Yoshio Takahashi

List of Publications by Year
in descending order

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328	11,305	28272 55	46795 89
papers	citations	h-index	g-index

333	333	333	9517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arsenic Behavior in Paddy Fields during the Cycle of Flooded and Non-flooded Periods. Environmental Science & Technology, 2004, 38, 1038-1044.	10.0	474
2	Bioreductive deposition of platinum nanoparticles on the bacterium Shewanella algae. Journal of Biotechnology, 2007, 128, 648-653.	3.8	442
3	Comparison of Antimony Behavior with that of Arsenic under Various Soil Redox Conditions. Environmental Science & Technology, 2006, 40, 7270-7276.	10.0	288
4	Arsenic release from flooded paddy soils is influenced by speciation, Eh, pH, and iron dissolution. Chemosphere, 2011, 83, 925-932.	8.2	269
5	Chemical and structural control of the partitioning of Co, Ce, and Pb in marine ferromanganese oxides. Geochimica Et Cosmochimica Acta, 2007, 71, 984-1008.	3.9	249
6	Adsorption of rare earth elements onto bacterial cell walls and its implication for REE sorption onto natural microbial mats. Chemical Geology, 2005, 219, 53-67.	3.3	211
7	Comparison of adsorption behavior of multiple inorganic ions on kaolinite and silica in the presence of humic acid using the multitracer technique. Geochimica Et Cosmochimica Acta, 1999, 63, 815-836.	3.9	210
8	Antimony(V) Incorporation into Synthetic Ferrihydrite, Goethite, and Natural Iron Oxyhydroxides. Environmental Science & Technology, 2010, 44, 3712-3718.	10.0	209
9	An EXAFS study on the effects of natural organic matter and the expandability of clay minerals on cesium adsorption and mobility. Geochimica Et Cosmochimica Acta, 2014, 135, 49-65.	3.9	160
10	Arsenic Distribution and Speciation near Rice Roots Influenced by Iron Plaques and Redox Conditions of the Soil Matrix. Environmental Science & Technology, 2014, 48, 1549-1556.	10.0	158
11	Direct observation of tetravalent cerium in ferromanganese nodules and crusts by X-ray-absorption near-edge structure (XANES). Geochimica Et Cosmochimica Acta, 2000, 64, 2929-2935.	3.9	141
12	Land-Surface Contamination by Radionuclides from the Fukushima Daiichi Nuclear Power Plant Accident. Elements, 2012, 8, 201-206.	0.5	137
13	W- and M-type tetrad effects in REE patterns for waterâ€“rock systems in the Tono uranium deposit, central Japan. Chemical Geology, 2002, 184, 311-335.	3.3	132
14	Vertical profiles of Iodine-131 and Cesium-137 in soils in Fukushima Prefecture related to the Fukushima Daiichi Nuclear Power Station Accident. Geochemical Journal, 2012, 46, 73-76.	1.0	129
15	Investigation of cesium adsorption on soil and sediment samples from Fukushima Prefecture by sequential extraction and EXAFS technique. Geochemical Journal, 2012, 46, 297-302.	1.0	125
16	Molecular-scale mechanisms of distribution and isotopic fractionation of molybdenum between seawater and ferromanganese oxides. Geochimica Et Cosmochimica Acta, 2011, 75, 5762-5784.	3.9	122
17	Formation of Organic Iodine Supplied as Iodide in a Soilâ^'Water System in Chiba, Japan. Environmental Science & Technology, 2011, 45, 2086-2092.	10.0	108
18	Mineralogy and crystal chemistry of Mn, Fe, Co, Ni, and Cu in a deep-sea Pacific polymetallic nodule. American Mineralogist, 2014, 99, 2068-2083.	1.9	106

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19	Size distribution studies of 137Cs in river water in the Abukuma Riverine system following the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 379-389.	1.7	104
20	Change of iron species and iron solubility in Asian dust during the long-range transport from western China to Japan. Atmospheric Chemistry and Physics, 2011, 11, 11237-11252.	4.9	98
21	Occurrence of arsenic (V) in forearc mantle serpentinites based on X-ray absorption spectroscopy study. Geochimica Et Cosmochimica Acta, 2005, 69, 5585-5596.	3.9	97
