## Yusuke Sawaki

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. Geochimica Et Cosmochimica Acta, 2015, 156, 173-193.	3.9	222
2	The Ediacaran radiogenic Sr isotope excursion in the Doushantuo Formation in the Three Gorges area, South China. Precambrian Research, 2010, 176, 46-64.	2.7	202
3	Carbon isotope chemostratigraphy of a Precambrian/Cambrian boundary section in the Three Gorge area, South China: Prominent global-scale isotope excursions just before the Cambrian Explosion. Gondwana Research, 2008, 14, 193-208.	6.0	147
4	Carbon and oxygen isotope chemostratigraphies of the Yangtze platform, South China: Decoding temperature and environmental changes through the Ediacaran. Gondwana Research, 2013, 23, 333-353.	6.0	101
5	Evolution of the composition of seawater through geologic time, and its influence on the evolution of life. Gondwana Research, 2008, 14, 159-174.	6.0	91
6	New chronological constraints for Cryogenian to Cambrian rocks in the Three Gorges, Weng'an and Chengjiang areas, South China. Gondwana Research, 2014, 25, 1027-1044.	6.0	86
7	Geology of the Eoarchean, > 3.95 Ga, Nulliak supracrustal rocks in the Saglek Block, northern Labrador, Canada: The oldest geological evidence for plate tectonics. Tectonophysics, 2015, 662, 40-66.	2.2	82
8	Nitrogen isotope chemostratigraphy of the Ediacaran and Early Cambrian platform sequence at Three Gorges, South China. Gondwana Research, 2014, 25, 1057-1069.	6.0	68
9	Sr isotope excursion across the Precambrian–Cambrian boundary in the Three Gorges area, South China. Gondwana Research, 2008, 14, 134-147.	6.0	62
10	Grain-scale iron isotopic distribution of pyrite from Precambrian shallow marine carbonate revealed by a femtosecond laser ablation multicollector ICP-MS technique: Possible proxy for the redox state of ancient seawater. Geochimica Et Cosmochimica Acta, 2010, 74, 2760-2778.	3.9	59
11	The Cambrian Explosion: Plume-driven birth of the second ecosystem on Earth. Gondwana Research, 2014, 25, 945-965.	6.0	59
12	Initiation of leaking Earth: An ultimate trigger of the Cambrian explosion. Gondwana Research, 2014, 25, 910-944.	6.0	49
13	Geotectonic framework of the Blueschist Unit on Anglesey–Lleyn, UK, and its role in the development of a Neoproterozoic accretionary orogen. Precambrian Research, 2007, 153, 11-28.	2.7	45
14	Internal structures and U–Pb ages of zircons from a tuff layer in the Meishucunian formation, Yunnan Province, South China. Gondwana Research, 2008, 14, 148-158.	6.0	45
15	87Sr/86Sr chemostratigraphy of Neoproterozoic Dalradian carbonates below the Port Askaig Glaciogenic Formation, Scotland. Precambrian Research, 2010, 179, 150-164.	2.7	37
16	In situ iron isotope analyses of pyrite and organic carbon isotope ratios in the Fortescue Group: Metabolic variations of a Late Archean ecosystem. Precambrian Research, 2012, 212-213, 169-193.	2.7	37
17	Nine requirements for the origin of Earth's life: Not at the hydrothermal vent, but in a nuclear geyser system. Geoscience Frontiers, 2019, 10, 1337-1357.	8.4	37
18	Tracking the redox history and nitrogen cycle in the pelagic Panthalassic deep ocean in the Middle Triassic to Early Jurassic: Insights from redox-sensitive elements and nitrogen isotopes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 449, 397-420.	2.3	35

