Richard J Walker

List of Publications by Year
in descending order

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226 papers	21,091 citations	7568 77 h-index	10734 138 g-index
229 all docs	229 docs citations	229 times ranked	6006 citing authors

#	Article	IF	Citations
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. Science, 2023, 379, .	12.6	97
2	Chemical characteristics of iron meteorite parent bodies. Geochimica Et Cosmochimica Acta, 2022, 318, 112-125.	3.9	23
3	The komatiite testimony to ancient mantle heterogeneity. Chemical Geology, 2022, 594, 120776.	3.3	13
4	Combined Lithophileâ€Siderophile Isotopic Constraints on Hadean Processes Preserved in Ocean Island Basalt Sources. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009479.	2.5	15
5	Tungsten-182 evidence for an ancient kimberlite source. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
6	Meter-Scale Chemical and Isotopic Heterogeneities in the Oceanic Mantle, Leka Ophiolite Complex, Norway. Journal of Petrology, 2021, 62, .	2.8	5
7	Anomalous 182W in high 3He/4He ocean island basalts: Fingerprints of Earthâ€™s core?. Geochimica Et Cosmochimica Acta, 2020, 271, 194-211.	3.9	87
8	Ultra-depleted 2.05ÂGa komatiites of Finnish Lapland: Products of grainy late accretion or core-mantle interaction?. Chemical Geology, 2020, 554, 119801.	3.3	31
9	Genetics, age and crystallization history of group IIC iron meteorites. Geochimica Et Cosmochimica Acta, 2020, 288, 36-50.	3.9	20
10	Tungsten Isotope Composition of Archean Crustal Reservoirs and Implications for Terrestrial Î¼¹⁸²W Evolution. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009155.	2.5	20
11	A compositionally heterogeneous martian mantle due to late accretion. Science Advances, 2020, 6, eaay2338.	10.3	24
12	Origin and age of metal veins in Canyon Diablo graphite nodules. Meteoritics and Planetary Science, 2020, 55, 771-780.	1.6	0
13	New implications for the origin of the IAB main group iron meteorites and the isotopic evolution of the noncarbonaceous (NC) reservoir. Earth and Planetary Science Letters, 2020, 540, 116248.	4.4	14
14	Crystallization histories of the group IIF iron meteorites and Eagle Station pallasites. Meteoritics and Planetary Science, 2020, 55, 2570-2586.	1.6	13
15	The origin of the unique achondrite Northwest Africa 6704: Constraints from petrology, chemistry and Reâ€“Os, O and Ti isotope systematics. Geochimica Et Cosmochimica Acta, 2019, 245, 597-627.	3.9	41
16	Temporal evolution of primordial tungsten-182 and 3He/4He signatures in the Iceland mantle plume. Chemical Geology, 2019, 525, 245-259.	3.3	50
17	The roles of mechanical mixing and fluid transport in the formation of reaction zones in subduction-related mÃ©lange: Evidence from highly siderophile elements. Chemical Geology, 2019, 525, 96-111.	3.3	9
18	Characteristics of the lithospheric mantle beneath northeastern Borborema Province, Brazil: Reâ€“Os and HSE constraints on peridotite xenoliths. Journal of South American Earth Sciences, 2019, 96, 102371.	1.4	2

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19	Highly siderophile element and 187 Reâ€•187 Os isotopic systematics of ungrouped achondrite Northwest Africa 7325: Evidence for complex planetary processes. Meteoritics and Planetary Science, 2019, 54, 1042-1050.	1.6	3
20	Genetics, crystallization sequence, and age of the South Byron Trio iron meteorites: New insights to carbonaceous chondrite (CC) type parent bodies. Geochimica Et Cosmochimica Acta, 2019, 251, 217-228.	3.9	27
21	Chemical Separation of Tungsten and Other Trace Elements for <scp>TIMS</scp> Isotope Ratio Measurements Using Organic Acids. Geostandards and Geoanalytical Research, 2019, 43, 245-259.	3.1	16
22	Destruction of the North China Craton in the Mesozoic. Annual Review of Earth and Planetary Sciences, 2019, 47, 173-195.	11.0	428
23	Siderophile element constraints on the thermal history of the H chondrite parent body. Geochimica Et Cosmochimica Acta, 2019, 245, 556-576.	3.9	12
24	New insights into Mo and Ru isotope variation in the nebula and terrestrial planet accretionary genetics. Earth and Planetary Science Letters, 2018, 487, 221-229.	4.4	70
25	Rapid effects of terrestrial alteration on highly siderophile elements in the Sutter's Mill meteorite. Meteoritics and Planetary Science, 2018, 53, 1500-1506.	1.6	12
26	Tracking Hadean processes in modern basalts with 142-Neodymium. Earth and Planetary Science Letters, 2018, 484, 184-191.	4.4	39
27	Length-scales of chemical and isotopic heterogeneity in the mantle section of the Shetland Ophiolite Complex, Scotland. Earth and Planetary Science Letters, 2018, 488, 144-154.	4.4	17
28	182W and HSE constraints from 2.7â€‰Ga komatiites on the heterogeneous nature of the Archean mantle. Geochimica Et Cosmochimica Acta, 2018, 228, 1-26.	3.9	48
29	Heterogeneous delivery of silicate and metal to the Earth by large planetesimals. Nature Geoscience, 2018, 11, 77-81.	12.9	67
30	Excess 180W in IIAB iron meteorites: Identification of cosmogenic, radiogenic, and nucleosynthetic components. Earth and Planetary Science Letters, 2018, 503, 29-36.	4.4	4
31	Tungsten-182 in the upper continental crust: Evidence from glacial diamictites. Chemical Geology, 2018, 494, 144-152.	3.3	40
32	High-precision analysis of 182 W/ 184 W and 183 W/ 184 W by negative thermal ionization mass spectrometry: Per-integration oxide corrections using measured 18 O/ 16 O. International Journal of Mass Spectrometry, 2017, 414, 80-86.	1.5	45
33	Characterizing cosmochemical materials with genetic affinities to the Earth: Genetic and chronological diversity within the IAB iron meteorite complex. Earth and Planetary Science Letters, 2017, 467, 157-166.	4.4	66
34	Tungsten Isotopes in Planets. Annual Review of Earth and Planetary Sciences, 2017, 45, 389-417.	11.0	78
35	Tungsten-182 heterogeneity in modern ocean island basalts. Science, 2017, 356, 66-69.	12.6	171
36	186Osâ€“187Os and highly siderophile element abundance systematics of the mantle revealed by abyssal peridotites and Os-rich alloys. Geochimica Et Cosmochimica Acta, 2017, 200, 232-254.	3.9	104

