

# Bernard Marty

## List of Publications by Year in descending order

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Version: 2024-02-01

202  
papers

17,832  
citations

11608

70  
h-index

14156

128  
g-index

205  
all docs

205  
docs citations

205  
times ranked

9255  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. <i>Science</i> , 2022, 375, 1011-1016.	6.0	78
2	Meteoritic noble gas constraints on the origin of terrestrial volatiles. <i>Icarus</i> , 2022, 381, 115020.	1.1	9
3	Planning Implications Related to Sterilization-Sensitive Science Investigations Associated with Mars Sample Return (MSR). <i>Astrobiology</i> , 2022, 22, S-112-S-164.	1.5	7
4	Final Report of the Mars Sample Return Science Planning Group 2 (MSPG2). <i>Astrobiology</i> , 2022, 22, S-5-S-26.	1.5	15
5	Rationale and Proposed Design for a Mars Sample Return (MSR) Science Program. <i>Astrobiology</i> , 2022, 22, S-27-S-56.	1.5	14
6	The Scientific Importance of Returning Airfall Dust as a Part of Mars Sample Return (MSR). <i>Astrobiology</i> , 2022, 22, S-176-S-185.	1.5	5
7	Science and Curation Considerations for the Design of a Mars Sample Return (MSR) Sample Receiving Facility (SRF). <i>Astrobiology</i> , 2022, 22, S-217-S-237.	1.5	7
8	Scientific Value of Including an Atmospheric Sample as Part of Mars Sample Return (MSR). <i>Astrobiology</i> , 2022, 22, S-165-S-175.	1.5	7
9	Preliminary Planning for Mars Sample Return (MSR) Curation Activities in a Sample Receiving Facility (SRF). <i>Astrobiology</i> , 2022, 22, S-57-S-80.	1.5	16
10	High precision noble gas measurements of hydrothermal quartz reveal variable loss rate of Xe from the Archean atmosphere. <i>Earth and Planetary Science Letters</i> , 2022, 588, 117577.	1.8	4
11	A very early origin of isotopically distinct nitrogen in inner Solar System protoplanets. <i>Nature Astronomy</i> , 2021, 5, 356-364.	4.2	34
12	A 4,565-My-old andesite from an extinct chondritic protoplanet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	29
13	Possible discontinuous evolution of atmospheric xenon suggested by Archean barites. <i>Chemical Geology</i> , 2021, 581, 120405.	1.4	4
14	Time-Sensitive Aspects of Mars Sample Return (MSR) Science. <i>Astrobiology</i> , 2021, , .	1.5	10
15	Xenon isotopes in Archean and Proterozoic insoluble organic matter: A robust indicator of syngeneity?. <i>Precambrian Research</i> , 2020, 336, 105505.	1.2	5
16	Noble gas variations in ureilites and their implications for ureilite parent body formation. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 270, 325-337.	1.6	15
17	An evaluation of the C/N ratio of the mantle from natural CO <sub>2</sub> -rich gas analysis: Geochemical and cosmochemical implications. <i>Earth and Planetary Science Letters</i> , 2020, 551, 116574.	1.8	38
18	The NC-CC Isotope Dichotomy: Implications for the Chemical and Isotopic Evolution of the Early Solar System. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	27

