

Osamu Seki

List of Publications by Year in descending order

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39
papers

1,287
citations

430874

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361022

35
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docs citations

39
times ranked

2081
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkenone and boron-based Pliocene pCO ₂ records. <i>Earth and Planetary Science Letters</i> , 2010, 292, 201-211.	4.4	416
2	Hydrogen isotopic ratios of plant wax n-alkanes in a peat bog deposited in northeast China during the last 16kyr. <i>Organic Geochemistry</i> , 2009, 40, 671-677.	1.8	93
3	A compound-specific n-alkane $\delta^{13}C$ and δ^2H approach for assessing source and delivery processes of terrestrial organic matter within a forested watershed in northern Japan. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 599-613.	3.9	68
4	Environmental influences over the last 16ka on compound-specific $\delta^{13}C$ variations of leaf wax n-alkanes in the Hani peat deposit from northeast China. <i>Chemical Geology</i> , 2010, 277, 261-268.	3.3	60
5	North Atlantic Holocene climate evolution recorded by high-resolution terrestrial and marine biomarker records. <i>Quaternary Science Reviews</i> , 2015, 129, 111-127.	3.0	49
6	Plant-wax hydrogen isotopic evidence for postglacial variations in delivery of precipitation in the monsoon domain of China. <i>Geology</i> , 2011, 39, 875-878.	4.4	46
7	Holocene sea surface temperature and sea ice extent in the Okhotsk and Bering Seas. <i>Progress in Oceanography</i> , 2014, 126, 242-253.	3.2	46
8	Time-series sediment trap record of alkenones from the western Sea of Okhotsk. <i>Marine Chemistry</i> , 2007, 104, 253-265.	2.3	39
9	Ice-core records of biomass burning. <i>Infrastructure Asset Management</i> , 2016, 3, 140-162.	1.6	35
10	Fluxes, source and transport of organic matter in the western Sea of Okhotsk: Stable carbon isotopic ratios of n-alkanes and total organic carbon. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 253-270.	1.4	34
11	Novel alkenone-producing strains of genus <i>Isochrysis</i> (Haptophyta) isolated from Canadian saline lakes show temperature sensitivity of alkenones and alkenoates. <i>Organic Geochemistry</i> , 2018, 121, 89-103.	1.8	31
12	Paleoenvironmental significance of compound-specific $\delta^{13}C$ variations in n-alkanes in the Hongyuan peat sequence from southwest China over the last 13ka. <i>Organic Geochemistry</i> , 2010, 41, 491-497.	1.8	30
13	New insights into Holocene hydrology and temperature from lipid biomarkers in western Mediterranean alpine wetlands. <i>Quaternary Science Reviews</i> , 2020, 240, 106395.	3.0	28
14	Assessment and calibration of TEX86 paleothermometry in the Sea of Okhotsk and sub-polar North Pacific region: Implications for paleoceanography. <i>Progress in Oceanography</i> , 2014, 126, 254-266.	3.2	24
15	Paleoclimate variability in central Taiwan during the past 30Kyr reflected by pollen, $\delta^{13}C_{TOC}$, and n-alkane- δ^2H records in a peat sequence from Toushe Basin. <i>Journal of Asian Earth Sciences</i> , 2013, 69, 166-176.	2.3	23
16	Influence of aerosol source regions and transport pathway on δ^2H of terrestrial biomarkers in atmospheric aerosols from the East China Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 164-176.	3.9	23
17	A 60-Year Record of Atmospheric Aerosol Depositions Preserved in a High-Accumulation Dome Ice Core, Southeast Greenland. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 574-589.	3.3	23
18	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude. <i>Nature</i> , 2021, 600, 450-455.	27.8	21