22	Tungsten species in natural ferromanganese oxides related to its different behavior from molybdenum in oxic ocean. Geochimica Et Cosmochimica Acta, 2013, 106, 364-378.	3.9	96
23	Simultaneous determination of stability constants of humate complexes with various metal ions using multitracer technique. Science of the Total Environment, 1997, 198, 61-71.	8.0	95
24	A specific Ce oxidation process during sorption of rare earth elements on biogenic Mn oxide produced by Acremonium sp. strain KR21-2. Geochimica Et Cosmochimica Acta, 2010, 74, 5463-5477.	3.9	94
25	A rare earth element signature of bacteria in natural waters?. Chemical Geology, 2007, 244, 569-583.	3.3	92
26	Origin of the difference in the distribution behavior of tellurium and selenium in a soilâ€“water system. Geochimica Et Cosmochimica Acta, 2008, 72, 1281-1294.	3.9	92
27	Isotopic determination of U, Pu and Cs in environmental waters following the Fukushima Daiichi Nuclear Power Plant accident. Geochemical Journal, 2012, 46, 355-360.	1.0	92
28	EXAFS study on the cause of enrichment of heavy REEs on bacterial cell surfaces. Geochimica Et Cosmochimica Acta, 2010, 74, 5443-5462.	3.9	88
29	Oxalate metal complexes in aerosol particles: implications for the hygroscopicity of oxalate-containing particles. Atmospheric Chemistry and Physics, 2011, 11, 4289-4301.	4.9	88
30	Determination of the oxidation state of cerium in rocks by Ce LIII-edge X-ray absorption near-edge structure spectroscopy. Analytica Chimica Acta, 2002, 468, 345-354.	5.4	84
31	Comparison of reductive accumulation of Re and Os in seawaterâ€“sediment systems. Geochimica Et Cosmochimica Acta, 2007, 71, 3458-3475.	3.9	83
32	Sorption of Strontium onto Bacteriogenic Iron Oxides. Environmental Science & Technology, 2009, 43, 1008-1014.	10.0	79
33	Uranium-236 as a new oceanic tracer: A first depth profile in the Japan Sea and comparison with caesium-137. Earth and Planetary Science Letters, 2012, 333-334, 165-170.	4.4	77
34	Differences in the immobilization of arsenite and arsenate by calcite. Geochimica Et Cosmochimica Acta, 2012, 91, 202-219.	3.9	74
35	Isotopic Compositions of ²³⁶U and Pu Isotopes in â€œBlack Substancesâ€•Collected from Roadsides in Fukushima Prefecture: Fallout from the Fukushima Dai-ichi Nuclear Power Plant Accident. Environmental Science & Technology, 2014, 48, 3691-3697.	10.0	74
36	A review of Cs-bearing microparticles in the environment emitted by the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2019, 205-206, 101-118.	1.7	71

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37	Spherical tarball particles form through rapid chemical and physical changes of organic matter in biomass-burning smoke. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19336-19341.	7.1	70
38	Diversity of fluid geochemistry affected by processes during fluid upwelling in active hydrothermal fields in the Izena Hole, the middle Okinawa Trough back-arc basin. Geochemical Journal, 2014, 48, 357-369.	1.0	69
39	Design and performance of a compact scanning transmission X-ray microscope at the Photon Factory. Review of Scientific Instruments, 2016, 87, 013704.	1.3	69
40	Microbial and geochemical features suggest iron redox cycling within bacteriogenic iron oxide-rich sediments. Chemical Geology, 2011, 281, 41-51.	3.3	67
41	Relationship between the adsorption species of cesium and radiocesium interception potential in soils and minerals: an EXAFS study. Journal of Environmental Radioactivity, 2014, 138, 92-100.	1.7	67
42	Speciation of iodine in solid environmental samples by iodine K-edge XANES: Application to soils and ferromanganese oxides. Science of the Total Environment, 2006, 363, 275-284.	8.0	65
43	Heterogeneous distribution of radiocesium in aerosols, soil and particulate matters emitted by the Fukushima Daiichi Nuclear Power Plant accident: retention of micro-scale heterogeneity during the migration of radiocesium from the air into ground and river systems. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 1927-1937.	1.5	65
