

# Hisayoshi Yurimoto

## List of Publications by Year in descending order

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Version: 2024-02-01

252  
papers

11,511  
citations

<sup>23879</sup>  
60  
h-index

<sup>42259</sup>  
96  
g-index

262  
all docs

262  
docs citations

262  
times ranked

6663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. <i>Science</i> , 2023, 379, .	6.0	97
2	Inter- and intra-crystal quartz $\delta^{18}\text{O}$ homogeneity at Okataina volcano, Aotearoa New Zealand: Implications for rhyolite genesis. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 421, 107430.	0.8	5
3	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. <i>Nature Astronomy</i> , 2022, 6, 214-220.	4.2	136
4	Chemical Composition of the Earth. <i>Journal of Geography (Chigaku Zasshi)</i> , 2022, 131, 163-177.	0.1	2
5	Formation and decomposition of vacancy-rich clinopyroxene in a shocked eucrite: New insights for multiple impact events. <i>Geochimica Et Cosmochimica Acta</i> , 2022, , .	1.6	0
6	Isotope Microscopic Observation of Osteogenesis Process Forming Robust Bonding of Double Network Hydrogel to Bone. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001731.	3.9	6
7	Visualization of DNA Replication in Single Chromosome by Stable Isotope Labeling. <i>Cell Structure and Function</i> , 2021, 46, 95-101.	0.5	0
8	MushPEC: Correcting Post-entrapment Processes Affecting Melt Inclusions Hosted in Olivine Antecrysts. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	4
9	Widespread Tissintite in Strongly Shocked Lithified Lunar Regolith Breccias. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091554.	1.5	6
10	Hydrogen isotopic exchange kinetics between organic matter and water: Implications for chemical evolution during meteorite parent body processing. <i>Meteoritics and Planetary Science</i> , 2021, 56, 440-454.	0.7	3
11	Hydrogen diffusion mechanism in the mantle deduced from H-D interdiffusion in wadsleyite. <i>Earth and Planetary Science Letters</i> , 2021, 561, 116815.	1.8	0
12	Experimental evidence for hydrogen incorporation into Earth's core. <i>Nature Communications</i> , 2021, 12, 2588.	5.8	63
13	Origin of minerals in Kermanite-rich patch texture and oxygen isotopic evolution of compact Type A Ca-Al-rich inclusions from the Northwest Africa 7865 CV chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 303, 51-65.	1.6	5
14	Oxygen and Al-Mg isotopic constraints on cooling rate and age of partial melting of an Allende Type B CAI, Golfball. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1224-1239.	0.7	6
15	Origin of hydrogen isotopic variations in chondritic water and organics. <i>Earth and Planetary Science Letters</i> , 2021, 567, 117008.	1.8	26
16	An experimental study on oxygen isotope exchange reaction between CAI melt and low-pressure water vapor under simulated Solar nebular conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 314, 108-120.	1.6	8
17	Shallow magmatic processes revealed by cryptic microantecrysts: a case study from the Taupo Volcanic Zone. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	8
18	Development of <i>in-situ</i> Depth Profiling for Extraterrestrial Materials with Isotope Nanoscope. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2021, 69, 197-201.	0.0	0

