

Atsuyuki Ohta

List of Publications by Year in descending order

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1468
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#	ARTICLE	IF	CITATIONS
1	Watershed analysis for geochemical mapping in Japan based on a hydrologic model: The concentrations of 53 elements and the dominant lithology in a drainage basin. <i>Geochemical Journal</i> , 2021, 55, 59-88.	1.0	1
2	$^{10}\text{Be}/^{9}\text{Be}$ ratios of phenakite and beryl measured via direct Cs sputtering: Implications for selecting suitable Be carrier minerals for the measurement of low-level ^{10}Be . <i>Geochemical Journal</i> , 2021, 55, 209-222.	1.0	2
3	Application of spatial distribution patterns of multi-elements in geochemical maps for provenance and transfer process of marine sediments in Kyushu, western Japan. <i>Geological Society Special Publication</i> , 2020, , SP505-2019-87.	1.3	1
4	Optimizing the Pratt-type titrimetric method to determine FeO in geochemical reference materials. <i>Geochemical Journal</i> , 2020, 54, 337-350.	1.0	1
5	Preliminary Evaluation of Local Structure and Speciation of Lanthanoids in Aqueous Solution, Iron Hydroxide, Manganese Dioxide, and Calcite Using the L3-Edge X-ray Absorption Near Edge Structure Spectra. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8152-8161.	2.5	1
6	Geochemical mapping of remote islands around Kyushu, Japan. <i>Bulletin of the Geological Survey of Japan</i> , 2018, 69, 233-263.	0.7	2
7	Evaluation of straightforward and rapid multi-element analyses of stream sediments for geochemical mapping in the remote islands of Japan " Seto Inland Sea region ". <i>Bulletin of the Geological Survey of Japan</i> , 2018, 69, 1-30.	0.7	2
8	Critical evaluation of zinc speciation in geochemical reference materials by combining sequential extraction and XANES spectroscopy. <i>Geochemical Journal</i> , 2018, 52, 385-400.	1.0	0
9	Comparing the $^{87}\text{Sr}/^{86}\text{Sr}$ of the bulk and exchangeable fractions in stream sediments: Implications for $^{87}\text{Sr}/^{86}\text{Sr}$ mapping in provenance studies. <i>Applied Geochemistry</i> , 2017, 86, 70-83.	3.0	4
10	Statistical Analysis of the Spatial Distribution of Multi-Elements in an Island Arc Region: Complicating Factors and Transfer by Water Currents. <i>Water (Switzerland)</i> , 2017, 9, 37.	2.7	5
11	Grain-size variations in $^{87}\text{Sr}/^{86}\text{Sr}$ and elemental concentrations of stream sediments in a granitic area: Fundamental study on $^{87}\text{Sr}/^{86}\text{Sr}$ spatial distribution mapping. <i>Geochemical Journal</i> , 2017, 51, 469-484.	1.0	5
12	Influence of different sedimentary environments on multi-elemental marine geochemical maps of the Pacific Ocean and Sea of Japan, Tohoku region. <i>Bulletin of the Geological Survey of Japan</i> , 2017, 68, 87-110.	0.7	5
13	Copper Speciation in a Collection of Geochemical Reference Materials Using Sequential Extraction and Evaluation of the Validity Using XANES Spectroscopy. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 117-134.	3.1	6
14	Speciation Study of Cr in a Geochemical Reference Material Sediment Series Using Sequential Extraction and XANES Spectroscopy. <i>Geostandards and Geoanalytical Research</i> , 2015, 39, 87-103.	3.1	9
15	The spatial distribution of multiple elements in the Kanto region of Japan: Transport of chalcophile elements from land to sea. <i>Journal of Geochemical Exploration</i> , 2015, 154, 156-170.	3.2	6
16	Elemental distribution of surface sediments around Oki Trough including adjacent terrestrial area: Strong impact of Japan Sea Proper Water on silty and clayey sediments. <i>Bulletin of the Geological Survey of Japan</i> , 2015, 66, 81-101.	0.7	6
17	Variation of mineralogical compositions in sequential extraction procedure adapted to geochemical reference materials (sediment series).. <i>Bulletin of the Geological Survey of Japan</i> , 2014, 65, 23-36.	0.7	4
18	Quantitative analysis of heavy elements and semi-quantitative evaluation of heavy mineral compositions of sediments in Japan for construction of a forensic soil database using synchrotron radiation X-ray analyses. <i>X-Ray Spectrometry</i> , 2014, 43, 38-48.	1.4	17

