Akio Makishima

List of Publications by Year
in descending order

28 papers	1,273 citations	394390 19 h-index	552766 26 g-index
30 all docs	30 docs citations	30 times ranked	1605 citing authors

#	Article	IF	Citations
1	Low-blank chemistry for Zn stable isotope ratio determination using extraction chromatographic resin and double spike-multiple collector-ICP-MS. Journal of Analytical Atomic Spectrometry, 2013, 28, 127-133.	3.0	18
2	Space environment of an asteroid preserved on micrograins returned by the Hayabusa spacecraft. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E624-9.	7.1	97
3	High-resolution MC-ICPMS employing amplifiers with a 1012 ohm resistor for bulk sulfur determination in biological and geological samples. Journal of Analytical Atomic Spectrometry, 2012, 27, 891.	3.0	19
4	The Cretaceous Okhotskâ€“Chukotka Volcanic Belt (NE Russia): Geology, geochronology, magma output rates, and implications on the genesis of silicic LIPs. Journal of Volcanology and Geothermal Research, 2012, 221-222, 14-32.	2.1	70
5	Simultaneous Determination of Cd, In, Tl and Bi by Isotope Dilutionâ€Internal Standardisation ICPâ€QMS with Corrections Using Externally Measured MoO⁺/Mo⁺ Ratios. Geostandards and Geoanalytical Research, 2011, 35, 57-67.	3.1	17
6	Melt-Peridotite Reactions and Fluid Metasomatism in the Upper Mantle, Revealed from the Geochemistry of Peridotite and Gabbro from the Horoman Peridotite Massif, Japan. Journal of Petrology, 2011, 52, 1237-1237.	2.8	0
7	CHROMIUM ISOTOPE SYSTEMATICS OF ACHONDRITES: CHRONOLOGY AND ISOTOPIC HETEROGENEITY OF THE INNER SOLAR SYSTEM BODIES. Astrophysical Journal, 2010, 720, 150-154.	4.5	94
8	Meltâ€“Peridotite Reactions and Fluid Metasomatism in the Upper Mantle, Revealed from the Geochemistry of Peridotite and Gabbro from the Horoman Peridotite Massif, Japan. Journal of Petrology, 2010, 51, 1417-1445.	2.8	21
9	Slab decarbonation and CO2 recycling in the Southwestern Colombian volcanic arc. Geochimica Et Cosmochimica Acta, 2010, 74, 1104-1121.	3.9	23
10	Precise determination of Cr, Mn, Fe, Co and Ni concentration by an isotope dilutionâ€“internal standardization method employing high resolution MCâ€“ICPâ€“MS. Chemical Geology, 2010, 274, 82-86.	3.3	13
11	Precise isotopic determination of Hf and Pb at sub-nano gram levels by MC-ICP-MS employing a newly designed sample cone and a pre-amplifier with a 1012 ohm register. Journal of Analytical Atomic Spectrometry, 2010, 25, 1712.	3.0	36
12	Chemical Separation and Mass Spectrometry of Cr, Fe, Ni, Zn, and Cu in Terrestrial and Extraterrestrial Materials Using Thermal Ionization Mass Spectrometry. Analytical Chemistry, 2009, 81, 9787-9794.	6.5	80
13	Accumulation of radium in ferruginous protein bodies formed in lung tissue: association of resulting radiation hotspots with malignant mesothelioma and other malignancies. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2009, 85, 229-239.	3.8	23
14	Highly unradiogenic lead isotope ratios from the Horoman peridotite in Japan. Nature Geoscience, 2008, 1, 859-863.	12.9	40
15	Hawaiian double volcanic chain triggered by an episodic involvement of recycled material: Constraints from temporal Srâ€“Ndâ€“Hfâ€“Pb isotopic trend of the Loa-type volcanoes. Earth and Planetary Science Letters, 2008, 265, 450-465.	4.4	61
16	Precise measurement of 228Ra/226Ra for 226Ra determination employing total integration and simultaneous 228Th correction by multicollector ICP-MS using multiple ion counters. Journal of Analytical Atomic Spectrometry, 2008, 23, 1102.	3.0	9
17	Ancient recycled crust beneath the Ontong Java Plateau: Isotopic evidence from the garnet clinopyroxenite xenoliths, Malaita, Solomon Islands. Earth and Planetary Science Letters, 2007, 259, 134-148.	4.4	51
18	Coprecipitation of Ti, Mo, Sn and Sb with fluorides and application to determination of B, Ti, Zr, Nb, Mo, Sn, Sb, Hf and Ta by ICP-MS. Chemical Geology, 2007, 236, 13-26.	3.3	89

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19	Accurate determination of 234U/238U and 230Th/232Th for Uâ€“Th disequilibria studies by MC-ICP-MS with simple bracketing. Journal of Analytical Atomic Spectrometry, 2007, 22, 1383.	3.0	14
20	Precise determination of Pb isotope ratios by simple double spike MC-ICP-MS technique without Tl addition. Journal of Analytical Atomic Spectrometry, 2007, 22, 407.	3.0	31
21	Purification of Hf in silicate materials using extraction chromatographic resin, and its application to precise determination of176Hf/177Hf by MC-ICP-MS with179Hf spike. Journal of Analytical Atomic Spectrometry, 2007, 22, 69-76.	3.0	55
22	Determination of Os and Re Isotope Ratios at Subpicogram Levels Using MC-ICPMS with Solution Nebulization and Multiple Ion Counting. Analytical Chemistry, 2006, 78, 3794-3799.	6.5	14
23	Mg and Ca isotope fractionation during CaCO3 biomineralisation. Biochemical and Biophysical Research Communications, 2004, 323, 79-85.	2.1	152
24	Purification of Mg from low-Mg biogenic carbonates for isotope ratio determination using multiple collector ICP-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 296-301.	3.0	124
25	Suppression of Zr, Nb, Hf and Ta coprecipitation in fluoride compounds for determination in Ca-rich materials. Journal of Analytical Atomic Spectrometry, 2003, 18, 1458.	3.0	56
26	Response to â€œComment by W. R. Kelly, R. D. Vocke, Jr., and J. L. Mann on â€˜Determination of Total Sulfur at Microgram-per-Gram Levels in Geological Materials by Oxidation of Sulfur into Sulfate with in Situ Generation of Bromine Using Isotope Dilution High Resolution ICPMS' by A. Makishima and E. Nakamuraâ€• Analytical Chemistry, 2002, 74, 6432-6432.	6.5	0
27	Separation of titanium from silicates for isotopic ratio determination using multiple collector ICP-MS. Journal of Analytical Atomic Spectrometry, 2002, 17, 1290-1294.	3.0	30
28	A Group Separation Method for Ruthenium, Palladium, Rhenium, Osmium, Iridium, and Platinum Using Their Bromo Complexes and an Anion Exchange Resin. Analytical Chemistry, 2001, 73, 5240-5246.	6.5	36