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19	Allocation of Carbon from an Arbuscular Mycorrhizal Fungus, <i>Gigaspora margarita</i> , to Its Gram-Negative and Positive Endobacteria Revealed by High-Resolution Secondary Ion Mass Spectrometry. <i>Microorganisms</i> , 2021, 9, 2597.	1.6	4
20	Effect of Hydrogen Gas Pressure on Calcium-Aluminum-rich Inclusion Formation in the Protosolar Disk: a Laboratory Simulation of Open-system Melt Crystallization. <i>Astrophysical Journal Letters</i> , 2021, 923, L12.	3.0	2
21	A systematic comparison of obsidian hydration measurements: The first application of micro-image with secondary ion mass spectrometry to the prehistoric obsidian. <i>Quaternary International</i> , 2020, 535, 3-12.	0.7	4
22	Survivability of presolar oxygen isotopic signature of amorphous silicate dust in the protosolar disk. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1281-1292.	0.7	8
23	Mineralogical and oxygen isotopic study of a new ultrarefractory inclusion in the Northwest Africa 3118 CV3 chondrite. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2184-2205.	0.7	23
24	A new occurrence of corundum in eucrite and its significance. <i>American Mineralogist</i> , 2020, 105, 1656-1661.	0.9	6
25	Melilite condensed from an 16O-poor gaseous reservoir: Evidence from a fine-grained Ca-Al-rich inclusion of Northwest Africa 8613. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 288, 161-175.	1.6	12
26	Osteocytic Osteolysis in PTH-treated Wild-type and <i>Rankl</i> <sup>−/−</sup> Mice Examined by Transmission Electron Microscopy, Atomic Force Microscopy, and Isotope Microscopy. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 651-668.	1.3	6
27	Evidence of metasomatism in the interior of Vesta. <i>Nature Communications</i> , 2020, 11, 1289.	5.8	15
28	The Cr-Zr-Ca armalcolite in lunar rocks is loveringite: Constraints from electron backscatter diffraction measurements. <i>American Mineralogist</i> , 2020, 105, 1021-1029.	0.9	23
29	Unique angrite-like fragments in a CH3 chondrite reveal a new basaltic planetesimal. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 275, 48-63.	1.6	7
30	Variations in initial <sup>26</sup> Al/ <sup>27</sup> Al ratios among fine-grained Ca-Al-rich inclusions from reduced CV chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 279, 1-15.	1.6	22
31	Heating duration of igneous rim formation on a chondrule in the Northwest Africa 3118 CV3oxA carbonaceous chondrite inferred from micro-scale migration of the oxygen isotopes. <i>Chemie Der Erde</i> , 2019, 79, 125524.	0.8	6
32	Aberration-corrected focused ion beam for time-of-flight secondary neutral mass spectrometry. <i>Applied Physics Express</i> , 2019, 12, 085005.	1.1	7
33	Acceptance of the Leonard Medal of the Meteoritical Society, 2019. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1892-1892.	0.7	0
34	SiO <sub>2</sub> Inclusions in Sublithospheric Diamonds. <i>Geochemistry International</i> , 2019, 57, 964-972.	0.2	4
35	Variations in initial <sup>26</sup> Al/ <sup>27</sup> Al ratios among fluffy Type A Ca-Al-rich inclusions from reduced CV chondrites. <i>Earth and Planetary Science Letters</i> , 2019, 511, 25-35.	1.8	25
36	Combined U-corrected Pb-Pb dating and <sup>26</sup> Al- <sup>26</sup> Mg systematics of individual chondrules – Evidence for a reduced initial abundance of <sup>26</sup> Al amongst inner Solar System chondrules. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 260, 62-83.	1.6	37

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37	H <sup>2</sup> D Interdiffusion in Single-Crystal Olivine: Implications for Electrical Conductivity in the Upper Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5696-5707.	1.4	34
38	Fast diffusion path for water in silica glass. <i>American Mineralogist</i> , 2019, 104, 385-390.	0.9	4
39	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019, 10, 1291.	5.8	99
40	The dynamic geophysical environment of (101955) Bennu based on OSIRIS-REx measurements. <i>Nature Astronomy</i> , 2019, 3, 352-361.	4.2	132
41	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	4.2	251
42	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	4.2	188
43	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. <i>Nature Geoscience</i> , 2019, 12, 242-246.	5.4	161
44	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. <i>Nature Geoscience</i> , 2019, 12, 247-252.	5.4	179
45	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019, 568, 55-60.	13.7	364
46	The ion microprobe as a tool for obtaining strontium isotopes in magmatic plagioclase: A case study at Okataina Volcanic Centre, New Zealand. <i>Chemical Geology</i> , 2019, 513, 153-166.	1.4	6
47	Electronic data acquisition and operational control system for time-of-flight sputtered neutral mass spectrometer. <i>Surface and Interface Analysis</i> , 2019, 51, 35-39.	0.8	6
48	Molecular and isotopic compositions of nitrogen-containing organic molecules formed during UV-irradiation of simulated interstellar ice. <i>Geochemical Journal</i> , 2019, 53, 5-20.	0.5	6
49	Mg lattice diffusion in iron-free olivine and implications to conductivity anomaly in the oceanic asthenosphere. <i>Earth and Planetary Science Letters</i> , 2018, 484, 204-212.	1.8	24
50	Population characteristics of submicrometer-sized craters on regolith particles from asteroid Itokawa. <i>Icarus</i> , 2018, 303, 22-33.	1.1	18
51	Negative activation volume of oxygen self-diffusion in forsterite. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 275, 1-8.	0.7	6
52	Supercritical fluid in the mantle transition zone deduced from H <sup>2</sup> D interdiffusion of wadsleyite. <i>Earth and Planetary Science Letters</i> , 2018, 484, 309-317.	1.8	14
53	Water diffusion in silica glass through pathways formed by hydroxyls. <i>American Mineralogist</i> , 2018, 103, 412-417.	0.9	13
54	44 Ca doped remineralization study on dentin by isotope microscopy. <i>Dental Materials</i> , 2018, 34, e57-e62.	1.6	3

