Yuichiro Ueno

List of Publications by Year
in descending order

94 papers	4,572 citations	101543 36 h-index	106344 65 g-index
96 all docs	96 docs citations	96 times ranked	3820 citing authors

#	Article	IF	Citations
1	Evidence from fluid inclusions for microbial methanogenesis in the early Archaean era. Nature, 2006, 440, 516-519.	27.8	459
2	Low Core-Mantle Boundary Temperature Inferred from the Solidus of Pyrolite. Science, 2014, 343, 522-525.	12.6	224
3	Quadruple sulfur isotope analysis of ca. 3.5 Ga Dresser Formation: New evidence for microbial sulfate reduction in the early Archean. Geochimica Et Cosmochimica Acta, 2008, 72, 5675-5691.	3.9	209
4	Carbon Isotopic Signatures of Individual Archean Microfossils(?) from Western Australia. International Geology Review, 2001, 43, 196-212.	2.1	182
5	Carbon isotopes and petrography of kerogens in â¼3.5-Ga hydrothermal silica dikes in the North Pole area, Western Australia. Geochimica Et Cosmochimica Acta, 2004, 68, 573-589.	3.9	153
6	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
7	Geological sulfur isotopes indicate elevated OCS in the Archean atmosphere, solving faint young sun paradox. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14784-14789.	7.1	136
8	Hydrothermal fluid geochemistry at the Iheya North field in the mid-Okinawa Trough: Implication for origin of methane in subseafloor fluid circulation systems. Geochemical Journal, 2011, 45, 109-124.	1.0	122
9	Geology and zircon geochronology of the Acasta Gneiss Complex, northwestern Canada: New constraints on its tectonothermal history. Precambrian Research, 2007, 153, 179-208.	2.7	121
10	Highâ€precision spectroscopy of ³²S, ³³S, and ³⁴S sulfur dioxide: Ultraviolet absorption cross sections and isotope effects. Journal of Geophysical Research, 2008, 113, .	3.3	101
11	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
12	An appraisal of Archaean supracrustal sequences in Chitradurga Schist Belt, Western Dharwar Craton, Southern India. Precambrian Research, 2013, 227, 99-119.	2.7	100
13	Origin of methane in serpentinite-hosted hydrothermal systems: The CH4â€“H2â€“H2O hydrogen isotope systematics of the Hakuba Happo hot spring. Earth and Planetary Science Letters, 2014, 386, 112-125.	4.4	100
14	Micro-FTIR spectroscopic signatures of Bacterial lipids in Proterozoic microfossils. Precambrian Research, 2009, 173, 19-26.	2.7	97
15	Variability in the microbial communities and hydrothermal fluid chemistry at the newly discovered Mariner hydrothermal field, southern Lau Basin. Journal of Geophysical Research, 2008, 113, .	3.3	91
16	Ion microprobe analysis of graphite from ca. 3.8 Ga metasediments, Isua supracrustal belt, West Greenland: Relationship between metamorphism and carbon isotopic composition. Geochimica Et Cosmochimica Acta, 2002, 66, 1257-1268.	3.9	90
17	The Great Oxidation Event preceded a Paleoproterozoic â€œsnowball Earthâ€. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13314-13320.	7.1	90
18	Determination of 88Sr/86Sr mass-dependent isotopic fractionation and radiogenic isotope variation of 87Sr/86Sr in the Neoproterozoic Doushantuo Formation. Gondwana Research, 2008, 14, 126-133.	6.0	71

