

William F Mcdonough

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1990331/publications.pdf>

Version: 2024-02-01

180
papers

40,722
citations

13827

67
h-index

4628

170
g-index

194
all docs

194
docs citations

194
times ranked

14659
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying Earth's radiogenic heat budget. <i>Earth and Planetary Science Letters</i> , 2022, 593, 117684.	1.8	6
2	K, Th, U, and Radiogenic Heat Production. , 2021, , 198-205.		0
3	Understanding the Lunar Nearsideâ€“Farside Dichotomy via In Situ Trace Element Measurements: The Scientific Framework of a Prospective Landed Mission. <i>Planetary Science Journal</i> , 2021, 2, 80.	1.5	2
4	Earth and Mars â€“ Distinct inner solar system products. <i>Chemie Der Erde</i> , 2021, 81, 125746.	0.8	13
5	Terrestrial planet compositions controlled by accretion disk magnetic field. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	12
6	Variable refractory lithophile element compositions of planetary building blocks: Insights from components of enstatite chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 173-187.	1.6	4
7	A Geochemical Review of Amphibolite, Granulite, and Eclogite Facies Lithologies: Perspectives on the Deep Continental Crust. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022791.	1.4	10
8	K/U of the MORB Source and Silicate Earth. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020245.	1.4	6
9	Radiogenic Power and Geoneutrino Luminosity of the Earth and Other Terrestrial Bodies Through Time. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008865.	1.0	14
10	Lower Crustal Composition in the Southwestern United States. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019011.	1.4	11
11	The composition of Mars. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 137-162.	1.6	116
12	Reference Models for Lithospheric Geoneutrino Signal. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018433.	1.4	13
13	A prospective microwave plasma source for <i>in situ</i> spaceflight applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2740-2747.	1.6	8
14	Studies of MCP-PMTs in the miniTimeCube neutrino detector. <i>AIP Advances</i> , 2018, 8, 095003.	0.6	2
15	Earth's chondritic Th/U: Negligible fractionation during accretion, core formation, and crustâ€“mantle differentiation. <i>Earth and Planetary Science Letters</i> , 2018, 498, 196-202.	1.8	37
16	Earthâ€™s Core. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 418-429.	0.1	0
17	Geoneutrinos. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 589-591.	0.1	0
18	A statistical assessment of seismic models of the U.S. continental crust using Bayesian inversion of ambient noise surface wave dispersion data. <i>Tectonics</i> , 2017, 36, 1232-1253.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Nd and Sm isotopic composition of spent nuclear fuels from three material test reactors. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 801-808.	0.7	5
20	Multi-mode Li diffusion in natural zircons: Evidence for diffusion in the presence of step-function concentration boundaries. <i>Earth and Planetary Science Letters</i> , 2017, 474, 110-119.	1.8	43
21	Experimental determination of partitioning in the Fe-Ni system for applications to modeling meteoritic metals. <i>Meteoritics and Planetary Science</i> , 2017, 52, 1133-1145.	0.7	34
22	Perceiving the Crust in 3D: A Model Integrating Geological, Geochemical, and Geophysical Data. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4326-4341.	1.0	10
23	Europium and strontium anomalies in the MORB source mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 197, 132-141.	1.6	20
24	Subterranean production of neutrons, ³⁹ Ar and ²¹ Ne: Rates and uncertainties. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 370-387.	1.6	25
25	Earth's Core. <i>Encyclopedia of Earth Sciences Series</i> , 2017, , 1-13.	0.1	2
26	Invited Article: miniTimeCube. <i>Review of Scientific Instruments</i> , 2016, 87, 021301.	0.6	8
27	Evidence for high-temperature fractionation of lithium isotopes during differentiation of the Moon. <i>Meteoritics and Planetary Science</i> , 2016, 51, 1046-1062.	0.7	14
28	Primordial metallic melt in the deep mantle. <i>Geophysical Research Letters</i> , 2016, 43, 3693-3699.	1.5	35
29	Neutrino physics with JUNO. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 030401.	1.4	750
30	Revealing the Earth's mantle from the tallest mountains using the Jinping Neutrino Experiment. <i>Scientific Reports</i> , 2016, 6, 33034.	1.6	23
31	Potential of geo-neutrino measurements at JUNO. <i>Chinese Physics C</i> , 2016, 40, 033003.	1.5	16
32	Geoneutrinos and reactor antineutrinos at SNO+. <i>Journal of Physics: Conference Series</i> , 2016, 718, 062003.	0.3	6
33	Compositional evolution of the upper continental crust through time, as constrained by ancient glacial diamictites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 186, 316-343.	1.6	98
34	Geoneutrinos. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-4.	0.1	1
35	Determination of Ga, Ge, Mo, Ag, Cd, In, Sn, Sb, W, Tl and Bi in USGS Whole-Rock Reference Materials by Standard Addition ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2015, 39, 371-379.	1.7	20
36	AGM2015: Antineutrino Global Map 2015. <i>Scientific Reports</i> , 2015, 5, 13945.	1.6	16