44	Soil sampling and analytical strategies for mapping fallout in nuclear emergencies based on the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 300-307.	1.7	65
45	Organic matter in extraterrestrial water-bearing salt crystals. Science Advances, 2018, 4, eaao3521.	10.3	64
46	Isotopic and speciation study on cerium during its solidâ€“water distribution with implication for Ce stable isotope as a paleo-redox proxy. Geochimica Et Cosmochimica Acta, 2013, 103, 49-62.	3.9	62
47	Synchrotron X-ray spectroscopic perspective on the formation mechanism of REY-rich muds in the Pacific Ocean. Geochimica Et Cosmochimica Acta, 2018, 240, 274-292.	3.9	60
48	Transfer of rare earth elements (REE) from manganese oxides to phosphates during early diagenesis in pelagic sediments inferred from REE patterns, X-ray absorption spectroscopy, and chemical leaching method. Geochemical Journal, 2015, 49, 653-674.	1.0	60
49	Abiotic reduction of antimony(V) by green rust (Fe4(II)Fe2(III)(OH)12SO4Â·3H2O). Chemosphere, 2008, 70, 942-947.	8.2	59
50	Prediction of iodide adsorption on oxides by surface complexation modeling with spectroscopic confirmation. Journal of Colloid and Interface Science, 2009, 332, 309-316.	9.4	59
51	Tellurium Distribution and Speciation in Contaminated Soils from Abandoned Mine Tailings: Comparison with Selenium. Environmental Science & Technology, 2017, 51, 6027-6035.	10.0	59
52	Enhanced adsorption of arsenate and antimonate by calcined Mg/Al layered double hydroxide: Investigation of comparative adsorption mechanism by surface characterization. Chemosphere, 2018, 211, 903-911.	8.2	59
53	Sr and Nd isotope ratios and REE abundances of moraines in the mountain areas surrounding the Taklimakan Desert, NW China.. Geochemical Journal, 2000, 34, 407-427.	1.0	58
54	Direct observation of Cm(III)-fulvate species on fulvic acid-montmorillonite hybrid by laser-induced fluorescence spectroscopy. Geochimica Et Cosmochimica Acta, 2002, 66, 1-12.	3.9	58

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55	Characterization of Eu(III) Species Sorbed on Silica and Montmorillonite by Laser-Induced Fluorescence Spectroscopy. Radiochimica Acta, 1998, 82, 227-232.	1.2	56
56	Speciation of Antimony in PET Bottles Produced in Japan and China by X-ray Absorption Fine Structure Spectroscopy. Environmental Science & Technology, 2008, 42, 9045-9050.	10.0	56
57	Stable isotope fractionation of tungsten during adsorption on Fe and Mn (oxyhydr)oxides. Geochimica Et Cosmochimica Acta, 2017, 204, 52-67.	3.9	56
58	Discovery of radiocesium-bearing microparticles in river water and their influence on the solid-water distribution coefficient (<i>K</i>_d) of radiocesium in the Kuchibuto River in Fukushima. Geochemical Journal, 2018, 52, 145-154.	1.0	56
59	Distribution Pattern of Rare Earth Ions between Water and Montmorillonite and Its Relation to the Sorbed Species of the Ions. Analytical Sciences, 2004, 20, 1301-1306.	1.6	55
60	Late Triassic compositional changes of aeolian dusts in the pelagic Panthalassa: Response to the continental climatic change. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 393, 61-75.	2.3	54
61	Size-dependent distribution of radiocesium in riverbed sediments and its relevance to the migration of radiocesium in river systems after the Fukushima Daiichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 390-397.	1.7	54
62	Selenium speciation in seleniferous agricultural soils under different cropping systems using sequential extraction and X-ray absorption spectroscopy. Environmental Pollution, 2017, 225, 361-369.	7.5	54
63	A new method for the determination of CeIII/CeIV ratios in geological materials; application for weathering, sedimentary and diagenetic processes. Earth and Planetary Science Letters, 2000, 182, 201-207.	4.4	53
