Atsuyuki Ohta

List of Publications by Year in descending order

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		361413	330143
67	1,493	20	37
papers	citations	h-index	g-index

68	68	68	1468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	REE(III) adsorption onto Mn dioxide (Î´-MnO2) and Fe oxyhydroxide: Ce(III) oxidation by Î´-MnO2. Geochimica Et Cosmochimica Acta, 2001, 65, 695-703.	3.9	364
2	Monoisotopic REE abundances in seawater and the origin of seawater tetrad effect.. Geochemical Journal, 1998, 32, 213-229.	1.0	83
3	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
4	Rare earth element partitioning between Fe oxyhydroxide precipitates and aqueous NaCl solutions doped with NaHCO3: Determinations of rare earth element complexation constants with carbonate ions.. Geochemical Journal, 2000, 34, 439-454.	1.0	74
5	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
6	Application of multi-element statistical analysis for regional geochemical mapping in Central Japan. Applied Geochemistry, 2005, 20, 1017-1037.	3.0	52
7	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
8	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. Geochemical Journal, 2004, 38, 19-32.	1.0	45
9	Influence of surface geology and mineral deposits on the spatial distributions of elemental concentrations in the stream sediments of Hokkaido, Japan. Journal of Geochemical Exploration, 2005, 86, 86-103.	3.2	45
10	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
11	Geochemical mapping in Hokuriku, Japan: influence of surface geology, mineral occurrences and mass movement from terrestrial to marine environments. Applied Geochemistry, 2004, 19, 1453-1469.	3.0	41
12	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
13	Influence of multi-electron excitation on EXAFS spectroscopy of trivalent rare-earth ions and elucidation of change in hydration number through the series. American Mineralogist, 2008, 93, 1384-1392.	1.9	36
14	Chemical compositions and XANES speciations of Fe, Mn and Zn from aerosols collected in China and Japan during dust events. Geochemical Journal, 2006, 40, 363-376.	1.0	35
15	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. Applied Geochemistry, 2010, 25, 357-376.	3.0	32
16	Seasonal characterization of dust days, mass concentration and dry deposition of atmospheric aerosols over qingdao, china. Particuology: Science and Technology of Particles, 2004, 2, 196-199.	0.4	31
17	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. American Mineralogist, 2009, 94, 476-486.	1.9	31
18	Elemental distribution of coastal sea and stream sediments in the island-arc region of Japan and mass transfer processes from terrestrial to marine environments. Applied Geochemistry, 2007, 22, 2872-2891.	3.0	28

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19	Speciation study of Cr(VI/III) reacting with humic substances and determination of local structure of Cr binding humic substances using XAFS spectroscopy. Geochemical Journal, 2012, 46, 409-420.	1.0	28
20	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. American Mineralogist, 2009, 94, 467-475.	1.9	22
21	Characterization of Aeolian Dust in East China and Japan from 2001 to 2003. Journal of the Meteorological Society of Japan, 2005, 83A, 73-106.	1.8	20
22	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
23	Quantitative analysis of heavy elements and semiâ€quantitative evaluation of heavy mineral compositions of sediments in Japan for construction of a forensic soil database using synchrotron radiation Xâ€ray analyses. X-Ray Spectrometry, 2014, 43, 38-48.	1.4	17
24	Speciation of 38 elements in eight GSJ geochemical sedimentary reference materials determined using a sequential extraction technique. Geochemical Journal, 2014, 48, 165-188.	1.0	14
25	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
26	Regional spatial distribution of multiple elements in the surface sediments of the eastern Tsushima Strait (southwestern Sea of Japan). Applied Geochemistry, 2013, 37, 43-56.	3.0	10
27	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
28	Speciation of Chromium in Artificially Contaminated Soil Reference Material GSJ JSO-2 Using XANES and Chemical Extraction Methods. Geostandards and Geoanalytical Research, 2006, 30, 55-62.	1.9	9
29	Speciation Study of Cr in a Geochemical Reference Material Sediment Series Using Sequential Extraction and <scp>XANES</scp> Spectroscopy. Geostandards and Geoanalytical Research, 2015, 39, 87-103.	3.1	9
30	Physicochemical Characterization and Origin of the 20 March 2002 Heavy Dust Storm in Beijing. Aerosol and Air Quality Research, 2006, 6, 268-280.	2.1	9
31	Divalent chromium in ferropericlase inclusions in lower-mantle diamonds revealed by micro-XANES measurements. Journal of Mineralogical and Petrological Sciences, 2008, 103, 350-353.	0.9	8
32	Crystal growth and structural characterizations of Ce-doped Gd9.33(SiO4)6O2 single crystals. Journal of Crystal Growth, 2009, 311, 526-529.	1.5	8
33	IR and XANES spectroscopic studies of humic acids reacting with Cr(III) and Cr(VI). Bulletin of the Geological Survey of Japan, 2011, 62, 347-355.	0.7	8
34	Regional geochemical mapping in eastern Japan including the nation's capital, Tokyo. Geochemistry: Exploration, Environment, Analysis, 2011, 11, 211-223.	0.9	8
35	Spatial distribution of ⁸⁷Sr/⁸⁶Sr ratios of stream sediments in Shikoku Island and the Kii Peninsula, Southwest Japan. Geochemical Journal, 2013, 47, 321-335.	1.0	8
36	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