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55	A dual origin for water in carbonaceous asteroids revealed by CM chondrites. <i>Nature Astronomy</i> , 2018, 2, 317-323.	4.2	43
56	Crystal growth and disequilibrium distribution of oxygen isotopes in an igneous Ca-Al-rich inclusion from the Allende carbonaceous chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 318-341.	1.6	41
57	Origin and implications of troilite-orthopyroxene intergrowths in the brecciated diogenite Northwest Africa 7183. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 125-145.	1.6	12
58	Pressure, temperature, water content, and oxygen fugacity dependence of the Mg grain-boundary diffusion coefficient in forsterite. <i>American Mineralogist</i> , 2018, 103, 1354-1361.	0.9	7
59	Stability of Al-bearing superhydrous phase B at the mantle transition zone and the uppermost lower mantle. <i>American Mineralogist</i> , 2018, 103, 1221-1227.	0.9	15
60	Weka Trainable Segmentation Plugin in ImageJ: A Semi-Automatic Tool Applied to Crystal Size Distributions of Microlites in Volcanic Rocks. <i>Microscopy and Microanalysis</i> , 2018, 24, 667-675.	0.2	34
61	Oxygen Isotopic Exchange between Amorphous Silicate and Water Vapor and Its Implications for Oxygen Isotopic Evolution in the Early Solar System. <i>Astrophysical Journal</i> , 2018, 865, 98.	1.6	15
62	The search for and analysis of direct samples of early Solar System aqueous fluids. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20150386.	1.6	15
63	Silicon and oxygen self-diffusion in stishovite: Implications for stability of SiO <sub>2</sub> -rich seismic reflectors in the mid-mantle. <i>Earth and Planetary Science Letters</i> , 2017, 459, 332-339.	1.8	15
64	Liquid-like behavior of UV-irradiated interstellar ice analog at low temperatures. <i>Science Advances</i> , 2017, 3, eaao2538.	4.7	32
65	Evolution of Morphological and Physical Properties of Laboratory Interstellar Organic Residues with Ultraviolet Irradiation. <i>Astrophysical Journal</i> , 2017, 837, 35.	1.6	17
66	Chronological study of oxygen isotope composition for the solar protoplanetary disk recorded in a fluffy Type A CAI from Vigarano. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 201, 83-102.	1.6	34
67	The lunar magma ocean volatile signature recorded in chlorine-rich glasses in KREEP basalts 15382 and 15386. <i>Geochemical Journal</i> , 2017, 51, 105-114.	0.5	9
68	Occurrences, abundances, and compositional variations of cosmic symplectites in the Acfer 094 ungrouped carbonaceous chondrite. <i>Geochemical Journal</i> , 2017, 51, 3-15.	0.5	27
69	Evidence for the solar wind in lunar magmas: A study of slowly cooled samples of the Apollo 12 olivine basalt suite. <i>Geochemical Journal</i> , 2017, 51, 95-104.	0.5	18
70	Carbonate ions in high-SiO <sub>2</sub> rhyolite observed in fluid-melt equilibrium experiments. <i>Geochemical Journal</i> , 2017, 51, 251-262.	0.5	1
71	Inferring the Effects of Compositional Boundary Layers on Crystal Nucleation, Growth Textures, and Mineral Chemistry in Natural Volcanic Tephra through Submicron-Resolution Imaging. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	17
72	Evaluation of multi-turn time-of-flight mass spectrum of laser ionization mass nanoscope. <i>Surface and Interface Analysis</i> , 2016, 48, 1122-1126.	0.8	13