64	Interaction of Synthetic Sulfate Green Rust with Antimony(V). Environmental Science & Technology, 2009, 43, 318-323.	10.0	53
65	Preliminary characterization and biological reduction of putative biogenic iron oxides (BIOS) from the Tongaâ€Kermadec Arc, southwest Pacific Ocean. Geobiology, 2009, 7, 35-49.	2.4	51
66	A XAFS study on the mechanism of isotopic fractionation of molybdenum during its adsorption on ferromanganese oxides. Geochemical Journal, 2009, 43, e31-e36.	1.0	51
67	Local distribution of radioactivity in tree leaves contaminated by fallout of the radionuclides emitted from the Fukushima Daiichi Nuclear Power Plant. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 2007-2014.	1.5	51
68	Effective Removal of Selenite and Selenate Ions from Aqueous Solution by Barite. Environmental Science & Technology, 2017, 51, 9194-9201.	10.0	50
69	Chemical processes for the extreme enrichment of tellurium into marine ferromanganese oxides. Geochimica Et Cosmochimica Acta, 2014, 131, 150-163.	3.9	48
70	Local structure of Y and Ho in calcite and its relevance to Y fractionation from Ho in partitioning between calcite and aqueous solution. Chemical Geology, 2008, 248, 104-113.	3.3	47
71	The difference of diffusion coefficients in water for arsenic compounds at various pH and its dominant factors implied by molecular simulations. Geochimica Et Cosmochimica Acta, 2013, 105, 360-371.	3.9	47
72	Seasonal changes in Fe species and soluble Fe concentration in the atmosphere in the Northwest Pacific region based on the analysis of aerosols collected in Tsukuba, Japan. Atmospheric Chemistry and Physics, 2013, 13, 7695-7710.	4.9	47

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73	Determination of the Eu(II)/Eu(III) ratios in minerals by X-ray absorption near-edge structure (XANES) and its application to hydrothermal deposits. Mineralogical Magazine, 2005, 69, 179-190.	1.4	46
74	Î¼-XANES Evidence for the Reduction of Sb(V) to Sb(III) in Soil from Sb Mine Tailing. Environmental Science & Technology, 2010, 44, 1281-1287.	10.0	46
75	Origin of life from apatite dating?. Nature, 1999, 400, 127-127.	27.8	45
76	Determination of the As(III)/As(V) Ratio in Soil by X-ray Absorption Near-edge Structure (XANES) and Its Application to the Arsenic Distribution between Soil and Water. Analytical Sciences, 2003, 19, 891-896.	1.6	45
77	Bacteriogenic Fe(III) (Oxyhydr)oxides Characterized by Synchrotron Microprobe Coupled with Spatially Resolved Phylogenetic Analysis. Environmental Science & Technology, 2012, 46, 3304-3311.	10.0	45
78	Comparison of antimony and arsenic behavior in an Ichinokawa River waterâ€“sediment system. Chemical Geology, 2012, 334, 1-8.	3.3	43
79	Determination of Host Phase of Lanthanum in Deep-sea REY-rich Mud by XAFS and Âμ-XRF Using High-energy Synchrotron Radiation. Chemistry Letters, 2014, 43, 199-200.	1.3	43
80	Discovery of non-spherical heterogeneous radiocesium-bearing particles not derived from Unit 1 of the Fukushima Dai-ichi Nuclear Power Plant, in residences five years after the accident. Journal of Environmental Radioactivity, 2017, 177, 65-70.	1.7	43
81	X-ray Spectrometry. Analytical Chemistry, 2012, 84, 636-668.	6.5	42
82	Speciation of Europium(III) Sorbed on a Montmorillonite Surface in the Presence of Polycarboxylic Acid by Laser-Induced Fluorescence Spectroscopy. Environmental Science & Technology, 1999, 33, 4016-4021.	10.0	41
83	Factors controlling radiocesium distribution in river sediments: Field and laboratory studies after the Fukushima Dai-ichi Nuclear Power Plant accident. Applied Geochemistry, 2014, 48, 93-103.	3.0	41
84	Systematic change in relative stabilities of REE-humic complexes at various metal loading levels. Geochemical Journal, 2010, 44, 39-63.	1.0	40
85	A geochemical study on mud volcanoes in the Junggar Basin, China. Applied Geochemistry, 2011, 26, 1065-1076.	3.0	40