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19	Tracing the Origins of the Ice Giants Through Noble Gas Isotopic Composition. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	13
20	Future Missions Related to the Determination of the Elemental and Isotopic Composition of Earth, Moon and the Terrestrial Planets. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	8
21	Nitrogen Atmospheres of the Icy Bodies in the Solar System. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	11
22	Archean to Paleoproterozoic seawater halogen ratios recorded by fluid inclusions in chert and hydrothermal quartz. <i>American Mineralogist</i> , 2020, 105, 1317-1325.	0.9	8
23	Earth's water may have been inherited from material similar to enstatite chondrite meteorites. <i>Science</i> , 2020, 369, 1110-1113.	6.0	164
24	Identification of chondritic krypton and xenon in Yellowstone gases and the timing of terrestrial volatile accretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13997-14004.	3.3	35
25	Loss and Fractionation of Noble Gas Isotopes and Moderately Volatile Elements from Planetary Embryos and Early Venus, Earth and Mars. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	34
26	Perspectives on Atmospheric Evolution from Noble Gas and Nitrogen Isotopes on Earth, Mars & Venus. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	37
27	Is the Faint Young Sun Problem for Earth Solved?. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	30
28	The origin and fate of volatile elements on Earth revisited in light of noble gas data obtained from comet 67P/Churyumov-Gerasimenko. <i>Scientific Reports</i> , 2020, 10, 5796.	1.6	24
29	Hydrothermal <sup>15</sup> N/ <sup>15</sup> N abundances constrain the origins of mantle nitrogen. <i>Nature</i> , 2020, 580, 367-371.	13.7	50
30	Novel insights into the degassing history of Earth's mantle from high precision noble gas analysis of magmatic gas. <i>Earth and Planetary Science Letters</i> , 2019, 525, 115766.	1.8	23
31	Potassium isotope systematics of oceanic basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 144-154.	1.6	54
32	Geochemical evidence for high volatile fluxes from the mantle at the end of the Archaean. <i>Nature</i> , 2019, 575, 485-488.	13.7	20
33	Primordial heavy noble gases in the pristine Paris carbonaceous chondrite. <i>Meteoritics and Planetary Science</i> , 2019, 54, 395-414.	0.7	15
34	Coulomb explosion of multiply ionized xenon in water ice. <i>Geochemical Journal</i> , 2019, 53, 69-81.	0.5	2
35	Archean kerogen as a new tracer of atmospheric evolution: Implications for dating the widespread nature of early life. <i>Science Advances</i> , 2018, 4, eaar2091.	4.7	20
36	Salinity of the Archaean oceans from analysis of fluid inclusions in quartz. <i>Comptes Rendus - Geoscience</i> , 2018, 350, 154-163.	0.4	47

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37	Evolution of atmospheric xenon and other noble gases inferred from Archean to Paleoproterozoic rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 82-100.	1.6	81
38	Origin and significance of cosmogenic signatures in vesicles of lunar basalt 15016. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1238-1251.	0.7	5
39	Scientific rationale for Uranus and Neptune in situ explorations. <i>Planetary and Space Science</i> , 2018, 155, 12-40.	0.9	69
40	A new all-metal induction furnace for noble gas extraction. <i>Chemical Geology</i> , 2018, 480, 86-92.	1.4	11
41	iMARS Phase 2. <i>Astrobiology</i> , 2018, 18, S-1-S-131.	1.5	18
42	High-temperature ionization-induced Synthesis of Biologically Relevant Molecules in the Protosolar Nebula. <i>Astrophysical Journal</i> , 2018, 859, 142.	1.6	12
43	Krypton isotopes and noble gas abundances in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , 2018, 4, eaar6297.	4.7	52
44	The origin and degassing history of the Earth's atmosphere revealed by Archean xenon. <i>Nature Communications</i> , 2017, 8, 15455.	5.8	51
45	Xenon isotopes in 67P/Churyumov-Gerasimenko show that comets contributed to Earth's atmosphere. <i>Science</i> , 2017, 356, 1069-1072.	6.0	161
46	Impact of Radiogenic Heating on the Formation Conditions of Comet 67P/Churyumov-Gerasimenko. <i>Astrophysical Journal Letters</i> , 2017, 839, L4.	3.0	19
47	Processes of noble gas elemental and isotopic fractionations in plasma-produced organic solids: Cosmochemical implications. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 217, 219-230.	1.6	13
48	Stepwise heating of lunar anorthosites 60025, 60215, 65315 possibly reveals an indigenous noble gas component on the Moon. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 114-131.	1.6	19
49	Halogens as tracers of protosolar nebula material in comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 1336-1345.	1.6	44
50	New measurement of the Boltzmann constant $k$ by acoustic thermometry of helium-4 gas. <i>Metrologia</i> , 2017, 54, 856-873.	0.6	59
51	Cometary Isotopic Measurements. , 2017, , 47-83.		0
52	Constraints from Comets on the Formation and Volatile Acquisition of the Planets and Satellites. , 2017, , 297-342.		0
53	Chondritic xenon in the Earth's mantle. <i>Nature</i> , 2016, 533, 82-85.	13.7	75
54	Mercury (Hg) in meteorites: Variations in abundance, thermal release profile, mass-dependent and mass-independent isotopic fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 55-72.	1.6	26