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19	Speciation of 38 elements in eight GSJ geochemical sedimentary reference materials determined using a sequential extraction technique. <i>Geochemical Journal</i> , 2014, 48, 165-188.	1.0	14
20	Regional spatial distribution of multiple elements in the surface sediments of the eastern Tsushima Strait (southwestern Sea of Japan). <i>Applied Geochemistry</i> , 2013, 37, 43-56.	3.0	10
21	Spatial distribution of $\delta^{87}\text{Sr}/\delta^{86}\text{Sr}$ ratios of stream sediments in Shikoku Island and the Kii Peninsula, Southwest Japan. <i>Geochemical Journal</i> , 2013, 47, 321-335.	1.0	8
22	Less impact of limestone bedrock on elemental concentrations in stream sediments. <i>Bulletin of the Geological Survey of Japan</i> , 2013, 64, 121-138.	0.7	1
23	Speciation study of Cr(VI/III) reacting with humic substances and determination of local structure of Cr binding humic substances using XAFS spectroscopy. <i>Geochemical Journal</i> , 2012, 46, 409-420.	1.0	28
24	Comprehensive Survey of Multi-Elements in Coastal Sea and Stream Sediments in the Island Arc Region of Japan: Mass Transfer from Terrestrial to Marine Environments. , 2011, , .		3
25	IR and XANES spectroscopic studies of humic acids reacting with Cr(III) and Cr(VI). <i>Bulletin of the Geological Survey of Japan</i> , 2011, 62, 347-355.	0.7	8
26	Regional geochemical mapping in eastern Japan including the nation's capital, Tokyo. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2011, 11, 211-223.	0.9	8
27	Factors controlling regional spatial distribution of 53 elements in coastal sea sediments in northern Japan: Comparison of geochemical data derived from stream and marine sediments. <i>Applied Geochemistry</i> , 2010, 25, 357-376.	3.0	32
28	Variation of elemental concentrations of river and marine sediments according to the grain size classification. <i>Bulletin of the Geological Survey of Japan</i> , 2009, 59, 439-459.	0.7	6
29	Coordination study of rare earth elements on Fe oxyhydroxide and Mn dioxides: Part I. Influence of a multi-electron excitation on EXAFS analyses of La, Pr, Nd, and Sm. <i>American Mineralogist</i> , 2009, 94, 467-475.	1.9	22
30	Crystal growth and structural characterizations of Ce-doped $\text{Gd}_{0.33}(\text{SiO}_4)_6\text{O}_2$ single crystals. <i>Journal of Crystal Growth</i> , 2009, 311, 526-529.	1.5	8
31	Coordination study of rare earth elements on Fe oxyhydroxide and Mn dioxides: Part II. Correspondence of structural change to irregular variations of partitioning coefficients and tetrad effect variations appearing in interatomic distances. <i>American Mineralogist</i> , 2009, 94, 476-486.	1.9	31
32	Influence of multi-electron excitation on EXAFS spectroscopy of trivalent rare-earth ions and elucidation of change in hydration number through the series. <i>American Mineralogist</i> , 2008, 93, 1384-1392.	1.9	36
33	Divalent chromium in ferropericase inclusions in lower-mantle diamonds revealed by micro-XANES measurements. <i>Journal of Mineralogical and Petrological Sciences</i> , 2008, 103, 350-353.	0.9	8
34	Elemental distribution of coastal sea and stream sediments in the island-arc region of Japan and mass transfer processes from terrestrial to marine environments. <i>Applied Geochemistry</i> , 2007, 22, 2872-2891.	3.0	28
35	Preliminary study for speciation geochemical mapping using a sequential extraction method using a sequential extraction method. <i>Bulletin of the Geological Survey of Japan</i> , 2007, 58, 201-237.	0.7	5
36	Chemical composition and background evaluation of soils and stream sediments from Kanto district, and marine sediments from Tokyo Bay.. <i>Bulletin of the Geological Survey of Japan</i> , 2007, 58, 61-91.	0.7	6