86	Adsorption of europium(III) and americium(III) on kaolinite and montmorillonite in the presence of humic acid. Journal of Radioanalytical and Nuclear Chemistry, 1998, 234, 277-282.	1.5	39
87	Molecular-level understanding of metal ion retention in clay-rich materials. Nature Reviews Earth & Environment, 2022, 3, 461-476.	29.7	39
88	Speciation of Sulfate in Size-Fractionated Aerosol Particles Using Sulfur K-Edge X-ray Absorption Near-Edge Structure. Environmental Science & Technology, 2006, 40, 5052-5057.	10.0	38
89	An atomic level study of rhenium and radiogenic osmium in molybdenite. Geochimica Et Cosmochimica Acta, 2007, 71, 5180-5190.	3.9	38
90	Observation of transformation of calcite to gypsum in mineral aerosols by Ca K-edge X-ray absorption near-edge structure (XANES). Atmospheric Environment, 2008, 42, 6535-6541.	4.1	38

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91	Arsenic in Groundwaters of South-East Asia: With Emphasis on Cambodia and Vietnam. Applied Geochemistry, 2008, 23, 2968-2976.	3.0	38
92	Influence of microbial photosynthesis on tufa stromatolite formation and ambient water chemistry, SW Japan. Geochimica Et Cosmochimica Acta, 2010, 74, 5289-5304.	3.9	37
93	Modeling of rare earth element sorption to the Gram positive Bacillus subtilis bacteria surface. Journal of Colloid and Interface Science, 2014, 413, 106-111.	9.4	37
94	Cerium stable isotope ratios in ferromanganese deposits and their potential as a paleo-redox proxy. Geochimica Et Cosmochimica Acta, 2016, 181, 89-100.	3.9	37
95	Very low isotope ratio of iron in fine aerosols related to its contribution to the surface ocean. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,119.	3.3	35
96	Recovery and Separation of Rare Earth Elements Using Salmon Milt. PLoS ONE, 2014, 9, e114858.	2.5	35
97	Determination of rare earth element in carbonate using laser-ablation inductively-coupled plasma mass spectrometry: An examination of the influence of the matrix on laser-ablation inductively-coupled plasma mass spectrometry analysis. Analytica Chimica Acta, 2007, 583, 303-309.	5.4	34
98	Superiority of K-edge XANES over LIII-edge XANES in the Speciation of Iodine in Natural Soils. Analytical Sciences, 2008, 24, 405-410.	1.6	34
99	Comparison of Solid-Water Partitions of Radiocesium in River Waters in Fukushima and Chernobyl Areas. Scientific Reports, 2017, 7, 12407.	3.3	34
100	Effect of the formation of EDTA complexes on the diffusion of metal ions in water. Geochimica Et Cosmochimica Acta, 2007, 71, 4416-4424.	3.9	33
101	Determination of natural isotopic variation in antimony using inductively coupled plasma mass spectrometry for an uncertainty estimation of the standard atomic weight of antimony. Geochemical Journal, 2011, 45, 27-32.	1.0	33
102	Prokaryotic Abundance and Community Composition in a Freshwater Iron-Rich Microbial Mat at Circumneutral pH. Geomicrobiology Journal, 2012, 29, 896-905.	2.0	33
103	Age and speciation of iodine in groundwater and mudstones of the Horonobe area, Hokkaido, Japan: Implications for the origin and migration of iodine during basin evolution. Geochimica Et Cosmochimica Acta, 2016, 191, 165-186.	3.9	33
104	Extreme enrichment of rare earth elements in hard clay rocks and its potential as a resource. Ore Geology Reviews, 2016, 72, 191-212.	2.7	33
105	In Search of a Binding Agent: Nano-Scale Evidence of Preferential Carbon Associations with Poorly-Crystalline Mineral Phases in Physically-Stable, Clay-Sized Aggregates. Soil Systems, 2018, 2, 32.	2.6	33
106	Variations in the redox state of As and Fe measured by X-ray absorption spectroscopy in aquifers of Bangladesh and their effect on As adsorption. Applied Geochemistry, 2010, 25, 34-47.	3.0	31
107	Investigation of Spatial Distribution of Radiocesium in a Paddy Field as a Potential Sink. PLoS ONE, 2013, 8, e80794.	2.5	31