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19	Occurrence and geochronology of the Eoarchean, â^1⁄43.9 Ga, Iqaluk Gneiss in the Saglek Block, northern Labrador, Canada: Evidence for the oldest supracrustal rocks in the world. Precambrian Research, 2016, 278, 218-243.	2.7	34
20	Tonian-Cryogenian boundary sections of Argyll, Scotland. Precambrian Research, 2018, 319, 37-64.	2.7	32
21	A prolonged granitoid formation in Saglek Block, Labrador: Zonal growth and crustal reworking of continental crust in the Eoarchean. Geoscience Frontiers, 2017, 8, 355-385.	8.4	29
22	In-situ iron isotope analysis of pyrites in ~ 3.7 Ga sedimentary protoliths from the Isua supracrustal belt, southern West Greenland. Chemical Geology, 2015, 401, 126-139.	3.3	28
23	The marine environments encompassing the Neoproterozoic glaciations: Evidence from C, Sr and Fe isotope ratios in the Hecla Hoek Supergroup in Svalbard. Precambrian Research, 2015, 263, 19-42.	2.7	28
24	Depth variation of carbon and oxygen isotopes of calcites in Archean altered upperoceanic crust: Implications for the CO2 flux from ocean to oceanic crust in the Archean. Earth and Planetary Science Letters, 2012, 321-322, 64-73.	4.4	27
25	In-situ analyses of phosphorus contents of carbonate minerals: Reconstruction of phosphorus contents of seawater from the Ediacaran to early Cambrian. Gondwana Research, 2014, 25, 1090-1107.	6.0	27
26	Reactions between olivine and CO2-rich seawater at 300°C: Implications for H2 generation and CO2 sequestration on theÂearlyÂEarth. Geoscience Frontiers, 2017, 8, 387-396.	8.4	26
27	Global perturbations of carbon cycle during the Triassic–Jurassic transition recorded in the mid-Panthalassa. Earth and Planetary Science Letters, 2018, 500, 105-116.	4.4	26
28	Imbricated ocean-plate stratigraphy and U-Pb zircon ages from tuff beds in cherts in the Ballantrae complex, SW Scotland. Bulletin of the Geological Society of America, 2010, 122, 454-464.	3.3	24
29	Reactions between komatiite and CO2-rich seawater at 250 and 350°C, 500 bars: implications for hydrogen generation in the Hadean seafloor hydrothermal system. Progress in Earth and Planetary Science, 2016, 3, .	3.0	24
30	The anomalous Ca cycle in the Ediacaran ocean: Evidence from Ca isotopes preserved in carbonates in the Three Gorges area, South China. Gondwana Research, 2014, 25, 1070-1089.	6.0	23
31	Ancient oceanic crust in island arc lower crust: Evidence from oxygen isotopes in zircons from the Tanzawa Tonalitic Pluton. Lithos, 2015, 228-229, 43-54.	1.4	23
32	An integrated chemostratigraphic (δ13C-δ18O-87Sr/86Sr-δ15N) study of the Doushantuo Formation in western Hubei Province, South China. Precambrian Research, 2019, 320, 232-252.	2.7	22
33	Rock magnetism of tiny exsolved magnetite in plagioclase from a Paleoarchean granitoid in the Pilbara craton. Geochemistry, Geophysics, Geosystems, 2015, 16, 112-125.	2.5	20
34	The Late Jurassic magmatic protoliths of the Mikabu greenstones in SW Japan: A fragment of an oceanic plateau in the Paleo-Pacific Ocean. Journal of Asian Earth Sciences, 2019, 169, 228-236.	2.3	20
35	Shift in limiting nutrients in the late Ediacaran–early Cambrian marine systems of South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 530, 281-299. 	2.3	18
36	In-situ iron isotope analyses of pyrites from 3.5 to 3.2Ga sedimentary rocks of the Barberton Greenstone Belt, Kaapvaal Craton. Chemical Geology, 2015, 403, 58-73.	3.3	17

