

Hisayoshi Yurimoto

List of Publications by Year in descending order

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Version: 2024-02-01

252
papers

11,511
citations

20815

60
h-index

37202

96
g-index

262
all docs

262
docs citations

262
times ranked

5955
citing authors

#	ARTICLE	IF	CITATIONS
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. <i>Science</i> , 2023, 379, .	12.6	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.	2.1	5
3	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. <i>Nature Astronomy</i> , 2022, 6, 214-220.	10.1	136
4	Chemical Composition of the Earth. <i>Journal of Geography (Chigaku Zasshi)</i> , 2022, 131, 163-177.	0.3	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, , .	3.9	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.	7.6	6
7	Visualization of DNA Replication in Single Chromosome by Stable Isotope Labeling. <i>Cell Structure and Function</i> , 2021, 46, 95-101.	1.1	0
8	MushPEC: Correcting Post-entrapment Processes Affecting Melt Inclusions Hosted in Olivine Antecrysts. <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	4
9	Widespread Tissintite in Strongly Shocked Lithified Lunar Regolith Breccias. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091554.	4.0	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.	1.6	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.	4.4	0
12	Experimental evidence for hydrogen incorporation into Earth's core. <i>Nature Communications</i> , 2021, 12, 2588.	12.8	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.	3.9	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.	1.6	6
15	Origin of hydrogen isotopic variations in chondritic water and organics. <i>Earth and Planetary Science Letters</i> , 2021, 567, 117008.	4.4	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.	3.9	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.	3.1	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.	0.1	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.	3.6	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.	8.3	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.	1.5	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.	1.6	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.	1.6	23
24	A new occurrence of corundum in eucrite and its significance. <i>American Mineralogist</i> , 2020, 105, 1656-1661.	1.9	6
25	Melilite condensed from an ^{16}O -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.	3.9	12
26	Osteocytic Osteolysis in PTH-treated Wild-type and $\text{Rankl}^{\text{KO}}/\text{Rankl}^{\text{KO}}$ Mice Examined by Transmission Electron Microscopy, Atomic Force Microscopy, and Isotope Microscopy. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 651-668.	2.5	6
27	Evidence of metasomatism in the interior of Vesta. <i>Nature Communications</i> , 2020, 11, 1289.	12.8	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.	1.9	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.	3.9	7
30	Variations in initial $^{26}\text{Al}/^{27}\text{Al}$ ratios among fine-grained Ca-Al-rich inclusions from reduced CV chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 279, 1-15.	3.9	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.	2.0	6
32	Aberration-corrected focused ion beam for time-of-flight secondary neutral mass spectrometry. <i>Applied Physics Express</i> , 2019, 12, 085005.	2.4	7
33	Acceptance of the Leonard Medal of the Meteoritical Society, 2019. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1892-1892.	1.6	0
34	SiO_2 Inclusions in Sublithospheric Diamonds. <i>Geochemistry International</i> , 2019, 57, 964-972.	0.7	4
35	Variations in initial $^{26}\text{Al}/^{27}\text{Al}$ ratios among fluffy Type A Ca–Al-rich inclusions from reduced CV chondrites. <i>Earth and Planetary Science Letters</i> , 2019, 511, 25-35.	4.4	25
36	Combined U-corrected Pb-Pb dating and ^{26}Al - ^{26}Mg systematics of individual chondrules – Evidence for a reduced initial abundance of ^{26}Al amongst inner Solar System chondrules. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 260, 62-83.	3.9	37