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55	Prebiotic chemicalsâ€”amino acid and phosphorusâ€”in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , 2016, 2, e1600285.	4.7	393
56	The presence of clathrates in comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , 2016, 2, e1501781.	4.7	38
57	Origins of volatile elements (H, C, N, noble gases) on Earth and Mars in light of recent results from the ROSETTA cometary mission. <i>Earth and Planetary Science Letters</i> , 2016, 441, 91-102.	1.8	143
58	A PROTOSOLAR NEBULA ORIGIN FOR THE ICES AGGLOMERATED BY COMET 67P/CHURYUMOVâ€”GERASIMENKO. <i>Astrophysical Journal Letters</i> , 2016, 819, L33.	3.0	43
59	Nitrogen isotope fractionation during terrestrial core-mantle separation. <i>Geochemical Perspectives Letters</i> , 2016, , 138-147.	1.0	49
60	Detection of argon in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , 2015, 1, e1500377.	4.7	87
61	Cometary Isotopic Measurements. <i>Space Science Reviews</i> , 2015, 197, 47-83.	3.7	112
62	A comprehensive study of noble gases and nitrogen in â€œHypatiaâ€”, a diamond-rich pebble from SW Egypt. <i>Earth and Planetary Science Letters</i> , 2015, 432, 243-253.	1.8	8
63	Evidence for an early nitrogen isotopic evolution in the solar nebula from volatile analyses of a CAI from the CV3 chondrite NWA 8616. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 153, 183-201.	1.6	12
64	Time variability and heterogeneity in the coma of 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0276.	6.0	222
65	Nitrogen isotope variations in the Solar System. <i>Nature Geoscience</i> , 2015, 8, 515-522.	5.4	147
66	Synthesis of refractory organic matter in the ionized gas phase of the solar nebula. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7129-7134.	3.3	43
67	Molecular nitrogen in comet 67P/Churyumov-Gerasimenko indicates a low formation temperature. <i>Science</i> , 2015, 348, 232-235.	6.0	195
68	Abundant molecular oxygen in the coma of comet 67P/Churyumovâ€”Gerasimenko. <i>Nature</i> , 2015, 526, 678-681.	13.7	260
69	Constraints from Comets on the Formation and Volatile Acquisition of the Planets and Satellites. <i>Space Science Reviews</i> , 2015, 197, 297-342.	3.7	25
70	Indigenous nitrogen in the Moon: Constraints from coupled nitrogenâ€”noble gas analyses of mare basalts. <i>Earth and Planetary Science Letters</i> , 2015, 431, 195-205.	1.8	29
71	67P/Churyumov-Gerasimenko, a Jupiter family comet with a high D/H ratio. <i>Science</i> , 2015, 347, 1261952.	6.0	403
72	Scientific rationale for Saturnâ€™s in situ exploration. <i>Planetary and Space Science</i> , 2014, 104, 29-47.	0.9	49