#	ARTICLE	IF	CITATIONS
37	Presentation of the Mineralogical Society of America Award for 2014 to Fang-Zhen Teng. <i>American Mineralogist</i> , 2015, 100, 1317-1317.	0.9	0
38	Europium anomalies constrain the mass of recycled lower continental crust. <i>Geology</i> , 2015, 43, 703-706.	2.0	37
39	Processes controlling ^{7}Li in rivers illuminated by study of streams and groundwaters draining basalts. <i>Earth and Planetary Science Letters</i> , 2015, 409, 212-224.	1.8	78
40	Expected geoneutrino signal at JUNO. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	1.1	13
41	Elemental fractionation during condensation of plasma plumes generated by laser ablation: a ToF-SIMS study of condensate blankets. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2316-2322.	1.6	2
42	Bold frontier in Chinese geoscience. <i>Science Bulletin</i> , 2015, 60, 1628-1630.	4.3	0
43	Rapid analysis of trinitite with nuclear forensic applications for post-detonation material analyses. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 57-67.	0.7	25
44	EH3 matrix mineralogy with major and trace element composition compared to chondrules. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2219-2240.	0.7	15
45	How Did Early Earth Become Our Modern World?. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 151-178.	4.6	82
46	High-precision measurement of Eu/Eu^* in geological glasses via LA-ICP-MS analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1835-1843.	1.6	7
47	Onset of oxidative weathering of continents recorded in the geochemistry of ancient glacial diamictites. <i>Earth and Planetary Science Letters</i> , 2014, 408, 87-99.	1.8	59
48	Neutrino geoscience, news in brief. <i>Environmental Earth Sciences</i> , 2014, 71, 3787-3791.	1.3	6
49	Massive magnesium depletion and isotope fractionation in weathered basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 135, 336-349.	1.6	116
50	Regional study of the Archean to Proterozoic crust at the Sudbury Neutrino Observatory (SNO+), Ontario: Predicting the geoneutrino flux. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3925-3944.	1.0	17
51	Volume Editor's Introduction. , 2014, , xxiii-xxvii.		0
52	A Synthesis of Instrumental Analytical Techniques for Examination of the Thermal History of Pallasite Meteorites. <i>Microscopy and Microanalysis</i> , 2014, 20, 1690-1691.	0.2	0
53	Geo-neutrinos. <i>Progress in Particle and Nuclear Physics</i> , 2013, 73, 1-34.	5.6	24
54	High resolution coral Cd measurements using LA-ICP-MS and ID-ICP-MS: Calibration and interpretation. <i>Chemical Geology</i> , 2013, 356, 151-159.	1.4	14

