification rate variations and skeletal Sr/Ca, Mg/Ca, and Na/Ca ratios. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 484, 129-135.	2.3	16
57	Measurements of in situ produced ¹⁴ C in terrestrial rocks. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 223-224, 253-258.	1.4	15
58	New evidence of Hawaiian coral reef drowning in response to meltwater pulse-1A. <i>Quaternary Science Reviews</i> , 2017, 175, 60-72.	3.0	15
59	Insight into anaerobic methanotrophy from ¹³ C/ ¹² C- amino acids and ¹⁴ C/ ¹² C-ANME cells in seafloor microbial ecology. <i>Scientific Reports</i> , 2018, 8, 14070.	3.3	15
60	Holocene tsunami, storm, and relative sea level records obtained from the southern Hidaka coast, Hokkaido, Japan. <i>Quaternary Science Reviews</i> , 2020, 250, 106678.	3.0	15
61	Non-destructive analyses to determine appropriate stratigraphic level for dating of tsunami deposits. <i>Marine Geology</i> , 2019, 412, 19-26.	2.1	14
62	Quantitative determination of long-term erosion rates of weathered granitic soil surfaces in western Abukuma, Japan using cosmogenic ¹⁰ Be and ²⁶ Al depth profile. <i>Geochemical Journal</i> , 2010, 44, e23-e27.	1.0	13
63	In-situ and meteoric ¹⁰ Be and ²⁶ Al measurements: Improved preparation and application at the University of Tokyo. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 455, 260-264.	1.4	13
64	Hydrographic variability in the northern South China Sea over the past 45,000 years: New insights based on temperature reconstructions by U ³⁷ and TEX ^{H86} proxies from a marine sediment core (MD972146). <i>Quaternary International</i> , 2017, 459, 1-16.	1.5	12
65	Equatorial Pacific seawater pCO ₂ variability since the last glacial period. <i>Scientific Reports</i> , 2019, 9, 13814.	3.3	12
66	Fossil otoliths, from the Gulf of Kutch, Western India, as a paleo-archive for the mid- to late-Holocene environment. <i>Quaternary International</i> , 2016, 397, 281-288.	1.5	11
67	Local marine reservoir age variability at Luzon Strait in the South China Sea during the Holocene. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 455, 171-177.	1.4	11
68	Holocene sea level reconstruction using lagoon specific local marine reservoir effect and geophysical modeling in Tongatapu, Kingdom of Tonga. <i>Quaternary Science Reviews</i> , 2020, 244, 106464.	3.0	11
69	A review of MIS 5e sea-level proxies around Japan. <i>Earth System Science Data</i> , 2021, 13, 1477-1497.	9.9	11
70	Reply to the comment by W.R. Peltier. <i>Quaternary Science Reviews</i> , 2002, 21, 415-418.	3.0	10
71	Millennial-scale alkenone sea surface temperature changes in the northern South China Sea during the past 45,000 years (MD972146). <i>Quaternary International</i> , 2014, 333, 207-215.	1.5	10
72	Radiocarbon variability recorded in coral skeletons from the northwest of Luzon Island, Philippines. <i>Geoscience Letters</i> , 2017, 4, .	3.3	10

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73	Gauging Quaternary Sea Level Changes Through Scientific Ocean Drilling. <i>Oceanography</i> , 2019, 32, 64-71.	1.0	10
74	Paleoshorelines and lowstand sedimentation on subtropical shelves: a case study from the Fraser Shelf, Australia. <i>Australian Journal of Earth Sciences</i> , 2019, 66, 547-565.	1.0	9
75	Beryllium isotopes in sediments from Lake Maruwan Oike and Lake Skallen, East Antarctica, reveal substantial glacial discharge during the late Holocene. <i>Quaternary Science Reviews</i> , 2021, 256, 106841.	3.0	9
76	Sediment waves on the Conrad Rise, Southern Indian Ocean: Implications for the migration history of the Antarctic Circumpolar Current. <i>Marine Geology</i> , 2014, 348, 27-36.	2.1	8
77	Meltwater discharge during the Holocene from the Wilkes subglacial basin revealed by beryllium isotope analysis of marine sediments. <i>Journal of Quaternary Science</i> , 2019, 34, 603-608.	2.1	8
78	Insight into Western Pacific Circulation from South China Sea Coral Skeletal Radiocarbon. <i>Radiocarbon</i> , 2019, 61, 1923-1937.	1.8	8
79	Tsunamis and submarine landslides in Suruga Bay, central Japan, caused by Nankai "Suruga Trough megathrust earthquakes during the last 5000 years. <i>Quaternary Science Reviews</i> , 2020, 245, 106527.	3.0	8
80	Holocene melting of the West Antarctic Ice Sheet driven by tropical Pacific warming. <i>Nature Communications</i> , 2022, 13, .	12.8	8
81	Radiocarbon dating of coastal boulders from Kouzushima and Miyake islands off Tokyo Metropolitan Area, Japan: Implications for coastal hazard risk. <i>Quaternary International</i> , 2017, 456, 28-38.	1.5	7