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37	H ² 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.	3.4	34
38	Fast diffusion path for water in silica glass. <i>American Mineralogist</i> , 2019, 104, 385-390.	1.9	4
39	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019, 10, 1291.	12.8	99
40	The dynamic geophysical environment of (101955) Bennu based on OSIRIS-REx measurements. <i>Nature Astronomy</i> , 2019, 3, 352-361.	10.1	132
41	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	10.1	251
42	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	10.1	188
43	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. <i>Nature Geoscience</i> , 2019, 12, 242-246.	12.9	161
44	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. <i>Nature Geoscience</i> , 2019, 12, 247-252.	12.9	179
45	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019, 568, 55-60.	27.8	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.	3.3	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.	1.8	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.	1.0	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.	4.4	24
50	Population characteristics of submicrometer-sized craters on regolith particles from asteroid Itokawa. <i>Icarus</i> , 2018, 303, 22-33.	2.5	18
51	Negative activation volume of oxygen self-diffusion in forsterite. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 275, 1-8.	1.9	6
52	Supercritical fluid in the mantle transition zone deduced from H ² D interdiffusion of wadsleyite. <i>Earth and Planetary Science Letters</i> , 2018, 484, 309-317.	4.4	14
53	Water diffusion in silica glass through pathways formed by hydroxyls. <i>American Mineralogist</i> , 2018, 103, 412-417.	1.9	13
54	44 Ca doped remineralization study on dentin by isotope microscopy. <i>Dental Materials</i> , 2018, 34, e57-e62.	3.5	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.	10.1	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.	3.9	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.	3.9	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.	1.9	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.	1.9	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.	0.4	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.	4.5	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.	3.4	15
63	Silicon and oxygen self-diffusion in stishovite: Implications for stability of SiO ₂ -rich seismic reflectors in the mid-mantle. <i>Earth and Planetary Science Letters</i> , 2017, 459, 332-339.	4.4	15
64	Liquid-like behavior of UV-irradiated interstellar ice analog at low temperatures. <i>Science Advances</i> , 2017, 3, eaao2538.	10.3	32
65	Evolution of Morphological and Physical Properties of Laboratory Interstellar Organic Residues with Ultraviolet Irradiation. <i>Astrophysical Journal</i> , 2017, 837, 35.	4.5	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.	3.9	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.	1.0	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.	1.0	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.	1.0	18
70	Carbonate ions in high-SiO ₂ rhyolite observed in fluid-melt equilibrium experiments. <i>Geochemical Journal</i> , 2017, 51, 251-262.	1.0	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, .	1.8	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.	1.8	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.	3.3	57
74	Localization of Minodronate in Mouse Femora Through Isotope Microscopy. <i>Journal of Histochemistry and Cytochemistry</i> , 2016, 64, 601-622.	2.5	11
75	Sound velocities of aluminum-bearing stishovite in the mantle transition zone. <i>Geophysical Research Letters</i> , 2016, 43, 4239-4246.	4.0	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.	1.6	3
77	Quantitative analysis of helium by post-ionization method using femtosecond laser technique. <i>Surface and Interface Analysis</i> , 2016, 48, 1181-1184.	1.8	7
78	Young asteroidal fluid activity revealed by absolute age from apatite in carbonaceous chondrite. <i>Nature Communications</i> , 2016, 7, 12844.	12.8	15
79	High spatial resolution imaging of helium isotope by TOF-NMS. <i>Surface and Interface Analysis</i> , 2016, 48, 1190-1193.	1.8	13
80	On progress and rate of the peritectic reaction $Fo + SiO_2 \rightarrow En$ in natural andesitic arc magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 185, 383-393.	3.9	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.	4.4	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.	4.0	25
83	Comparative compressibility of hydrous wadsleyite and ringwoodite: Effect of H_2O and implications for detecting water in the transition zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 8259-8280.	3.4	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.	1.9	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.	1.3	6
86	Citation for presentation of the 2014 Geochemical Journal Award to Hiroshi Amakawa. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 159, 306.	3.9	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.	3.9	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.	1.9	20
89	^{26}Al - ^{26}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.	3.9	28
90	Deuterium- and ^{15}N -signatures of organic globules in Murchison and Northwest Africa 801 meteorites. <i>Geochemical Journal</i> , 2015, 49, 377-391.	1.0	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.	1.0	14
92	Memorial for Tsanyao Yang. <i>Geochemical Journal</i> , 2015, 49, 319-319.	1.0	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.	1.6	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.	3.9	20
95	Arsenic alters uptake and distribution of sulphur in <i>Pteris vittata</i>. <i>Plant, Cell and Environment</i> , 2014, 37, 45-53.	5.7	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.	7.3	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.	1.3	31
98	Thermal modeling for a parent body of Itokawa. <i>Meteoritics and Planetary Science</i> , 2014, 49, 228-236.	1.6	20
99	Isotope Microscopy Visualization of the Adsorption Profile of 2-Methylisoborneol and Geosmin in Powdered Activated Carbon. <i>Environmental Science & Technology</i> , 2014, 48, 10897-10903.	10.0	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.	1.4	15
101	Isotopic compositions of asteroidal liquid water trapped in fluid inclusions of chondrites. <i>Geochemical Journal</i> , 2014, 48, 549-560.	1.0	22
102	Preface for the special issue of ALC13. <i>Surface and Interface Analysis</i> , 2014, 46, 1119-1120.	1.8	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.	2.8	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.	1.6	9
105	^{XANES} and ^Mg isotopic analyses of spinels in ^C-rich inclusions: Evidence for formation under oxidizing conditions. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2015-2043.	1.6	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.	2.1	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.	1.4	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.	3.9	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.	3.9	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.	2.2	9
111	Synthesis of ¹⁸ O-labeled RNA for application to kinetic studies and imaging. <i>Nucleic Acids Research</i> , 2013, 41, e126-e126.	14.5	19
112	Ion implantation and diffusion of zinc in dense SnO ₂ ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 1004-1007.	1.1	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.	1.1	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 ²⁺ Cross-Linkages and Pectin Methyl-Esterification during Fruit Ripening in Tomato (<i>Solanum lycopersicum</i>). <i>PLoS ONE</i> , 2013, 8, e78949.	2.5	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.	1.5	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.	1.0	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.	2.8	9
120	High silicon self-diffusion coefficient in dry forsterite. <i>Earth and Planetary Science Letters</i> , 2012, 345-348, 95-103.	4.4	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.	1.6	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.	1.6	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.	1.6	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.	1.8	3
125	Development of laser ionization mass nanoscope (LIMAS). <i>Surface and Interface Analysis</i> , 2012, 44, 635-640.	1.8	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.	1.5	1