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73	High-pressure minerals in eucrite suggest a small source crater on Vesta. <i>Scientific Reports</i> , 2016, 6, 26063.	1.6	57
74	Localization of Minodronate in Mouse Femora Through Isotope Microscopy. <i>Journal of Histochemistry and Cytochemistry</i> , 2016, 64, 601-622.	1.3	11
75	Sound velocities of aluminum-bearing stishovite in the mantle transition zone. <i>Geophysical Research Letters</i> , 2016, 43, 4239-4246.	1.5	16
76	Po-rich sulfide phase in CM chondrites: Constraints on its origin on the CM parent body. <i>Meteoritics and Planetary Science</i> , 2016, 51, 56-69.	0.7	3
77	Quantitative analysis of helium by post-ionization method using femtosecond laser technique. <i>Surface and Interface Analysis</i> , 2016, 48, 1181-1184.	0.8	7
78	Young asteroidal fluid activity revealed by absolute age from apatite in carbonaceous chondrite. <i>Nature Communications</i> , 2016, 7, 12844.	5.8	15
79	High spatial resolution imaging of helium isotope by TOF-NMS. <i>Surface and Interface Analysis</i> , 2016, 48, 1190-1193.	0.8	13
80	On progress and rate of the peritectic reaction Fo + SiO <sub>2</sub> = En in natural andesitic arc magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 185, 383-393.	1.6	28
81	New constraints on upper mantle creep mechanism inferred from silicon grain-boundary diffusion rates. <i>Earth and Planetary Science Letters</i> , 2016, 433, 350-359.	1.8	41
82	Hydrogen self-diffusivity in single crystal ringwoodite: Implications for water content and distribution in the mantle transition zone. <i>Geophysical Research Letters</i> , 2015, 42, 6582-6589.	1.5	25
83	Comparative compressibility of hydrous wadsleyite and ringwoodite: Effect of H <sub>2</sub> O and implications for detecting water in the transition zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 8259-8280.	1.4	25
84	A possible new Al-bearing hydrous Mg-silicate (23 Å... phase) in the deep upper mantle. <i>American Mineralogist</i> , 2015, 100, 2330-2335.	0.9	12
85	Interaction of arc magmas with subvolcanic hydrothermal systems: insights from compositions and metasomatic textures of olivine crystals in fresh basalts of Daisen and Mengameyama, Western Honshu, Japan. <i>Geological Society Special Publication</i> , 2015, 410, 219-236.	0.8	6
86	Citation for presentation of the 2014 Geochemical Journal Award to Hiroshi Amakawa. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 159, 306.	1.6	0
87	Mineralogical anatomy and implications of a Ti-Sc-rich ultrarefractory inclusion from Sayh al Uhaymir 290 CH3 chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 27-39.	1.6	35
88	Synthesis of large and homogeneous single crystals of water-bearing minerals by slow cooling at deep-mantle pressures. <i>American Mineralogist</i> , 2015, 100, 1483-1492.	0.9	20
89	<sup>26</sup> Al- <sup>26</sup> Mg chronology and oxygen isotope distributions of multiple melting for a Type C CAI from Allende. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 99-114.	1.6	28
90	Deuterium- and <sup>15</sup> N-signatures of organic globules in Murchison and Northwest Africa 801 meteorites. <i>Geochemical Journal</i> , 2015, 49, 377-391.	0.5	13