#	ARTICLE	IF	CITATIONS
55	Simplified mantle architecture and distribution of radiogenic power. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2265-2285.	1.0	26
56	Metallic phases and siderophile elements in main group ureilites: Implications for ureilite petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 112, 340-373.	1.6	37
57	Influence of chemical weathering on the composition of the continental crust: Insights from Li and Nd isotopes in bauxite profiles developed on Columbia River Basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 115, 73-91.	1.6	95
58	The role of climate in the accumulation of lithium-rich brine in the Central Andes. <i>Applied Geochemistry</i> , 2013, 38, 92-102.	1.4	86
59	A reference Earth model for the heat-producing elements and associated geoneutrino flux. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2003-2029.	1.0	156
60	Geophysical and geochemical constraints on geoneutrino fluxes from Earth's mantle. <i>Earth and Planetary Science Letters</i> , 2013, 361, 356-366.	1.8	88
61	Geoneutrinos. <i>Advances in High Energy Physics</i> , 2012, 2012, 1-34.	0.5	10
62	Towards a refined reference Earth model for geo-neutrinos. <i>Journal of Physics: Conference Series</i> , 2012, 375, 042041.	0.3	1
63	Chemical heterogeneity in the upper mantle recorded by peridotites and chromitites from the Shetland Ophiolite Complex, Scotland. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 226-237.	1.8	77
64	Experimental constraints on the partitioning of Ru, Rh, Ir, Pt and Pd between chromite and silicate melt: The importance of ferric iron. <i>Chemical Geology</i> , 2012, 302-303, 16-32.	1.4	131
65	Cause of the chalcophile trace element enrichments marking the Holocene to Anthropocene transition in northern Chesapeake Bay sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 82, 79-91.	1.6	8
66	Origin of felsic achondrites Graves Nunataks 06128 and 06129, and ultramafic brachinites and brachinite-like achondrites by partial melting of volatile-rich primitive parent bodies. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 81, 94-128.	1.6	91
67	The many uses of electron antineutrinos. <i>Physics Today</i> , 2012, 65, 46-51.	0.3	9
68	Trace element partitioning between majoritic garnet and silicate melt at 10–17 GPa: Implications for deep mantle processes. <i>Lithos</i> , 2012, 148, 128-141.	0.6	36
69	Peer-review 2011. <i>Geostandards and Geoanalytical Research</i> , 2012, 36, 5-6.	1.7	1
70	The next-generation liquid-scintillator neutrino observatory LENA. <i>Astroparticle Physics</i> , 2012, 35, 685-732.	1.9	181
71	Meteoritic Clues Point Chromium Toward Earth's Core. <i>Science</i> , 2011, 331, 1397-1398.	6.0	5
72	Mineral-fluid partitioning of lithium and implications for slab-mantle interaction. <i>Chemical Geology</i> , 2011, 280, 384-398.	1.4	40

#	ARTICLE	IF	CITATIONS
73	The behavior of lithium in amphibolite- to granulite-facies rocks of the Ivrea-Verbano Zone, NW Italy. <i>Chemical Geology</i> , 2011, 289, 76-85.	1.4	41
74	Seawater nutrient and carbonate ion concentrations recorded as P/Ca, Ba/Ca, and U/Ca in the deep-sea coral <i>Desmophyllum dianthus</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2529-2543.	1.6	78
75	Trace element partitioning in the Fe-S-C system and its implications for planetary differentiation and the thermal history of ureilites. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6570-6583.	1.6	26
76	Group IVA irons: New constraints on the crystallization and cooling history of an asteroidal core with a complex history. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6821-6843.	1.6	76
77	A lithium isotopic study of sub-greenschist to greenschist facies metamorphism in an accretionary prism, New Zealand. <i>Earth and Planetary Science Letters</i> , 2011, 301, 213-221.	1.8	41
78	Thermal history and origin of the Tanzanian Craton from Pb isotope thermochronology of feldspars from lower crustal xenoliths. <i>Earth and Planetary Science Letters</i> , 2011, 301, 493-501.	1.8	26
79	Partitioning behavior at 9GPa in the Fe-S system and implications for planetary evolution. <i>Earth and Planetary Science Letters</i> , 2011, 305, 425-434.	1.8	16
80	Pd and Ag metal-silicate partitioning applied to Earth differentiation and core-mantle exchange. <i>Meteoritics and Planetary Science</i> , 2011, 46, 199-217.	0.7	14
81	In Situ Determination of First-Row Transition Metal, Ga and Ge Abundances in Geological Materials via Medium-Resolution LA-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 253-273.	1.7	17
82	GSD-1G and MPI-DING Reference Glasses for In Situ and Bulk Isotopic Determination. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 193-226.	1.7	122
83	Evolution of the lithospheric mantle beneath the East African Rift in Tanzania and its potential signatures in rift magmas. , 2011, , .		21
84	Trace element partitioning between high-An plagioclase and basaltic to basaltic andesite melt at 1 atmosphere pressure. <i>Lithos</i> , 2010, 118, 82-94.	0.6	52
85	GGR Biennial Review: Advances in Laser Ablation and Solution ICP-MS from 2008 to 2009 with Particular Emphasis on Sensitivity Enhancements, Mitigation of Fractionation Effects and Exploration of New Applications. <i>Geostandards and Geoanalytical Research</i> , 2010, 34, 327-341.	1.7	14
86	GGR Critical Review of Analytical Developments in 2008-2009: An Introduction. <i>Geostandards and Geoanalytical Research</i> , 2010, 34, 325-326.	1.7	1
87	Formation of pyroxenite layers in the Totalp ultramafic massif (Swiss Alps) - Insights from highly siderophile elements and Os isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 661-683.	1.6	63
88	Chemical variations and regional diversity observed in MORB. <i>Chemical Geology</i> , 2010, 271, 70-85.	1.4	313
89	Origin of kamacite, schreibersite, and perryite in metal-sulfide nodules of the enstatite chondrite Sahara 97072 (EH3). <i>Meteoritics and Planetary Science</i> , 2010, 45, 289-303.	0.7	50
90	Effect of silicon on trace element partitioning in iron-bearing metallic melts. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1243-1257.	0.7	26