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37	Speciation of Sulfate in Size-Fractionated Aerosol Particles Using Sulfur K-Edge X-ray Absorption Near-Edge Structure. <i>Environmental Science & Technology</i> , 2006, 40, 5052-5057.	10.0	38
38	Chemical compositions and XANES speciations of Fe, Mn and Zn from aerosols collected in China and Japan during dust events. <i>Geochemical Journal</i> , 2006, 40, 363-376.	1.0	35
39	Speciation of Chromium in Artificially Contaminated Soil Reference Material GSJ JSO-2 Using XANES and Chemical Extraction Methods. <i>Geostandards and Geoanalytical Research</i> , 2006, 30, 55-62.	1.9	9
40	Physicochemical Characterization and Origin of the 20 March 2002 Heavy Dust Storm in Beijing. <i>Aerosol and Air Quality Research</i> , 2006, 6, 268-280.	2.1	9
41	Selenium abundance in recent sediments and their relation to sedimentary environments.. <i>Bulletin of the Geological Survey of Japan</i> , 2006, 57, 105-119.	0.7	0
42	Oxidation States of Ytterbium Incorporated in Calcium Carbonate and Calcium Fluoride. <i>Chemistry Letters</i> , 2005, 34, 852-853.	1.3	4
43	Chemical characteristics of water-insoluble components in aeolian dust collected in China in spring 2002. <i>Bulletin of the Geological Survey of Japan</i> , 2005, 56, 259-272.	0.7	3
44	Geochemistry of selenium in marine sediments from the eastern part of the Japan Sea.. <i>Bulletin of the Geological Survey of Japan</i> , 2005, 56, 325-340.	0.7	2
45	Influence of surface geology and mineral deposits on the spatial distributions of elemental concentrations in the stream sediments of Hokkaido, Japan. <i>Journal of Geochemical Exploration</i> , 2005, 86, 86-103.	3.2	45
46	Application of multi-element statistical analysis for regional geochemical mapping in Central Japan. <i>Applied Geochemistry</i> , 2005, 20, 1017-1037.	3.0	52
47	Characterization of Aeolian Dust in East China and Japan from 2001 to 2003. <i>Journal of the Meteorological Society of Japan</i> , 2005, 83A, 73-106.	1.8	20
48	Observation of mass concentration and particle size of atmospheric aerosol in east Asia and dry deposition in Tsukuba in combination with optical particle counter observation. <i>Bulletin of the Geological Survey of Japan</i> , 2005, 56, 273-301.	0.7	7
49	Geochemistry of selenium in soils from the Kanto district, Japan.. <i>Bulletin of the Geological Survey of Japan</i> , 2005, 56, 9-23.	0.7	1
50	Seasonal change of chemical composition of water-insoluble components in aerosol particles collected in Tsukuba from February 2001 to June 2002.. <i>Bulletin of the Geological Survey of Japan</i> , 2005, 56, 99-116.	0.7	2
51	Seasonal characterization of dust days, mass concentration and dry deposition of atmospheric aerosols over qingdao, china. <i>Particuology: Science and Technology of Particles</i> , 2004, 2, 196-199.	0.4	31
52	Geochemical mapping in Hokuriku, Japan: influence of surface geology, mineral occurrences and mass movement from terrestrial to marine environments. <i>Applied Geochemistry</i> , 2004, 19, 1453-1469.	3.0	41
53	Experimental REE partitioning between calcite and aqueous solution at 25.DEG.C. and 1atm: Constraints on the incorporation of seawater REE into seamount-type limestones. <i>Geochemical Journal</i> , 2004, 38, 19-32.	1.0	45
54	Geochemistry of soils from the southern Kanto district, Japan: Preliminary study for the soil geochemical mapping (part 5: Generalization).. <i>Bulletin of the Geological Survey of Japan</i> , 2004, 55, 1-18.	0.7	2

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55	Geochemistry of biogenic silica, carbonate materials and sea salts in the coastal marine sediments around the Japanese islands.. Bulletin of the Geological Survey of Japan, 2004, 55, 153-169.	0.7	1
56	Grain-size distribution and chemical composition of water-insoluble components in aeolian dust collected in Japan in spring 2002. Bulletin of the Geological Survey of Japan, 2003, 54, 303-322.	0.7	12
57	Variation of concentrations and physicochemical properties of aeolian dust obtained in east China and Japan from 2001 to 2002. Bulletin of the Geological Survey of Japan, 2003, 54, 251-267.	0.7	19
58	Geochemistry of toxic trace elements (As, Sb, Pb, Cr, Mo, Bi, Cd, Tl) in the soils from the Kanto District, Japan: Preliminary study for the soil geochemical mapping (part 3).. Bulletin of the Geological Survey of Japan, 2002, 53, 749-774.	0.7	2
59	REE(III) adsorption onto Mn dioxide ($\hat{\Gamma}$ -MnO ₂) and Fe oxyhydroxide: Ce(III) oxidation by $\hat{\Gamma}$ -MnO ₂ . Geochimica Et Cosmochimica Acta, 2001, 65, 695-703.	3.9	364
60	Chemical composition of the alluvial soils from the Kanto District, Japan: Preliminary study for the soil geochemical mapping (part 2).. Bulletin of the Geological Survey of Japan, 2001, 52, 347-369.	0.7	9
61	Rare earth element partitioning between Fe oxyhydroxide precipitates and aqueous NaCl solutions doped with NaHCO ₃ : Determinations of rare earth element complexation constants with carbonate ions.. Geochemical Journal, 2000, 34, 439-454.	1.0	74
62	Theoretical study of tetrad effects observed in REE distribution coefficients between marine Fe-Mn deposit and deep seawater, and in REE(III)-carbonate complexation constants.. Geochemical Journal, 2000, 34, 455-473.	1.0	44
63	REE partitioning between Fe-Mn oxyhydroxide precipitates and weakly acid NaCl solutions: Convex tetrad effect and fractionation of Y and Sc from heavy lanthanides.. Geochemical Journal, 1999, 33, 167-179.	1.0	80
64	Distribution coefficients of REE between Fe oxyhydroxide precipitates and NaCl solutions affected by REE-carbonate complexation.. Geochemical Journal, 1999, 33, 181-197.	1.0	49
65	Systematic correlation of the Ce anomaly with the Co/(Ni+Cu) ratio and Y fractionation from Ho in distinct types of Pacific deep-sea nodules.. Geochemical Journal, 1999, 33, 399-417.	1.0	63
66	Monoisotopic REE abundances in seawater and the origin of seawater tetrad effect.. Geochemical Journal, 1998, 32, 213-229.	1.0	83
67	Geochemical map of the Ryoke granitic area in the northeastern part of Toyota City, Aichi Prefecture.. Journal of the Geological Society of Japan, 1998, 104, 688-704.	0.6	8