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91	Depth profiling analysis of solar wind helium collected in diamond-like carbon film from <i>Genesis</i>. <i>Geochemical Journal</i> , 2015, 49, 559-566.	0.5	14
92	Memorial for Tsanyao Yang. <i>Geochemical Journal</i> , 2015, 49, 319-319.	0.5	0
93	Investigation of cutting methods for small samples of Hayabusa and future sample return missions. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1186-1201.	0.7	3
94	Origins of Al-rich chondrules: Clues from a compound Al-rich chondrule in the Dar al Gani 978 carbonaceous chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 130, 78-92.	1.6	20
95	Arsenic alters uptake and distribution of sulphur in <i>Pteris vittata</i>. <i>Plant, Cell and Environment</i> , 2014, 37, 45-53.	2.8	22
96	Stable isotope cellular imaging reveals that both live and degenerating fungal pelotons transfer carbon and nitrogen to orchid protocorms. <i>New Phytologist</i> , 2014, 202, 594-605.	3.5	109
97	Crystal uptake into aphyric arc melts: insights from two-pyroxene pseudo-decompression paths, plagioclase hygrometry, and measurement of hydrogen in olivines from mafic volcanics of SW Japan. <i>Geological Society Special Publication</i> , 2014, 385, 161-184.	0.8	31
98	Thermal modeling for a parent body of Itokawa. <i>Meteoritics and Planetary Science</i> , 2014, 49, 228-236.	0.7	20
99	Isotope Microscopy Visualization of the Adsorption Profile of 2-Methylisborneol and Geosmin in Powdered Activated Carbon. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10897-10903.	4.6	22
100	Oxygen isotopic distribution along the otolith growth axis by secondary ion mass spectrometry: Applications for studying ontogenetic change in the depth inhabited by deep-sea fishes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 84, 50-58.	0.6	15
101	Isotopic compositions of asteroidal liquid water trapped in fluid inclusions of chondrites. <i>Geochemical Journal</i> , 2014, 48, 549-560.	0.5	22
102	Preface for the special issue of ALC13. <i>Surface and Interface Analysis</i> , 2014, 46, 1119-1120.	0.8	0
103	Development of an Ultra-High Performance Multi-Turn TOF-SIMS/SNMS System "MULTUM-SIMS/SNMS". <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 222-229.	1.2	8
104	Petrography and mineralogy of the ungrouped type 3 carbonaceous chondrite Dar al Gani 978. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1651-1677.	0.7	9
105	XANES and Mn isotopic analyses of spinels in C&A-rich inclusions: Evidence for formation under oxidizing conditions. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2015-2043.	0.7	12
106	Carbon isotope heterogeneity in metamorphic diamond from the Kokchetav UHP dolomite marble, northern Kazakhstan. <i>International Geology Review</i> , 2013, 55, 453-467.	1.1	8
107	Sulfide-rich dunite within a thick Moho transition zone of the northern Oman ophiolite: Implications for the origin of Cyprus-type sulfide deposits. <i>Lithos</i> , 2013, 164-167, 22-35.	0.6	17
108	In situ observation of D-rich carbonaceous globules embedded in NWA 801 CR2 chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 306-323.	1.6	19

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109	Petrology, trace element abundances and oxygen isotopic compositions of a compound CAI chondrule object from Allende. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 102, 261-279.	1.6	23
110	Studies on bone metabolism by using isotope microscopy, FTIR imaging, and micro-Raman spectroscopy. <i>Journal of Oral Biosciences</i> , 2013, 55, 61-65.	0.8	9
111	Synthesis of <sup>18</sup> O-labeled RNA for application to kinetic studies and imaging. <i>Nucleic Acids Research</i> , 2013, 41, e126-e126.	6.5	19
112	Ion implantation and diffusion of zinc in dense SnO <sub>2</sub> ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 1004-1007.	0.5	5
113	Characterization of oxygen defect and zinc segregation in the dense tin dioxide ceramics added with zinc oxide. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 956-959.	0.5	6
114	Hydrogen Analysis of Mantle Olivine by Secondary Ion Mass Spectrometry. <i>Geophysical Monograph Series</i> , 2013, , 283-287.	0.1	16
115	Tissue Specific Localization of Pectin Ca <sup>2+</sup> Cross-Linkages and Pectin Methyl-Esterification during Fruit Ripening in Tomato ( <i>Solanum lycopersicum</i> ). <i>PLoS ONE</i> , 2013, 8, e78949.	1.1	54
116	Development of Highly Sensitive Ion Imager Corresponding to Real-Time Readout Having Single-Ion Detectability. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 076701.	0.8	2
117	Characteristics of asteroid Itokawa from Hayabusa return samples. , 2012, , .		1
118	Preliminary organic compound analysis of microparticles returned from Asteroid 25143 Itokawa by the Hayabusa mission. <i>Geochemical Journal</i> , 2012, 46, 61-72.	0.5	39
119	Needle-like grains across growth lines in the coral skeleton of <i>Porites lobata</i> . <i>Journal of Structural Biology</i> , 2012, 180, 389-393.	1.3	9
120	High silicon self-diffusion coefficient in dry forsterite. <i>Earth and Planetary Science Letters</i> , 2012, 345-348, 95-103.	1.8	67
121	Oxygen isotopic composition of the solar nebula gas inferred from high-precision isotope imaging of melilite crystals in an Allende CAI. <i>Meteoritics and Planetary Science</i> , 2012, 47, 2070-2083.	0.7	34
122	Oxygen isotopic and chemical zoning of melilite crystals in a type A Ca-Al-rich inclusion of Efremovka CV3 chondrite. <i>Meteoritics and Planetary Science</i> , 2012, 47, 2084-2093.	0.7	27
123	Oxygen isotopic zoning of reversely zoned melilite crystals in a fluffy type A Ca-Al-rich inclusions from the Vigarano meteorite. <i>Meteoritics and Planetary Science</i> , 2012, 47, 2094-2106.	0.7	26
124	Oxygen isotopic variations in a type A Ca-Al-rich inclusion revealed by high-precision secondary ion mass spectrometry analysis with micrometer resolution. <i>Surface and Interface Analysis</i> , 2012, 44, 678-681.	0.8	3
125	Development of laser ionization mass nanoscope (LIMAS). <i>Surface and Interface Analysis</i> , 2012, 44, 635-640.	0.8	20
126	Development of Highly Sensitive Ion Imager Corresponding to Real-Time Readout Having Single-Ion Detectability. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 076701.	0.8	1