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19	Geochemical origin of hydrothermal fluid methane in sediment-associated fields and its relevance to the geographical distribution of whole hydrothermal circulation. Chemical Geology, 2013, 339, 213-225.	3.3	70
20	Irreversible change of the oceanic carbon cycle in the earliest Cambrian: High-resolution organic and inorganic carbon chemostratigraphy in the Three Gorges area, South China. Precambrian Research, 2013, 225, 190-208.	2.7	69
21	Facies architecture and sequence-stratigraphic features of the Tumbiana Formation in the Pilbara Craton, northwestern Australia: Implications for depositional environments of oxygenic stromatolites during the Late Archean. Precambrian Research, 2005, 138, 255-273.	2.7	68
22	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
23	Measurement of position-specific 13C isotopic composition of propane at the nanomole level. Geochimica Et Cosmochimica Acta, 2016, 177, 205-216.	3.9	66
24	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
25	Compoundâ€“ and positionâ€“specific carbon isotopic signatures of abiogenic hydrocarbons from onâ€“land serpentiniteâ€“hosted Hakuba Happo hot spring in Japan. Geochimica Et Cosmochimica Acta, 2017, 206, 201-215.	3.9	57
26	The Î´13C excursions spanning the Cambrian explosion to the Canglangpuian mass extinction in the Three Gorges area, South China. Gondwana Research, 2014, 25, 1045-1056.	6.0	52
27	The appearance of an oxygen-depleted condition on the Capitanian disphotic slope/basin in South China: Middleâ€“Upper Permian stratigraphy at Chaotian in northern Sichuan. Global and Planetary Change, 2013, 105, 180-192.	3.5	50
28	SO ₂ photoexcitation mechanism links mass-independent sulfur isotopic fractionation in cryospheric sulfate to climate impacting volcanism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17656-17661.	7.1	50
29	Speciation and isotope ratios of nitrogen in fluid inclusions from seafloor hydrothermal deposits at â¼Â3.5ÂGa. Earth and Planetary Science Letters, 2007, 254, 332-344.	4.4	49
30	Geochemical and Metagenomic Characterization of Jinata Onsen, a Proterozoic-Analog Hot Spring, Reveals Novel Microbial Diversity including Iron-Tolerant Phototrophs and Thermophilic Lithotrophs. Microbes and Environments, 2019, 34, 278-292.	1.6	48
31	Ultraviolet absorption cross sections of carbonyl sulfide isotopologues OC³²S, OC³³S, OC³⁴S and O¹³CS: isotopic fractionation in photolysis and atmospheric implications. Atmospheric Chemistry and Physics, 2011, 11, 10293-10303.	4.9	45
32	Intramolecular isotopic evidence for bacterial oxidation of propane in subsurface natural gas reservoirs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6653-6658.	7.1	44
33	Spatial Distribution of Viruses Associated with Planktonic and Attached Microbial Communities in Hydrothermal Environments. Applied and Environmental Microbiology, 2012, 78, 1311-1320.	3.1	42
34	Middleâ€“Upper Permian carbon isotope stratigraphy at Chaotian, South China: Pre-extinction multiple upwelling of oxygen-depleted water onto continental shelf. Journal of Asian Earth Sciences, 2013, 67-68, 51-62.	2.3	42
35	Sulfur isotope fractionation by broadband UV radiation to optically thin SO 2 under reducing atmosphere. Earth and Planetary Science Letters, 2016, 453, 9-22.	4.4	41
36	Geoelectrochemical CO production: Implications for the autotrophic origin of life. Science Advances, 2018, 4, eaao7265.	10.3	41

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37	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
38	Simultaneous determinations of fluorine, chlorine, and sulfur in rock samples by ion chromatography combined with pyrohydrolysis. Geochemical Journal, 2015, 49, 113-124.	1.0	36
39	Microbial sulfate reduction within the Iheya North subseafloor hydrothermal system constrained by quadruple sulfur isotopes. Earth and Planetary Science Letters, 2014, 398, 113-126.	4.4	35
40	Photoabsorption crossâ€section measurements of ³²S, ³³S, ³⁴S, and ³⁶S sulfur dioxide from 190 to 220â€‰nm. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2546-2557.	3.3	35
41	Loss and Fractionation of Noble Gas Isotopes and Moderately Volatile Elements from Planetary Embryos and Early Venus, Earth and Mars. Space Science Reviews, 2020, 216, 1.	8.1	34
42	In situInfrared Microspectroscopy of â¼850 Million-Year-Old Prokaryotic Fossils. Applied Spectroscopy, 2006, 60, 1111-1120.	2.2	32
43	Coccoid-Like Microstructures in a 3.0 Ga Chert from Western Australia. International Geology Review, 2006, 48, 78-88.	2.1	31
44	Nitrogen isotope chemostratigraphy across the Permianâ€“Triassic boundary at Chaotian, Sichuan, South China. Journal of Asian Earth Sciences, 2014, 93, 113-128.	2.3	31
45	Ejection of iron-bearing giant-impact fragments and the dynamical and geochemical influence of the fragment re-accretion. Earth and Planetary Science Letters, 2017, 470, 87-95.	4.4	31
46	Seasonal change in microbial sulfur cycling in monomictic Lake Fukamiâ€ike, Japan. Limnology and Oceanography, 2012, 57, 974-988.	3.1	30
47	Isotopic evidence for water-column denitrification and sulfate reduction at the end-Guadalupian (Middle Permian). Global and Planetary Change, 2014, 123, 110-120.	3.5	29
48	Rare-Earth Element, Lead, Carbon, and Nitrogen Geochemistry of Apatite-Bearing Metasediments from the â¼3.8 Ga Isua Supracrustal Belt, West Greenland. International Geology Review, 2005, 47, 952-970.	2.1	27
49	Photoabsorption crossâ€section measurements of³²S, ³³S, ³⁴S, and ³⁶S sulfur dioxide for the B¹B₁â€X¹A₁ absorption band. Journal of Geophysical Research, 2012, 117, .	3.3	27
50	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
51	Rapid quadruple sulfur isotope analysis at the sub-micromole level by a flash heating with CoF3. Chemical Geology, 2015, 419, 29-35.	3.3	27
52	Determination of the Sulfur Isotope Ratio in Carbonyl Sulfide Using Gas Chromatography/Isotope Ratio Mass Spectrometry on Fragment Ions ³²S⁺, ³³S⁺, and ³⁴S⁺. Analytical Chemistry, 2015, 87, 477-484.	6.5	27
53	Hydrogen isotope systematics among H2â€“H2Oâ€“CH4 during the growth of the hydrogenotrophic methanogen Methanothermobacter thermautotrophicus strain Î”H. Geochimica Et Cosmochimica Acta, 2014, 142, 601-614.	3.9	26
54	Biogeochemistry of nitrous oxide in Lake Kizaki, Japan, elucidated by nitrous oxide isotopomer analysis. Journal of Geophysical Research, 2011, 116, .	3.3	25