82	Incorporation of Mg, Sr, Ba, U, and B in High-Mg Calcite Benthic Foraminifers Cultured Under Controlled CO_2 . <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 83-98.	2.5	7
83	Organic carbon accumulation and productivity over the past 130 years in Lake Kawaguchi (central) Tj ETQq1 1 0.784314 rgBT /Overloc	1.6	7
84	Novel reverse radioisotope labelling experiment reveals carbon assimilation of marine calcifiers under ocean acidification conditions. <i>Methods in Ecology and Evolution</i> , 2020, 11, 739-750.	5.2	7
85	Melting history of the Patagonian Ice Sheet during Termination I inferred from marine sediments. <i>Geochemical Journal</i> , 2013, 47, 107-117.	1.0	6
86	Assessment of Northeastern Japan Tree-Ring Oxygen Isotopes for Reconstructing Early Summer Hydroclimate and Spring Arctic Oscillation. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3520-3528.	2.5	6
87	Late Quaternary evolution of the Kumkol Basin at the northeastern margin of the Tibetan Plateau revealed by tectonic geomorphology and the analysis of in situ cosmogenic nuclides. <i>Geomorphology</i> , 2019, 329, 224-247.	2.6	6
88	Glacial mode shift of the Atlantic meridional overturning circulation by warming over the Southern Ocean. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	6
89	Temporal variation in radiocarbon pathways caused by sea-level and tidal changes in the Bonaparte Gulf, northwestern Australia. <i>Quaternary Science Reviews</i> , 2021, 266, 107079.	3.0	6
90	Issues in radiocarbon and U-series dating of corals from the last glacial period. <i>Quaternary Geochronology</i> , 2008, 3, 244-252.	1.4	5

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91	Influence of the Schwabe/Hale solar cycles on climate change during the Maunder Minimum. Proceedings of the International Astronomical Union, 2009, 5, 427-433.	0.0	5
92	Evidence of solar insolation and internal forcing of sea surface temperature changes in the eastern tropical Indian Ocean during the Holocene. Quaternary International, 2018, 490, 1-9.	1.5	5
93	Depositional environments beneath the shelf-edge slopes of the Great Barrier Reef, inferred from foraminiferal assemblages: IODP Expedition 325. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 514, 386-397.	2.3	5
94	Coral Record of Younger Dryas Chronozone Warmth on the Great Barrier Reef. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003962.	2.9	5
95	Seismic history of a bedrock fault scarp using quantitative morphology together with multiple dating methods: A case study of the Luoyunshan piedmont fault, southwestern Shanxi Rift, China. Tectonophysics, 2020, 788, 228473.	2.2	5
96	Deltaic response to climate change: The Holocene history of the Nueces Delta. Global and Planetary Change, 2020, 191, 103213.	3.5	5
97	Sensitivity of Holocene East Antarctic productivity to subdecadal variability set by sea ice. Nature Geoscience, 0, , .	12.9	5
98	Holocene surface hydroclimate changes in the Indo-Pacific warm pool. Quaternary International, 2018, 482, 1-12.	1.5	4
99	Online oxygen isotope analysis of sub-milligram quantities of biogenic opal using the inductive high-temperature carbon reduction method coupled with continuous-flow isotope ratio mass spectrometry. Journal of Quaternary Science, 2014, 29, 455-462.	2.1	3
100	AMS Dating of Potentially the Oldest Wooden Sculptures in Japan from a Shinto Shrine in Akita. Radiocarbon, 2019, 61, 1221-1228.	1.8	3
101	Late Holocene Changes in Erosion Patterns in a Lacustrine Environment: Landscape Stabilization by Volcanic Activity Versus Human Activity. Geochemistry, Geophysics, Geosystems, 2019, 20, 1720-1733.	2.5	3
102	Initial measurement of beryllium-9 using high-resolution inductively coupled plasma mass spectrometry allows for more precise applications of the beryllium isotope system within the Earth Sciences. Rapid Communications in Mass Spectrometry, 2021, 35, e9059.	1.5	3
103	Dating Lake Sediments Using Compound-specific ¹⁴ C Analysis of C ₁₆ Fatty Acid: A Case Study From the Mount Fuji Volcanic Region, Japan. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009544.	2.5	2
104	Crustal anorthosite formation by deep-seated hydrothermal circulation beneath fast-spreading axis: Constraints from chronological approach, Sr isotope, and fluid-inclusion investigation. Island Arc, 2021, 30, e12423.	1.1	1
105	Appreciation of peer reviewers for 2014. Geochemistry, Geophysics, Geosystems, 2015, 16, 2473-2479.	2.5	0
106	Appreciation of peer reviewers for 2015. Geochemistry, Geophysics, Geosystems, 2016, 17, 1959-1965.	2.5	0