#	ARTICLE	IF	CITATIONS
91	ATM-mediated Transcriptional Elevation of Prion in Response to Copper-induced Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2009, 284, 4582-4593.	1.6	33
92	Geo-neutrino Observation. , 2009, , .		0
93	Sediment profiles of less commonly determined elements measured by Laser Ablation ICP-MS. <i>Marine Pollution Bulletin</i> , 2009, 59, 182-192.	2.3	28
94	Insights into Li and Li isotope cycling and sub-arc metasomatism from veined mantle xenoliths, Kamchatka. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 197-222.	1.2	79
95	Early formation of evolved asteroidal crust. <i>Nature</i> , 2009, 457, 179-182.	13.7	81
96	Day et al. reply. <i>Nature</i> , 2009, 459, E2-E2.	13.7	5
97	Core formation and metal-silicate fractionation of osmium and iridium from gold. <i>Nature Geoscience</i> , 2009, 2, 798-801.	5.4	98
98	The K/U ratio of the silicate Earth: Insights into mantle composition, structure and thermal evolution. <i>Earth and Planetary Science Letters</i> , 2009, 278, 361-369.	1.8	202
99	Rhenium-osmium isotopes and platinum-group elements in the Rum Layered Suite, Scotland: Implications for Cr-spinel seam formation and the composition of the Iceland mantle anomaly. <i>Earth and Planetary Science Letters</i> , 2009, 286, 41-51.	1.8	41
100	Trace element partitioning between garnet lherzolite and carbonatite at 6.6 and 8.6 GPa with applications to the geochemistry of the mantle and of mantle-derived melts. <i>Chemical Geology</i> , 2009, 262, 57-77.	1.4	231
101	Lithium isotopic systematics of A-type granites and their mafic enclaves: Further constraints on the Li isotopic composition of the continental crust. <i>Chemical Geology</i> , 2009, 262, 370-379.	1.4	91
102	The iron-nickel-phosphorus system: Effects on the distribution of trace elements during the evolution of iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2674-2691.	1.6	35
103	Tungsten in Hawaiian picrites: A compositional model for the sources of Hawaiian lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4517-4530.	1.6	15
104	Li and ^7Li in mudrocks from the British Caledonides: Metamorphism and source influences. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 7325-7340.	1.6	47
105	Electrochemical Isotope Effect and Lithium Isotope Separation. <i>Journal of the American Chemical Society</i> , 2009, 131, 9904-9905.	6.6	55
106	An investigation of the behavior of Cu and Cr during iron meteorite crystallization. <i>Meteoritics and Planetary Science</i> , 2009, 44, 505-519.	0.7	34
107	Deducing a reducing mantle. <i>Nature</i> , 2008, 455, 881-883.	13.7	0
108	Sodic Pyroxene and Sodic Amphibole as Potential Reference Materials for <i>In Situ</i> Lithium Isotope Determinations by SIMS. <i>Geostandards and Geoanalytical Research</i> , 2008, 32, 295-310.	1.7	16