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55	Changes of aliphatic Câ€“H bonds in cyanobacteria during experimental thermal maturation in the presence or absence of silica as evaluated by <scp>FTIR</scp> microspectroscopy. Geobiology, 2018, 16, 412-428.	2.4	25
56	FTIR microspectroscopy of Ediacaran phosphatized microfossils from the Doushantuo Formation, Weng'an, South China. Gondwana Research, 2014, 25, 1120-1138.	6.0	22
57	Geochemical characteristics of hydrothermal fluids at Hatoma Knoll in the southern Okinawa Trough. Geochemical Journal, 2016, 50, 493-525.	1.0	22
58	Domainâ€level identification and quantification of relative prokaryotic cell abundance in microbial communities by Microâ€FTIR spectroscopy. Environmental Microbiology Reports, 2012, 4, 42-49.	2.4	21
59	Multiple sulfur isotope geochemistry of Dharwar Supergroup, Southern India: Late Archean record of changing atmospheric chemistry. Earth and Planetary Science Letters, 2017, 464, 69-83.	4.4	21
60	Coping with low ocean sulfate. Science, 2014, 346, 703-704.	12.6	17
61	Multiple sulfur isotope records at the end-Guadalupian (Permian) at Chaotian, China: Implications for a role of bioturbation in the Phanerozoic sulfur cycle. Journal of Asian Earth Sciences, 2017, 135, 70-79.	2.3	17
62	Decrease of seawater CO2 concentration in the Late Archean: An implication from 2.6 Ga seafloor hydrothermal alteration. Precambrian Research, 2013, 236, 59-64.	2.7	16
63	Multiple sulfur isotope constraints on microbial sulfate reduction below an Archean seafloor hydrothermal system. Geobiology, 2018, 16, 107-120.	2.4	16
64	The oxygen isotope composition of earth's oldest rocks and evidence of a terrestrial magma ocean. Geochemistry, Geophysics, Geosystems, 2013, 14, 1929-1939.	2.5	15
65	An isotopic analysis of ionising radiation as a source of sulphuric acid. Atmospheric Chemistry and Physics, 2012, 12, 5319-5327.	4.9	14
66	Recycled Archean sulfur in the mantle wedge of the Mariana Forearc and microbial sulfate reduction within an extremely alkaline serpentine seamount. Earth and Planetary Science Letters, 2018, 491, 109-120.	4.4	14
67	Total Pressure Dependence of Sulfur Massâ€Independent Fractionation by SO₂ Photolysis. Geophysical Research Letters, 2019, 46, 483-491.	4.0	14
68	Ion microprobe U-Pb dating and REE analysis of apatite from kerogen-rich silica dike from North Pole area, Pilbara Craton, Western Australia. Geochemical Journal, 2004, 38, 243-254.	1.0	12
69	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
70	Molecular fossils extracted from the Early Cambrian section in the Three Gorges area, South China. Gondwana Research, 2014, 25, 1108-1119.	6.0	11
71	Authigenic carbonate precipitation at the end-Guadalupian (Middle Permian) in China: Implications for the carbon cycle in ancient anoxic oceans. Progress in Earth and Planetary Science, 2015, 2, .	3.0	11
72	Tracking the migration of the Indian continent using the carbonate clumped isotope technique on Phanerozoic soil carbonates. Scientific Reports, 2016, 6, 22187.	3.3	11