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73	Evolution of volatile species in the earth's mantle: A view from xenology. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 136, 229-246.	1.6	13
74	The Paris meteorite, the least altered CM chondrite so far. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 190-222.	1.6	163
75	New evidence for chondritic lunar water from combined D/H and noble gas analyses of single Apollo 17 volcanic glasses. <i>Icarus</i> , 2014, 229, 109-120.	1.1	59
76	Coupled noble gas-hydrocarbon evolution of the early Earth atmosphere upon solar UV irradiation. <i>Earth and Planetary Science Letters</i> , 2014, 385, 40-48.	1.8	35
77	Nitrogen isotopic fractionation during abiotic synthesis of organic solid particles. <i>Earth and Planetary Science Letters</i> , 2014, 393, 2-13.	1.8	26
78	The iodine-plutonium-xenon age of the Moon-Earth system revisited. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130260.	1.6	44
79	Effects of atmospheric entry heating on the noble gas and nitrogen content of micrometeorites. <i>Earth and Planetary Science Letters</i> , 2013, 377-378, 1-12.	1.8	18
80	Nitrogen solubility in molten metal and silicate at high pressure and temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 15-28.	1.6	107
81	Experimental determination of the xenon isotopic fractionation during adsorption. <i>Geophysical Research Letters</i> , 2013, 40, 4165-4170.	1.5	19
82	Iron isotopic systematics of oceanic basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 107, 12-26.	1.6	182
83	Nitrogen Isotopic Composition and Density of the Archean Atmosphere. <i>Science</i> , 2013, 342, 101-104.	6.0	156
84	Trace elements in the gas emissions from the Erta Ale volcano, Afar, Ethiopia. <i>Chemical Geology</i> , 2013, 357, 95-116.	1.4	89
85	Asteroidal impacts and the origin of terrestrial and lunar volatiles. <i>Icarus</i> , 2013, 222, 44-52.	1.1	99
86	Reply to comment on "Chondritic-like xenon trapped in Archean rocks: A possible signature of the ancient atmosphere" by Pujol, M., Marty, B., Burgess, R., <i>Earth and Planetary Science Letters</i> 308 (2011) 298-306 by Pepin, R.O.. <i>Earth and Planetary Science Letters</i> , 2013, 371-372, 296-298.	1.8	3
87	Nitrogen Isotopes and Mantle Geodynamics: The Emergence of Life and the Atmosphere-Crust-Mantle Connection. <i>Elements</i> , 2013, 9, 359-366.	0.5	152
88	Mechanisms of magma degassing at mid-oceanic ridges and the local volatile composition ( $4\text{He}$ - $^{40}\text{Ar}$ - $^{13}\text{C}$ - $^{14}\text{C}$ ) of the mantle by laser ablation analysis of individual MORB vesicles. <i>Earth and Planetary Science Letters</i> , 2013, 361, 183-194.	1.8	21
89	Argon isotopic composition of Archean atmosphere probes early Earth geodynamics. <i>Nature</i> , 2013, 498, 87-90.	13.7	103
90	Primordial Origins of Earth's Carbon. <i>Reviews in Mineralogy and Geochemistry</i> , 2013, 75, 149-181.	2.2	69

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91	Sulfur degassing at Erta Ale (Ethiopia) and Masaya (Nicaragua) volcanoes: Implications for degassing processes and oxygen fugacities of basaltic systems. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4076-4108.	1.0	100
92	6. Primordial Origins of Earth's Carbon. , 2013, , 149-182.		1
93	The origins and concentrations of water, carbon, nitrogen and noble gases on Earth. <i>Earth and Planetary Science Letters</i> , 2012, 313-314, 56-66.	1.8	745
94	Tissint Martian Meteorite: A Fresh Look at the Interior, Surface, and Atmosphere of Mars. <i>Science</i> , 2012, 338, 785-788.	6.0	100
95	MarcoPolo-R near earth asteroid sample return mission. <i>Experimental Astronomy</i> , 2012, 33, 645-684.	1.6	72
96	Constraints on the flux of meteoritic and cometary water on the Moon from volatile element (Nâ€“Ar) analyses of single lunar soil grains, Luna 24 core. <i>Icarus</i> , 2012, 218, 220-229.	1.1	33
97	The evolution of Venus: Present state of knowledge and future exploration. <i>Planetary and Space Science</i> , 2012, 63-64, 15-23.	0.9	47
98	Adsorption of xenon ions onto defects in organic surfaces: Implications for the origin and the nature of organics in primitive meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6255-6266.	1.6	34
99	Chondritic-like xenon trapped in Archean rocks: A possible signature of the ancient atmosphere. <i>Earth and Planetary Science Letters</i> , 2011, 308, 298-306.	1.8	96
100	A <sup>15</sup> N-Poor Isotopic Composition for the Solar System As Shown by Genesis Solar Wind Samples. <i>Science</i> , 2011, 332, 1533-1536.	6.0	255
101	Nitrogen isotopes in the recent solar wind from the analysis of Genesis targets: Evidence for large scale isotope heterogeneity in the early solar system. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 340-355.	1.6	94
102	Magnesium isotopic composition of the Earth and chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 4150-4166.	1.6	381
103	Chronology and shock history of the Bencubbin meteorite: A nitrogen, noble gas, and Arâ€“Ar investigation of silicates, metal and fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6636-6653.	1.6	17
104	Kronos: exploring the depths of Saturn with probes and remote sensing through an international mission. <i>Experimental Astronomy</i> , 2009, 23, 947-976.	1.6	10
105	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	1.6	77
106	Upper-mantle volatile chemistry at Oldoinyo Lengai volcano and the origin of carbonatites. <i>Nature</i> , 2009, 459, 77-80.	13.7	129
107	Laser Ablation (193 nm), Purification and Determination of Very Low Concentrations of Solar Wind Nitrogen Implanted in Targets from the GENESIS Spacecraft. <i>Geostandards and Geoanalytical Research</i> , 2009, 33, 183-194.	1.7	6
108	Helium isotopic signature of modern and fossil fluids associated with the Corinth rift fault zone (Greece): Implication for fault connectivity in the lower crust. <i>Chemical Geology</i> , 2009, 266, 67-75.	1.4	34