108	Systematics of Stability Constants of Fulvate Complexes with Rare Earth Ions. Chemistry Letters, 2005, 34, 880-881.	1.3	30

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109	Detection of S(IV) Species in Aerosol Particles Using XANES Spectroscopy. Environmental Science & Technology, 2009, 43, 7357-7363.	10.0	30
110	Chemical speciation of redox sensitive elements during hydrocarbon leaching in the Junggar Basin, Northwest China. Journal of Asian Earth Sciences, 2010, 39, 713-723.	2.3	30
111	Temporal and vertical distributions of anthropogenic ²³⁶<scp>U</scp> in the <scp>J</scp>apan <scp>S</scp>ea using a coral core and seawater samples. Journal of Geophysical Research: Oceans, 2016, 121, 4-13.	2.6	30
112	Cesium desorption behavior of weathered biotite in Fukushima considering the actual radioactive contamination level of soils. Journal of Environmental Radioactivity, 2018, 190-191, 81-88.	1.7	30
113	A new technique for removing strontium from seawater by coprecipitation with barite. Journal of Hazardous Materials, 2018, 359, 307-315.	12.4	30
114	Neutralization of Calcite in Mineral Aerosols by Acidic Sulfur Species Collected in China and Japan Studied by Ca K-edge X-ray Absorption Near-Edge Structure. Environmental Science & Technology, 2009, 43, 6535-6540.	10.0	29
115	Identification of sources of lead in the atmosphere by chemical speciation using X-ray absorption near-edge structure (XANES) spectroscopy. Journal of Environmental Sciences, 2014, 26, 343-352.	6.1	29
116	Fullerene mixing effect on carrier formation in bulk-hetero organic solar cell. Scientific Reports, 2015, 5, 9483.	3.3	29
117	Selective immobilization of iodide onto a novel bismuth-impregnated layered mixed metal oxide: Batch and EXAFS studies. Journal of Hazardous Materials, 2020, 384, 121223.	12.4	29
118	Identification and characterization of nanosized tripuhyite in soil near Sb mine tailings. American Mineralogist, 2011, 96, 1171-1181.	1.9	28
119	Difference in the stable isotopic fractionations of Ce, Nd, and Sm during adsorption on iron and manganese oxides and its interpretation based on their local structures. Geochimica Et Cosmochimica Acta, 2013, 121, 105-119.	3.9	28
120	Tracing and quantifying contributions of end members to karst water at a coalfield in southwest China. Chemosphere, 2019, 234, 777-788.	8.2	28
121	Abundances of rare earth elements in crude oils and their partitions in water. Geochemical Journal, 2010, 44, 411-418.	1.0	27
122	Seasonal Changes In Mineralogy, Geochemistry and Microbial Community of Bacteriogenic Iron Oxides (BIOS) Deposited in a Circumneutral Wetland. Geomicrobiology Journal, 2012, 29, 161-172.	2.0	27
123	Interaction of Eu(III) ion and non-porous silica: Irreversible sorption of Eu(III) on silica and hydrolysis of silica promoted by Eu(III). Journal of Alloys and Compounds, 2006, 408-412, 1246-1251.	5.5	26
124	Comparative Analysis of Microbial Communities in Iron-Dominated Flocculent Mats in Deep-Sea Hydrothermal Environments. Applied and Environmental Microbiology, 2016, 82, 5741-5755.	3.1	26
125	Cyanobacterial exopolymer properties differentiate microbial carbonate fabrics. Scientific Reports, 2017, 7, 11805.	3.3	26
126	Direct determination of oxidation state of gold deposits in metal-reducing bacterium Shewanella algae using X-ray absorption near-edge structure spectroscopy (XANES). Journal of Bioscience and Bioengineering, 2007, 103, 568-571.	2.2	25

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127	Chlorite^|^mdash;source of arsenic groundwater pollution in the Holocene aquifer of Bangladesh. Geochemical Journal, 2012, 46, 381-391.	1.0	25
128	Relationship between particle size and radiocesium in fluvial suspended sediment related to the Fukushima Daiichi Nuclear Power Plant accident. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 607-613.	1.5	25