#	ARTICLE	IF	CITATIONS
109	Geoneutrino Measurements and Models Investigate Deep Earth. <i>Eos</i> , 2008, 89, 433.	0.1	2
110	Tracking the lithium isotopic evolution of the mantle using carbonatites. <i>Earth and Planetary Science Letters</i> , 2008, 265, 726-742.	1.8	86
111	Tungsten geochemistry and implications for understanding the Earth's interior. <i>Earth and Planetary Science Letters</i> , 2008, 272, 656-665.	1.8	125
112	Metal-silicate partitioning and constraints on core composition and oxygen fugacity during Earth accretion. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 574-589.	1.6	160
113	Modeling fractional crystallization of group IVB iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2198-2216.	1.6	136
114	Upwelling, species, and depth effects on coral skeletal cadmium-to-calcium ratios (Cd/Ca). <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4537-4550.	1.6	36
115	The Fe-C system at 5GPa and implications for Earth's core. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4146-4158.	1.6	48
116	Lithium isotopic composition and concentration of the deep continental crust. <i>Chemical Geology</i> , 2008, 255, 47-59.	1.4	98
117	Experiments and Models Bearing on the Role of Chromite as a Collector of Platinum Group Minerals by Local Reduction. <i>Journal of Petrology</i> , 2008, 49, 1647-1665.	1.1	159
118	Formation of replacement dolomite in the Latemar carbonate buildup, Dolomites, northern Italy: Part 1. Field relations, mineralogy, and geochemistry. <i>Numerische Mathematik</i> , 2008, 308, 851-884.	0.7	39
119	Uncertainties in the composition of Earth, its core and silicate sphere. <i>Journal of Physics: Conference Series</i> , 2008, 136, 022006.	0.3	13
120	Mapping the Earth's Engine. <i>Science</i> , 2007, 317, 1177-1178.	6.0	4
121	Effects of Mother Lode-Type Gold Mineralization on 187Os/188Os and Platinum Group Element Concentrations in Peridotite: Alleghany District, California. <i>Economic Geology</i> , 2007, 102, 1079-1089.	1.8	4
122	The Li isotopic composition of Oldoinyo Lengai: Nature of the mantle sources and lack of isotopic fractionation during carbonatite petrogenesis. <i>Earth and Planetary Science Letters</i> , 2007, 254, 77-89.	1.8	66
123	How much potassium is in the Earth's core? New insights from partitioning experiments. <i>Earth and Planetary Science Letters</i> , 2007, 256, 567-576.	1.8	81
124	Limited lithium isotopic fractionation during progressive metamorphic dehydration in metapelites: A case study from the Onawa contact aureole, Maine. <i>Chemical Geology</i> , 2007, 239, 1-12.	1.4	71
125	The effect of Ni on element partitioning during iron meteorite crystallization. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1735-1750.	0.7	26
126	Li-Sr-Nd isotope signatures of the plume and cratonic lithospheric mantle beneath the margin of the rifted Tanzanian craton (Labait). <i>Contributions To Mineralogy and Petrology</i> , 2007, 155, 79-92.	1.2	71