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109	Xenon isotope constraints on the thermal evolution of the early Earth. <i>Chemical Geology</i> , 2009, 266, 4-9.	1.4	28
110	Nitrogen in peridotite xenoliths: Lithophile behavior and magmatic isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4843-4861.	1.6	60
111	Xenon in Archean barite: Weak decay of $^{130}\text{Ba}$ , mass-dependent isotopic fractionation and implication for barite formation. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 6834-6846.	1.6	86
112	Leftovers from core formation. <i>Nature Geoscience</i> , 2008, 1, 290-291.	5.4	4
113	Helium and Neon Abundances and Compositions in Cometary Matter. <i>Science</i> , 2008, 319, 75-78.	6.0	56
114	Timing of East African Rift development in southern Ethiopia: Implication for mantle plume activity and evolution of topography. <i>Geology</i> , 2008, 36, 167.	2.0	146
115	Carbonaceous cherts of the Barberton Greenstone Belt, South Africa: Isotopic, chemical and structural characteristics of individual microstructures. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 655-669.	1.6	92
116	Mantle upwellings and convective instabilities revealed by seismic tomography and helium isotope geochemistry beneath eastern Africa. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	44
117	Noble gas signature of the Late Heavy Bombardment in the Earth's atmosphere. <i>Earth</i> , 2007, 2, 43-49.	0.8	29
118	Comet 81P/Wild 2 Under a Microscope. <i>Science</i> , 2006, 314, 1711-1716.	6.0	848
119	Noble gases in the Martian meteorite Northwest Africa 2737: A new chassignite signature. <i>Meteoritics and Planetary Science</i> , 2006, 41, 739-748.	0.7	12
120	Fast chemical and isotopic exchange of nitrogen during reaction with hot molybdenum. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	13
121	Building of a Habitable Planet. , 2006, , 97-151.		1
122	Cosmogenic $^3\text{He}$ production rates revisited from evidences of grain size dependent release of matrix-sited helium. <i>Earth and Planetary Science Letters</i> , 2006, 247, 222-234.	1.8	56
123	How many mantle plumes in Africa? The geochemical point of view. <i>Chemical Geology</i> , 2006, 226, 100-114.	1.4	189
124	Sub-lithospheric source for Quaternary alkaline Tepi shield, southwest Ethiopia. <i>Geochemical Journal</i> , 2006, 40, 47-56.	0.5	5
125	18. Water in the Early Earth. , 2006, , 421-450.		4
126	Water in the Early Earth. <i>Reviews in Mineralogy and Geochemistry</i> , 2006, 62, 421-450.	2.2	75