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127	Silicon and magnesium diffusion in a single crystal of MgSiO <sub>3</sub> perovskite. Journal of Geophysical Research, 2011, 116, .	3.3	37
128	Yangzhumingite, KMg <sub>2.5</sub> Si <sub>4</sub> O <sub>10</sub> F <sub>2</sub> , a new mineral in the mica group from Bayan Obo, Inner Mongolia, China. European Journal of Mineralogy, 2011, 23, 467-473.	0.4	11
129	Hydrogen isotope ratios in lunar rocks indicate delivery of cometary water to the Moon. Nature Geoscience, 2011, 4, 79-82.	5.4	234
130	Carbon isotope anatomy of a single graphite crystal in a metapelitic migmatite revealed by high-spatial resolution SIMS analysis. Contributions To Mineralogy and Petrology, 2011, 162, 821-834.	1.2	19
131	Oxygen Isotopic Compositions of Asteroidal Materials Returned from Itokawa by the Hayabusa Mission. Science, 2011, 333, 1116-1119.	6.0	161
132	Three-Dimensional Structure of Hayabusa Samples: Origin and Evolution of Itokawa Regolith. Science, 2011, 333, 1125-1128.	6.0	249
133	Irradiation History of Itokawa Regolith Material Deduced from Noble Gases in the Hayabusa Samples. Science, 2011, 333, 1128-1131.	6.0	128
134	Neutron Activation Analysis of a Particle Returned from Asteroid Itokawa. Science, 2011, 333, 1119-1121.	6.0	55
135	Analysis of the noise properties of a solid-state SCAPS ion imager and development of software noise reduction. Surface and Interface Analysis, 2010, 42, 1603-1605.	0.8	7
136	Ultra-high performance multi-turn TOF-SIMS system with a femto-second laser for post-ionization: investigation of the performance in linear mode. Surface and Interface Analysis, 2010, 42, 1598-1602.	0.8	16
137	Oxygen isotopic compositions of chondrules from the metal-rich chondrites Isheyevo (CH/CBb), MAC 02675 (CBb) and QUE 94627 (CBb). Geochimica Et Cosmochimica Acta, 2010, 74, 2190-2211.	1.6	58
138	Water partitioning in the Earth's mantle. Physics of the Earth and Planetary Interiors, 2010, 183, 245-251.	0.7	106
139	Origin and chronology of chondritic components: A review. Geochimica Et Cosmochimica Acta, 2009, 73, 4963-4997.	1.6	171
140	Non-chondritic oxygen isotopic component of metals in a noble-gas-rich chondrite—vestige of stellar wind from the protosun?. Geochemical Journal, 2009, 43, e11-e15.	0.5	4
141	Calculation of radiogenic <sup>26</sup> Mg of CAI minerals under high precision isotope measurement by SIMS. Applied Surface Science, 2008, 255, 1476-1478.	3.1	11
142	Characteristics of post-ionization using a femto-second laser. Applied Surface Science, 2008, 255, 1595-1598.	3.1	14
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