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37	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. Bulletin of the Geological Survey of Japan, 2005, 56, 273-301.	0.7	7
38	Variation of elemental concentrations of river and marine sediments according to the grain size classification. Bulletin of the Geological Survey of Japan, 2009, 59, 439-459.	0.7	6
39	The spatial distribution of multiple elements in the Kanto region of Japan: Transport of chalcophile elements from land to sea. Journal of Geochemical Exploration, 2015, 154, 156-170.	3.2	6
40	Copper Speciation in a Collection of Geochemical Reference Materials Using Sequential Extraction and Evaluation of the Validity Using <scp>XANES</scp> Spectroscopy. Geostandards and Geoanalytical Research, 2016, 40, 117-134.	3.1	6
41	Chemical composition and background evaluation of soils and stream sediments from Kanto district, and marine sediments from Tokyo Bay.. Bulletin of the Geological Survey of Japan, 2007, 58, 61-91.	0.7	6
42	Elemental distribution of surface sediments around Oki Trough including adjacent terrestrial area: Strong impact of Japan Sea Proper Water on silty and clayey sediments. Bulletin of the Geological Survey of Japan, 2015, 66, 81-101.	0.7	6
43	Statistical Analysis of the Spatial Distribution of Multi-Elements in an Island Arc Region: Complicating Factors and Transfer by Water Currents. Water (Switzerland), 2017, 9, 37.	2.7	5
44	Grain-size variations in ⁸⁷Sr/⁸⁶Sr and elemental concentrations of stream sediments in a granitic area: Fundamental study on ⁸⁷Sr/⁸⁶Sr spatial distribution mapping. Geochemical Journal, 2017, 51, 469-484.	1.0	5
45	Preliminary study for speciation geochemical mapping using a sequential extraction method using a sequential extraction method. Bulletin of the Geological Survey of Japan, 2007, 58, 201-237.	0.7	5
46	Influence of different sedimentary environments on multi-elemental marine geochemical maps of the Pacific Ocean and Sea of Japan, Tohoku region. Bulletin of the Geological Survey of Japan, 2017, 68, 87-110.	0.7	5
47	Oxidation States of Ytterbium Incorporated in Calcium Carbonate and Calcium Fluoride. Chemistry Letters, 2005, 34, 852-853.	1.3	4
48	Variation of mineralogical compositions in sequential extraction procedure adapted to geochemical reference materials (sediment series).. Bulletin of the Geological Survey of Japan, 2014, 65, 23-36.	0.7	4
49	Comparing the 87 Sr/ 86 Sr of the bulk and exchangeable fractions in stream sediments: Implications for 87 Sr/ 86 Sr mapping in provenance studies. Applied Geochemistry, 2017, 86, 70-83.	3.0	4
50	Chemical characteristics of water-insoluble components in aeolian dust collected in China in spring 2002. Bulletin of the Geological Survey of Japan, 2005, 56, 259-272.	0.7	3
51	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
52	Geochemistry of selenium in marine sediments from the eastern part of the Japan Sea.. Bulletin of the Geological Survey of Japan, 2005, 56, 325-340.	0.7	2
53	Geochemistry of soils from the southern Kanto district, Japan: Preliminary study for the soil geochemical mapping (part 5: Generalization).. Bulletin of the Geological Survey of Japan, 2004, 55, 1-18.	0.7	2
54	Geochemical mapping of remote islands around Kyushu, Japan. Bulletin of the Geological Survey of Japan, 2018, 69, 233-263.	0.7	2

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55	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
56	Seasonal change of chemical composition of water-insoluble components in aerosol particles collected in Tsukuba from February 2001 to June 2002.. Bulletin of the Geological Survey of Japan, 2005, 56, 99-116.	0.7	2
57	Evaluation of straightforward and rapid multi-element analyses of stream sediments for geochemical mapping in the remote islands of Japan â€" Seto Inland Sea region â€". Bulletin of the Geological Survey of Japan, 2018, 69, 1-30.	0.7	2
58	¹⁰Be/⁹Be ratios of phenakite and beryl measured via direct Cs sputtering: Implications for selecting suitable Be carrier minerals for the measurement of low-level ¹⁰Be. Geochemical Journal, 2021, 55, 209-222.	1.0	2
59	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. Journal of Physical Chemistry A, 2018, 122, 8152-8161.	2.5	1
60	Application of spatial distribution patterns of multi-elements in geochemical maps for provenance and transfer process of marine sediments in Kyushu, western Japan. Geological Society Special Publication, 2020, , SP505-2019-87.	1.3	1
61	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
62	Geochemistry of selenium in soils from the Kanto district, Japan.. Bulletin of the Geological Survey of Japan, 2005, 56, 9-23.	0.7	1
63	Less impact of limestone bedrock on elemental concentrations in stream sediments. Bulletin of the Geological Survey of Japan, 2013, 64, 121-138.	0.7	1
64	Optimizing the Pratt-type titrimetric method to determine FeO in geochemical reference materials. Geochemical Journal, 2020, 54, 337-350.	1.0	1
65	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. Geochemical Journal, 2021, 55, 59-88.	1.0	1
66	Selenium abundance in recent sediments and their relation to sedimentary environments.. Bulletin of the Geological Survey of Japan, 2006, 57, 105-119.	0.7	0
67	Critical evaluation of zinc speciation in geochemical reference materials by combining sequential extraction and XANES spectroscopy. Geochemical Journal, 2018, 52, 385-400.	1.0	0