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127	Isotopic Compositions of Cometary Matter Returned by Stardust. <i>Science</i> , 2006, 314, 1724-1728.	6.0	343
128	3. Solar System Formation and Early Evolution: the First 100 Million Years. <i>Earth, Moon and Planets</i> , 2006, 98, 39-95.	0.3	64
129	4. Building of a Habitable Planet. <i>Earth, Moon and Planets</i> , 2006, 98, 97-151.	0.3	30
130	PLANETARY SCIENCE: The Primordial Porridge. <i>Science</i> , 2006, 312, 706-707.	6.0	2
131	Neon isotopes constrain convection and volatile origin in the Earth's mantle. <i>Nature</i> , 2005, 433, 33-38.	13.7	145
132	Volatile abundances in the sub-arc mantle: insights from volcanic and hydrothermal gas discharges. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 140, 205-216.	0.8	65
133	Nitrogen and noble gases in micrometeorites. <i>Meteoritics and Planetary Science</i> , 2005, 40, 881-894.	0.7	25
134	Petrology, geochemistry, and cosmic-ray exposure age of Iherzolithic shergottite Northwest Africa 1950. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1175-1184.	0.7	52
135	Nitrogen isotopic composition of ammoniated phyllosilicates: case studies from Precambrian metamorphosed sedimentary rocks. <i>Chemical Geology</i> , 2005, 216, 37-58.	1.4	86
136	Interlayer trapping of noble gases in insoluble organic matter of primitive meteorites. <i>Earth and Planetary Science Letters</i> , 2005, 236, 569-578.	1.8	25
137	Geochemical constraints on mantle dynamics in the Hadean. <i>Earth and Planetary Science Letters</i> , 2005, 238, 17-30.	1.8	45
138	High $^3\text{He}/^4\text{He}$ ratios in peridotite xenoliths from SW Japan revisited: Evidence for cosmogenic $^3\text{He}$ released by vacuum crushing. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	49
139	Clues from Fe Isotope Variations on the Origin of Early Archean BIFs from Greenland. <i>Science</i> , 2004, 306, 2077-2080.	6.0	254
140	Osmium, sulphur, and helium isotopic results from the giant Neoproterozoic epithermal Imiter silver deposit, Morocco: evidence for a mantle source. <i>Chemical Geology</i> , 2004, 207, 59-79.	1.4	64
141	A determination of the neon isotopic composition of the deep mantle. <i>Earth and Planetary Science Letters</i> , 2004, 225, 77-88.	1.8	116
142	The cosmic molybdenum-ruthenium isotope correlation. <i>Earth and Planetary Science Letters</i> , 2004, 226, 465-475.	1.8	159
143	Protosolar Carbon Isotopic Composition: Implications for the Origin of Meteoritic Organics. <i>Astrophysical Journal</i> , 2004, 600, 480-484.	1.6	52
144	Nitrogen Isotopic Analyses at the Sub-Picomole Level Using an Ultralow Blank Laser Extraction Technique. , 2004, , 361-374.		10

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145	Title is missing!. Space Science Reviews, 2003, 106, 175-196.	3.7	35
146	Geochemical evidence for efficient aquifer isolation over geological timeframes. Nature, 2003, 425, 55-58.	13.7	63
147	Nitrogen isotopic composition of macromolecular organic matter in interplanetary dust particles. Geochimica Et Cosmochimica Acta, 2003, 67, 3773-3783.	1.6	68
148	Nitrogen solubility in basaltic melt. Part I. Effect of oxygen fugacity. Geochimica Et Cosmochimica Acta, 2003, 67, 4123-4135.	1.6	153
149	The nitrogen record of crust-mantle interaction and mantle convection from Archean to Present. Earth and Planetary Science Letters, 2003, 206, 397-410.	1.8	201
150	Volatiles (nitrogen, noble gases) in recently discovered SNC meteorites, extinct radioactivities and evolution. Earth and Planetary Science Letters, 2003, 214, 27-42.	1.8	28
151	Stability of the Upper Nile drainage network (Ethiopia) deduced from (U-Th)/He thermochronometry: implications for uplift and erosion of the Afar plume dome. Earth and Planetary Science Letters, 2003, 215, 73-88.	1.8	208
152	Nitrogen isotopic compositions of the present mantle and the Archean biosphere. Reply to comment by Pierre Cartigny and Magali Ader. Earth and Planetary Science Letters, 2003, 216, 433-439.	1.8	16
153	Nitrogen Isotopes on the Moon: Archives of the Solar and Planetary Contributions to the Inner Solar System. Space Sciences Series of ISSI, 2003, , 175-196.	0.0	1
154	Molybdenum Evidence for Inherited Planetary Scale Isotope Heterogeneity of the Protosolar Nebula. Astrophysical Journal, 2002, 565, 640-644.	1.6	186
155	Molybdenum Nucleosynthetic Dichotomy Revealed in Primitive Meteorites. Astrophysical Journal, 2002, 569, L139-L142.	1.6	98
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