129	Enrichment mechanisms of antimony and arsenic in marine ferromanganese oxides: Insights from the structural similarity. Geochimica Et Cosmochimica Acta, 2019, 257, 110-130.	3.9	25
130	A novel organic-rich meteoritic clast from the outer solar system. Scientific Reports, 2019, 9, 3169.	3.3	25
131	Isotopic ratios of uranium and caesium in spherical radioactive caesium-bearing microparticles derived from the Fukushima Dai-ichi Nuclear Power Plant. Scientific Reports, 2020, 10, 3281.	3.3	25
132	U-Pb zircon dating using Nd-YAG (213 nm) Laser ablation-ICP-MS, and evaluating the consistency with SHRIMP dating. Journal of the Geological Society of Japan, 2012, 118, 762-767.	0.6	25
133	Application of X-ray absorption near-edge structure (XANES) using bent crystal analyzer to speciation of trace Os in iron meteorites. Analytica Chimica Acta, 2006, 558, 332-336.	5.4	24
134	Preconcentration Method of Antimony Using Modified Thiol Cotton Fiber for Isotopic Analyses of Antimony in Natural Samples. Analytical Sciences, 2011, 27, 25-28.	1.6	24
135	Variation of Iron Isotope Ratios in Anthropogenic Materials Emitted through Combustion Processes. Chemistry Letters, 2016, 45, 970-972.	1.3	24
136	Stable Isotope Ratios of Combustion Iron Produced by Evaporation in a Steel Plant. ACS Earth and Space Chemistry, 2019, 3, 588-598.	2.7	24
137	Clay minerals as a source of cadmium to estuaries. Scientific Reports, 2020, 10, 10417.	3.3	24
138	Thioester synthesis through geoelectrochemical CO2 fixation on Ni sulfides. Communications Chemistry, 2021, 4, .	4.5	24
139	Environmental risk assessment of the potential â€œChemical Time Bombâ€•of ion-adsorption type rare earth elements in urban areas. Science of the Total Environment, 2022, 822, 153305.	8.0	24
140	Direct Detection of Fe(II) in Extracellular Polymeric Substances (EPS) at the Mineral-Microbe Interface in Bacterial Pyrite Leaching. Microbes and Environments, 2016, 31, 63-69.	1.6	23
141	Comparison of Chemical Speciation of Lead, Arsenic, and Cadmium in Contaminated Soils from a Historical Mining Site: Implications for Different Mobilities of Heavy Metals. ACS Earth and Space Chemistry, 2020, 4, 1064-1077.	2.7	23
142	Characterization of Fe(III) (hydr)oxides in arsenic contaminated soil under various redox conditions by XAFS and MÃ¶ssbauer spectroscopies. Applied Geochemistry, 2008, 23, 3236-3243.	3.0	22
143	Soil column experiments for iodate and iodide using K-edge XANES and HPLCâ€“ICP-MS. Journal of Geochemical Exploration, 2010, 107, 117-123.	3.2	22
144	Simultaneous photooxidation and sorptive removal of As(III) by TiO2 supported layered double hydroxide. Journal of Environmental Management, 2015, 161, 228-236.	7.8	22

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145	Significant contribution of subseafloor microparticles to the global manganese budget. Nature Communications, 2019, 10, 400.	12.8	22
146	Chemical speciation of scandium and yttrium in laterites: New insights into the control of their partitioning behaviors. Chemical Geology, 2020, 552, 119771.	3.3	22
147	Effect of complexation with humic substances on diffusion of metal ions in water. Chemosphere, 2008, 73, 1272-1278.	8.2	21
148	Aqueous speciation is likely to control the stable isotopic fractionation of cerium at varying pH. Geochimica Et Cosmochimica Acta, 2017, 218, 273-290.	3.9	21
149	Microscopic analyses of weathered granite in ion-adsorption rare earth deposit of Jianxi Province, China. Scientific Reports, 2020, 10, 20194.	3.3	21
150	Contribution of combustion Fe in marine aerosols over the northwestern Pacific estimated by Fe stable isotope ratios. Atmospheric Chemistry and Physics, 2021, 21, 16027-16050.	4.9	21
151	Abundance of Lightâ€Absorbing Anthropogenic Iron Oxide Aerosols in the Urban Atmosphere and Their Emission Sources. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8115-8134.	3.3	20
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