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19	Cycladophora davisiana (Radiolaria) in the Okhotsk Sea: A key for reconstructing glacial ocean conditions. <i>Journal of Oceanography</i> , 2006, 62, 639-648.	1.7	19
20	Spatial distributions of dicarboxylic acids, $\delta^{13}\text{C}$ -oxoacids, pyruvic acid and $\delta^{15}\text{N}$ -dicarbonyls in the remote marine aerosols over the North Pacific. <i>Marine Chemistry</i> , 2015, 172, 1-11.	2.3	19
21	Mid-Holocene Antarctic sea-ice increase driven by marine ice sheet retreat. <i>Climate of the Past</i> , 2021, 17, 1-19.	3.4	18
22	Ice core records of levoglucosan and dehydroabietic and vanillic acids from Aurora Peak in Alaska since the 1660s: a proxy signal of biomass-burning activities in the North Pacific Rim. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 597-612.	4.9	15
23	Mid- to late Holocene hydroclimatic changes on the Chinese Loess Plateau: evidence from n-alkanes from the sediments of Tianchi Lake. <i>Journal of Paleolimnology</i> , 2018, 60, 511-523.	1.6	14
24	Assessment of hydrogen isotopic compositions of $\delta^{13}\text{C}$ -fatty acids as paleoclimate proxies in Lake Biwa sediments. <i>Journal of Quaternary Science</i> , 2012, 27, 884-890.	2.1	13
25	Dust deposition tracks late-Holocene shifts in monsoon activity and the increasing role of human disturbance in the Puna-Altiplano, northwest Argentina. <i>Holocene</i> , 2020, 30, 519-536.	1.7	13
26	Genomic identification of the long-chain alkenone producer in freshwater Lake Toyoni, Japan: implications for temperature reconstructions. <i>Organic Geochemistry</i> , 2018, 125, 189-195.	1.8	12
27	New Magnetostratigraphic Insights From Iceberg Alley on the Rhythms of Antarctic Climate During the Pliocene-Pleistocene. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003994.	2.9	12
28	Antiphased dust deposition and productivity in the Antarctic Zone over 1.5 million years. <i>Nature Communications</i> , 2022, 13, 2044.	12.8	11
29	Late Miocene changes in C_{30} , C_{31} and aquatic plant vegetation in the Indus River basin: evidence from leaf wax $\delta^{13}\text{C}$ from Indus Fan sediments. <i>Geological Magazine</i> , 2020, 157, 979-988.	1.5	8
30	Historical Trends of Biogenic SOA Tracers in an Ice Core from Kamchatka Peninsula. <i>Environmental Science and Technology Letters</i> , 2016, 3, 351-358.	8.7	7
31	The significance of pyrogenic polycyclic aromatic hydrocarbons in Borneo peat core for the reconstruction of fire history. <i>PLoS ONE</i> , 2021, 16, e0256853.	2.5	7
32	Tropical Western Pacific Hydrology During the Last 6,000 Years Based on Wildfire Charcoal Records From Borneo. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093832.	4.0	6
33	Integrated Neogene biochemostratigraphy at DSDP Site 296 on the Kyushu-Palau Ridge in the western North Pacific. <i>Newsletters on Stratigraphy</i> , 2020, 53, 313-331.	1.2	6
34	$\delta^{13}\text{C}$ -Alkanes in Fresh Snow in Hokkaido, Japan: Implications for Ice Core Studies. <i>Arctic, Antarctic, and Alpine Research</i> , 2013, 45, 119-131.	1.1	5
35	Investigation of Adequate Calibration Methods for X-ray Fluorescence Core Scanning Element Count Data: A Case Study of a Marine Sediment Piston Core from the Gulf of Alaska. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 540.	2.6	5
36	Episodes of Early Pleistocene West Antarctic Ice Sheet Retreat Recorded by Iceberg Alley Sediments. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	2.9	5

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37	Cellulose Oxygen Isotopes of Sphagnum and Vascular Plants in a Peat Core Reveal Climate Change in Northern Japan Over the Past 2,000 Years. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009597.	2.5	2
38	Impact of Climate Change on Hunter-Fisher-Gatherer Cultures in Northern Japan Over the Past 4,400 Years. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	1
39	Dust correlation and oxygen isotope stratigraphy in the Southern Ocean over the last 450 kyrs: An Indian sector perspective. <i>Quaternary Science Reviews</i> , 2022, 286, 107508.	3.0	0