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127	Silicon and magnesium diffusion in a single crystal of MgSiO_3 perovskite. Journal of Geophysical Research, 2011, 116, .	3.3	37
128	Yangzhumingite, $\text{KMg}_2.5\text{Si}_4\text{O}_{10}\text{F}_2$, a new mineral in the mica group from Bayan Obo, Inner Mongolia, China. European Journal of Mineralogy, 2011, 23, 467-473.	1.3	11
129	Hydrogen isotope ratios in lunar rocks indicate delivery of cometary water to the Moon. Nature Geoscience, 2011, 4, 79-82.	12.9	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.	3.1	19
131	Oxygen Isotopic Compositions of Asteroidal Materials Returned from Itokawa by the Hayabusa Mission. Science, 2011, 333, 1116-1119.	12.6	161
132	Three-Dimensional Structure of Hayabusa Samples: Origin and Evolution of Itokawa Regolith. Science, 2011, 333, 1125-1128.	12.6	249
133	Irradiation History of Itokawa Regolith Material Deduced from Noble Gases in the Hayabusa Samples. Science, 2011, 333, 1128-1131.	12.6	128
134	Neutron Activation Analysis of a Particle Returned from Asteroid Itokawa. Science, 2011, 333, 1119-1121.	12.6	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.	1.8	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.	1.8	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.	3.9	58
138	Water partitioning in the Earth's mantle. Physics of the Earth and Planetary Interiors, 2010, 183, 245-251.	1.9	106
139	Origin and chronology of chondritic components: A review. Geochimica Et Cosmochimica Acta, 2009, 73, 4963-4997.	3.9	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.	1.0	4
141	Calculation of radiogenic ^{26}Mg of CAI minerals under high precision isotope measurement by SIMS. Applied Surface Science, 2008, 255, 1476-1478.	6.1	11
142	Characteristics of post-ionization using a femto-second laser. Applied Surface Science, 2008, 255, 1595-1598.	6.1	14
143	Identification of silicate and carbonaceous presolar grains by SIMS in the type-3 enstatite chondrite ALHA81189. Applied Surface Science, 2008, 255, 1468-1471.	6.1	12
144	Discovery of ^{17}O , ^{18}O -rich material from meteorite by direct-imaging method using stigmatic-SIMS and 2D ion detector. Applied Surface Science, 2008, 255, 1458-1460.	6.1	9

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