#	ARTICLE	IF	CITATIONS
127	Lithium isotopic systematics of granites and pegmatites from the Black Hills, South Dakota. <i>American Mineralogist</i> , 2006, 91, 1488-1498.	0.9	125
128	Effect of melt structure on trace-element partitioning between clinopyroxene and silicic, alkaline, aluminous melts. <i>American Mineralogist</i> , 2006, 91, 1385-1400.	0.9	50
129	Cadmium measurements in coral skeleton using isotope dilution-inductively coupled plasma-mass spectrometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	10
130	Diffusion-driven extreme lithium isotopic fractionation in country rocks of the Tin Mountain pegmatite. <i>Earth and Planetary Science Letters</i> , 2006, 243, 701-710.	1.8	208
131	Experimental partitioning of uranium between liquid iron sulfide and liquid silicate: Implications for radioactivity in the Earth's core. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1537-1547.	1.6	50
132	Determination of the lithium isotopic composition of planktic foraminifera and its application as a paleo-seawater proxy. <i>Marine Geology</i> , 2005, 217, 255-265.	0.9	63
133	Ghosts from within. <i>Nature</i> , 2005, 436, 467-468.	13.7	6
134	Kimberlite petrogenesis: Insights from clinopyroxene-melt partitioning experiments at 6 GPa in the CaO-MgO-Al ₂ O ₃ -SiO ₂ -CO ₂ system. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2829-2845.	1.6	59
135	¹⁸⁷ Os- ¹⁸⁶ Os systematics of Os-Ir-Ru alloy grains from southwestern Oregon. <i>Earth and Planetary Science Letters</i> , 2005, 230, 211-226.	1.8	70
136	An experimental study of the solubility and partitioning of iridium, osmium and gold between olivine and silicate melt. <i>Earth and Planetary Science Letters</i> , 2005, 237, 855-872.	1.8	168
137	Late-Stage Mafic Injection and Thermal Rejuvenation of the Vinalhaven Granite, Coastal Maine. <i>Journal of Petrology</i> , 2004, 45, 2133-2153.	1.1	71
138	Petrology and geochemistry of spinel peridotite xenoliths from Hannuoba and Qixia, North China craton. <i>Lithos</i> , 2004, 77, 609-637.	0.6	505
139	Lithium isotopic composition and concentration of the upper continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4167-4178.	1.6	392
140	Electronic data publication in geochemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	11
141	Extremely light Li in orogenic eclogites: The role of isotope fractionation during dehydration in subducted oceanic crust. <i>Earth and Planetary Science Letters</i> , 2003, 208, 279-290.	1.8	232
142	Experimental constraints on the partitioning of rhenium and some platinum-group elements between olivine and silicate melt. <i>Earth and Planetary Science Letters</i> , 2003, 212, 135-150.	1.8	157
143	Experimental Constraints on the Sulfide- and Chromite-Silicate Melt Partitioning Behavior of Rhenium and Platinum-Group Elements. <i>Economic Geology</i> , 2002, 97, 385-398.	1.8	122
144	Geochemistry of xenolithic eclogites from West Africa, part 2: origins of the high MgO eclogites. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 4325-4345.	1.6	105

#	ARTICLE	IF	CITATIONS
145	Depleted melt inclusions in MORB plagioclase: messages from the mantle or mirages from the magma chamber?. <i>Chemical Geology</i> , 2002, 183, 43-61.	1.4	39
146	Re-Os evidence for replacement of ancient mantle lithosphere beneath the North China craton. <i>Earth and Planetary Science Letters</i> , 2002, 198, 307-322.	1.8	802
147	Re-Os and U-Pb geochronological constraints on the eclogite-tonalite connection in the Archean Man Shield, West Africa. <i>Precambrian Research</i> , 2002, 118, 267-283.	1.2	70
148	Geochemistry of xenolithic eclogites from West Africa, part I: A link between low MgO eclogites and archean crust formation. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1499-1527.	1.6	198
149	A gravimetric K ₂ O/Cl standard: Application to precise and accurate Os spike calibration. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2113-2127.	1.6	37
150	Monazite-Xenotime-Garnet Equilibrium in Metapelites and a New Monazite-Garnet Thermometer. <i>Journal of Petrology</i> , 2001, 42, 2083-2107.	1.1	355
151	The Composition of the Earth. <i>International Geophysics</i> , 2001, 76, 3-23.	0.6	17
152	Supernova Sources and the ⁹² Zr/ ⁹² Nb- ⁹² Zr/ ⁹² Y Process Chronometer. <i>Astrophysical Journal</i> , 2000, 536, L49-L53.	1.6	41
153	The Preparation and Preliminary Characterisation of Eight Geological MPI-DING Reference Glasses for In-Situ Microanalysis. <i>Geostandards and Geoanalytical Research</i> , 2000, 24, 87-133.	1.7	286
154	Rutile-Bearing Refractory Eclogites: Missing Link Between Continents and Depleted Mantle. <i>Science</i> , 2000, 287, 278-281.	6.0	455
155	Petrologic and geochemical investigation of carbonates in peridotite xenoliths from northeastern Tanzania. <i>Contributions To Mineralogy and Petrology</i> , 2000, 139, 470-484.	1.2	75
156	Precise elemental and isotope ratio determination by simultaneous solution nebulization and laser ablation-ICP-MS: application to U-Pb geochronology. <i>Chemical Geology</i> , 2000, 164, 281-301.	1.4	353
157	Tracking the budget of Nb and Ta in the continental crust. <i>Chemical Geology</i> , 2000, 165, 197-213.	1.4	496
158	Thermal structure, thickness and composition of continental lithosphere. <i>Chemical Geology</i> , 1998, 145, 395-411.	1.4	458
159	Contrasting old and young volcanism in Rurutu Island, Austral chain. <i>Chemical Geology</i> , 1997, 139, 125-143.	1.4	133
160	The composition of the Earth. <i>Chemical Geology</i> , 1995, 120, 223-253.	1.4	11,094
161	Comment on "Rubidium and cesium in the Earth and the Moon" by J. H. Jones and M. J. Drake. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 1385-1386.	1.6	4
162	Ferric iron in peridotites and mantle oxidation states. <i>Earth and Planetary Science Letters</i> , 1994, 123, 205-220.	1.8	219