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37	Ordovician ocean plate stratigraphy and thrust duplexes of the Ballantrae Complex, SW Scotland: Implications for the pelagic deposition rate and forearc accretion in the closing Iapetus Ocean. Tectonophysics, 2015, 662, 312-327.	2.2	16
38	Redox history of the Three Gorges region during the Ediacaran and Early Cambrian as indicated by the Fe isotope. Geoscience Frontiers, 2018, 9, 155-172.	8.4	16
39	Redox condition and nitrogen cycle in the Permian deep mid-ocean: A possible contrast between Panthalassa and Tethys. Global and Planetary Change, 2019, 172, 179-199.	3.5	16
40	Large P–T gap between Ballantrae blueschist/garnet pyroxenite and surrounding ophiolite, southern Scotland, UK: Diapiric exhumation of a Caledonian serpentinite mélange. Lithos, 2008, 104, 337-354.	1.4	14
41	Zircon U–Pb dating from the mafic enclaves in the Tanzawa Tonalitic Pluton, Japan: Implications for arc history and formation age of the lower-crust. Lithos, 2014, 196-197, 301-320.	1.4	14
42	Geochemical characteristics of zircons in the <scp>A</scp> shizuri <scp>A</scp> â€type granitoids: <scp>A</scp> n additional granite topology tool for detrital zircon studies. Island Arc, 2017, 26, e12216.	1.1	13
43	Redox conditions and nitrogen cycling during the Triassic-Jurassic transition: A new perspective from the mid-Panthalassa. Earth-Science Reviews, 2020, 204, 103173.	9.1	13
44	Accreted Kula plate fragment at 94Ma in the Yokonami-melange, Shimanto-belt, Shikoku, Japan. Tectonophysics, 2014, 623, 136-146.	2.2	12
45	Three-step modernization of the ocean: Modeling of carbon cycles and the revolution of ecological systems in the Ediacaran/Cambrian periods. Geoscience Frontiers, 2015, 6, 121-136.	8.4	12
46	Reconstruction of ocean plate stratigraphy in the Gwna Group, NW Wales: Implications for the subduction–accretion process of a latest Proterozoic trench-forearc. Tectonophysics, 2015, 662, 195-207.	2.2	11
47	Redox condition of the late Neoproterozoic pelagic deep ocean: 57Fe Mössbauer analyses of pelagic mudstones in the Ediacaran accretionary complex, Wales, UK. Tectonophysics, 2015, 662, 472-480.	2.2	11
48	Constraints on the P–T conditions of high-pressure metamorphic rocks from the Inyoni shear zone in the mid-Archean Barberton Greenstone Belt, South Africa. Precambrian Research, 2018, 315, 1-18.	2.7	11
49	Chronological constraints on the Paleoproterozoic Francevillian Group in Gabon. Geoscience Frontiers, 2017, 8, 397-407.	8.4	10
50	Precambrian basement, provenance implication, and tectonic evolution of the Gargan block of the Tuva-Mongolia terranes, Central Asian Orogenic Belt. Gondwana Research, 2019, 75, 172-183.	6.0	10
51	A high-resolution chemostratigraphy of post-Marinoan Cap Carbonate using drill core samples in the Three Gorges area, South China. Geoscience Frontiers, 2016, 7, 663-671.	8.4	9
52	U–Pb ages of granitoids around the Kofu basin: Implications for the Neogene geotectonic evolution of the South Fossa Magna region, central Japan. Island Arc, 2020, 29, e12361.	1.1	9
53	Chemical Nature of Hydrothermal Fluids Generated by Serpentinization and Carbonation of Komatiite: Implications for H <sub>2</sub> â€Rich Hydrothermal System and Ocean Chemistry in the Early Earth. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009827.	2.5	9
54	Geochemistry of accreted metavolcanic rocks from the Neoproterozoic Gwna Group of Anglesey–Lleyn, NW Wales, U.K.: MORB and OIB in the Iapetus Ocean. Tectonophysics, 2015, 662, 243-255.	2.2	8