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73	Sulfur isotope systematics of granitoids from the Yilgarn Craton sheds new light on the fluid reservoirs of Neoarchean orogenic gold deposits. Geochimica Et Cosmochimica Acta, 2022, 326, 199-213.	3.9	11
74	Influence of cell's growth phase on the sulfur isotopic fractionation during in vitro microbial sulfate reduction. Chemical Geology, 2016, 431, 1-9.	3.3	10
75	FTIR microspectroscopy of carbonaceous matter in ~â€‰3.5 Ga seafloor hydrothermal deposits in the North Pole area, Western Australia. Progress in Earth and Planetary Science, 2018, 5, .	3.0	10
76	Hydrogenation reactions of carbon on Earth: Linking methane, margarine, and life. American Mineralogist, 2020, 105, 599-608.	1.9	9
77	Tracing sulfur sources in the crust via SIMS measurements of sulfur isotopes in apatite. Chemical Geology, 2021, 579, 120242.	3.3	9
78	Biosignatures and abiotic constraints on early life (Reply). Nature, 2006, 444, E18-E19.	27.8	7
79	PIXE and microthermometric analyses of fluid inclusions in hydrothermal quartz from the 2.2Ga Ongeluk Formation, South Africa: Implications for ancient seawater salinity. Precambrian Research, 2016, 286, 337-351.	2.7	7
80	Multiple Sulfur Isotope Records of the 3.22 Ga Moodies Group, Barberton Greenstone Belt. Geosciences (Switzerland), 2020, 10, 145.	2.2	7
81	Variations in thermal state revealed by the geochemistry of fumarolic gases and hot-spring waters of the Tateyama volcanic hydrothermal system, Japan. Bulletin of Volcanology, 2019, 81, 1.	3.0	6
82	Multiple sulfur isotope chemostratigraphy across the <scp>Permianâ€“Triassic</scp> boundary at Chaotian, China: Implications for a shoaling model of toxic deepâ€waters. Island Arc, 2021, 30, e12398.	1.1	6
83	A fluorination method for measuring the ¹³Câ€¹³C isotopologue of C₂ molecules. Rapid Communications in Mass Spectrometry, 2020, 34, e8761.	1.5	5
84	<i>In situ</i> analyses of hydrogen and sulfur isotope ratios in basaltic glass using SIMS. Geochemical Journal, 2019, 53, 195-207.	1.0	5
85	The Great Oxidation Event Preceded a Paleoproterozoic â€˜snowball Earthâ€™. , 2020, , .		5
86	Spatial distribution of organic functional groups in Ediacaran acritarchs from the Doushantuo Formation in South China as revealed by micro-FTIR spectroscopy. Precambrian Research, 2022, 373, 106628.	2.7	5
87	Micro-FTIR Spectroscopic Imaging of ~1,900 Ma Stromatolitic Chert. Cellular Origin and Life in Extreme Habitats, 2011, , 445-461.	0.3	4
88	Decoding Redox Evolution Before Oxygenic Photosynthesis Based on the Sulfur-Mass Independent Fractionation (S-MIF) Record. Origins of Life and Evolution of Biospheres, 2015, 45, 371-374.	1.9	4
89	Reply to comment on â€œOrigin of methane in serpentinite-hosted hydrothermal systems: The CH4â€“H2â€“H2O hydrogen isotope systematics of the Hakuba Happo hot springâ€•by Suda et al. [Earth Planet. Sci. Lett. 386 (2014) 112â€“125]. Earth and Planetary Science Letters, 2014, 401, 376-377.	4.4	3
90	Spatial distribution and speciation of sulfur in Ediacaran limestones with Î¼-XRF imaging and XANES spectroscopy: Implications for diagenetic mobilization of sulfur species. Geochimica Et Cosmochimica Acta, 2021, 306, 20-43.	3.9	3

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91	Absorption spectra measurements at ~1 cm^{â€“1} spectral resolution of ³²S, ³³S, ³⁴S, and ³⁶S sulfur dioxide for the 206â€“220 nm region and applications to modeling of the isotopic self-shielding. Geochemical Journal, 2022, 56, 40-56.	1.0	3
92	Preserved sedimentary structures in the Archean Dharwar Supergroup, southwest India. Journal of the Geological Society of Japan, 2015, 121, VII-VIII.	0.6	2
93	Standardization for 13 Câ€•13 C clumped isotope analysis by the fluorination method. Rapid Communications in Mass Spectrometry, 2021, 35, e9109.	1.5	2
94	When Did Life Begin? It is Older than 3.8 Ga. Journal of Geography (Chigaku Zasshi), 2011, 120, 877-885.	0.3	1