#	ARTICLE	IF	CITATIONS
163	Intraplate origin of komatiites inferred from trace elements in glass inclusions. <i>Nature</i> , 1993, 365, 432-434.	13.7	91
164	Carbonatite metasomatism in the northern Tanzanian mantle: Petrographic and geochemical characteristics. <i>Earth and Planetary Science Letters</i> , 1993, 114, 463-475.	1.8	704
165	Potassium, rubidium, and cesium in the Earth and Moon and the evolution of the mantle of the Earth. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 1001-1012.	1.6	398
166	Distribution of titanium and the rare earth elements between peridotitic minerals. <i>Contributions To Mineralogy and Petrology</i> , 1992, 110, 321-328.	1.2	107
167	Sample contamination explains the Pb isotopic composition of some Rurutu island and Sasha seamount basalts. <i>Earth and Planetary Science Letters</i> , 1991, 105, 397-404.	1.8	48
168	Partial melting of subducted oceanic crust and isolation of its residual eclogitic lithology. <i>Philosophical Transactions of the Royal Society: Physical and Engineering Sciences</i> , 1991, 335, 407-418.	1.0	131
169	Contemporaneous Convergent Margin and Intraplate Magmatism, North Island, New Zealand. <i>Journal of Petrology</i> , 1990, 31, 813-851.	1.1	45
170	Comment on "Abundance and distribution of gallium in some spinel and garnet lherzolites" by D. B. McKay and R. H. Mitchell. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 471-473.	1.6	17
171	Constraints on the composition of the continental lithospheric mantle. <i>Earth and Planetary Science Letters</i> , 1990, 101, 1-18.	1.8	644
172	Chapter 5. RARE EARTH ELEMENTS IN UPPER MANTLE ROCKS. , 1989, , 99-146.		91
173	Chemical and isotopic systematics of oceanic basalts: implications for mantle composition and processes. <i>Geological Society Special Publication</i> , 1989, 42, 313-345.	0.8	13,979
174	Compositional constraints on the continental lithospheric mantle from trace elements in spinel peridotite xenoliths. <i>Nature</i> , 1989, 340, 548-550.	13.7	156
175	Sampling the lithosphere. <i>Nature</i> , 1989, 342, 743-743.	13.7	1
176	The southeast Australian lithospheric mantle: isotopic and geochemical constraints on its growth and evolution. <i>Earth and Planetary Science Letters</i> , 1987, 86, 327-340.	1.8	101
177	Lower crustal xenoliths from Queensland, Australia: Evidence for deep crustal assimilation and fractionation of continental basalts. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 1099-1115.	1.6	136
178	Isotopic and geochemical systematics in Tertiary-Recent basalts from southeastern Australia and implications for the evolution of the sub-continental lithosphere. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 2051-2067.	1.6	221
179	The reinterpretation of Leone lake sediments as a pyroclastic surge deposit and its tectonic significance. <i>Journal of Volcanology and Geothermal Research</i> , 1984, 20, 101-115.	0.8	4
180	Geochemical constraints on magma processes in a peralkaline system: The Paisano volcano, west Texas. <i>Geochimica Et Cosmochimica Acta</i> , 1984, 48, 2443-2455.	1.6	15