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55	Growth, Duplication and Lateral Mutual Compressive Deformation of Akouemma hemisphaeria on the Seafloor of Okondja Basin at 2.2 Ga (Gabon). International Journal of Geosciences, 2017, 08, 1172-1191.	0.6	7
56	New isotopic age data constrain the depositional age and accretionary history of the Neoproterozoic-Ordovician Mona Complex (Anglesey-Lleyn, Wales). Tectonophysics, 2017, 706-707, 164-195.	2.2	6
57	U–Pb zircon geochronology of the North Pole Dome adamellite in the eastern Pilbara Craton. Island Arc, 2018, 27, e12248.	1.1	6
58	New geochronological constraints on the middle Archean Shurugwi greenstone belt toward an understanding of the crustal evolution of the Zimbabwe Craton. Journal of African Earth Sciences, 2021, 173, 104021.	2.0	6
59	Preâ€ŧreatment Methods for Accurate Determination of Total Nitrogen and Organic Carbon Contents and their Stable Isotopic Compositions: Reâ€evaluation from Geological Reference Materials. Geostandards and Geoanalytical Research, 2022, 46, 5-19.	3.1	5
60	Geology around Natural Reactors and Birthplace of Eukaryotes. Journal of Geography (Chigaku) Tj ETQq0 0 0 rgI	3T /Oyerloo	ck 10 Tf 50 54
61	Age constraints on the Palaeoproterozoic Lomagundi–Jatuli Event in Zimbabwe: Zircon geochronology of the Magondi Supergroup. Terra Nova, 2019, 31, 438-444.	2.1	4
62	Traceâ€element composition of zircon in <scp>Kofu and Tanzawa</scp> granitoids, <scp>Japan</scp> : Quantitative indicator of sediment incorporated in parent magma. Island Arc, 2022, 31, .	1.1	4
63	Constraints for the Causes of Mass Extinction at the Triassic–Jurassic Boundary Based on High Precision Platinum Group Element Analyses. Bunseki Kagaku, 2015, 64, 341-348.	0.2	3
64	Spatial distribution and speciation of sulfur in Ediacaran limestones with μ-XRF imaging and XANES spectroscopy: Implications for diagenetic mobilization of sulfur species. Geochimica Et Cosmochimica Acta, 2021, 306, 20-43.	3.9	3
65	The origin of methane in serpentinite-hosted hyperalkaline hot spring at Hakuba Happo, Japan: Radiocarbon, methane isotopologue and noble gas isotope approaches. Earth and Planetary Science Letters, 2022, 585, 117510.	4.4	3
66	Chemical composition and K–Ar age of Phengite from Barrovian metapelites, Loch Leven, Scotland. Journal of the Geological Society of Japan, 2013, 119, 437-442.	0.6	2
67	New chronological constraints on Neoarchean gneisses, Proterozoic cover sediments, and Triassic granite, Jixian, China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 459, 182-197.	2.3	2
68	Serpentinite-hosted Hydrothermal System on the Early Earth. Journal of Geography (Chigaku Zasshi), 2019, 128, 491-511.	0.3	2
69	Hf-O isotope systematics of zircons from the Taitao granitoids: Implications for slab-melting material. Lithos, 2020, 372-373, 105665.	1.4	2
70	Unravelling the Origins of Life: Hakuba Hot-spring Chemistry of Oldest Microbes and Significance of Microbes Surviving in a Hadean-like Environment. Journal of Geography (Chigaku Zasshi), 2020, 129, 757-777.	0.3	2
71	Importance of Prokaryotes for the Origin of Eukaryotes and the Global Environment at 2.4-2.0 Ga. Journal of Geography (Chigaku Zasshi), 2020, 129, 899-912.	0.3	2
72	Abiotic Methane Generation via CO 2 Hydrogenation With Natural Chromitite Under Hydrothermal Conditions. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009533.	2.5	0