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37	The ruthenium isotopic composition of the oceanic mantle. Earth and Planetary Science Letters, 2017, 474, 466-473.	4.4	18
38	Identification of mantle peridotite as a possible Iapetan ophiolite sliver in south Shetland, Scottish Caledonides. Journal of the Geological Society, 2017, 174, 88-92.	2.1	8
39	Refinement of high precision Ru isotope analysis using negative thermal ionization mass spectrometry. International Journal of Mass Spectrometry, 2016, 403, 15-26.	1.5	21
40	Highly Siderophile Elements in Earth, Mars, the Moon, and Asteroids. , 2016, , 161-238.		7
41	Preservation of Earth-forming events in the tungsten isotopic composition of modern flood basalts. Science, 2016, 352, 809-812.	12.6	130
42	Osmium. Encyclopedia of Earth Sciences Series, 2016, , 1-3.	0.1	0
43	High-precision molybdenum isotope analysis by negative thermal ionization mass spectrometry. International Journal of Mass Spectrometry, 2016, 407, 51-61.	1.5	20
44	Use of Hydrofluoric Acid Desilicification in the Determination of Highly Siderophile Element Abundances and Reâ€Ptâ€Os Isotope Systematics in Maficâ€Ultramafic Rocks. Geostandards and Geoanalytical Research, 2016, 40, 49-65.	3.1	54
45	Siderophile element systematics of IAB complex iron meteorites: New insights into the formation of an enigmatic group. Geochimica Et Cosmochimica Acta, 2016, 188, 261-283.	3.9	27
46	Platinum-group element abundances and Reâ€“Os isotopic systematics of the upper continental crust through time: Evidence from glacial diamictites. Geochimica Et Cosmochimica Acta, 2016, 191, 1-16.	3.9	61
47	The coupled ¹⁸²Wâ€¹⁴²Nd record of early terrestrial mantle differentiation. Geochemistry, Geophysics, Geosystems, 2016, 17, 2168-2193.	2.5	87
48	Widespread tungsten isotope anomalies and W mobility in crustal and mantle rocks of the Eoarchean Saglek Block, northern Labrador, Canada: Implications for early Earth processes and W recycling. Earth and Planetary Science Letters, 2016, 448, 13-23.	4.4	51
49	High-Precision Tungsten Isotopic Analysis by Multicollection Negative Thermal Ionization Mass Spectrometry Based on Simultaneous Measurement of W and ¹⁸O/¹⁶O Isotope Ratios for Accurate Fractionation Correction. Analytical Chemistry, 2016, 88, 1542-1546.	6.5	18
50	Lithophile and siderophile element systematics of Earthâ€™s mantle at the Archeanâ€“Proterozoic boundary: Evidence from 2.4 Ga komatiites. Geochimica Et Cosmochimica Acta, 2016, 180, 227-255.	3.9	73
51	Highly Siderophile Elements in Earth, Mars, the Moon, and Asteroids. Reviews in Mineralogy and Geochemistry, 2016, 81, 161-238.	4.8	115
52	Nucleosynthetic Isotope Variations of Siderophile and Chalcophile Elements in the Solar System. Reviews in Mineralogy and Geochemistry, 2016, 81, 107-160.	4.8	25
53	Early Earth differentiation investigated through 142Nd, 182W, and highly siderophile element abundances in samples from Isua, Greenland. Geochimica Et Cosmochimica Acta, 2016, 175, 319-336.	3.9	84
54	Siderophile Elements in Tracing Planetary Formation and Evolution. Geochemical Perspectives, 2016, 5, 1-145.	4.5	39

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55	Rhenium-Osmium Isotope System. Encyclopedia of Earth Sciences Series, 2016, , 1-5.	0.1	0
56	Estimation of trace element concentrations in the lunar magma ocean using mineralâ€•and metalâ€silicate melt partition coefficients. Meteoritics and Planetary Science, 2015, 50, 733-758.	1.6	12
57	Highly siderophile element depletion in the Moon. Earth and Planetary Science Letters, 2015, 423, 114-124.	4.4	94
58	In search of late-stage planetary building blocks. Chemical Geology, 2015, 411, 125-142.	3.3	61
59	Diverse impactors in Apollo 15 and 16 impact melt rocks: Evidence from osmium isotopes and highly siderophile elements. Geochimica Et Cosmochimica Acta, 2015, 155, 122-153.	3.9	32
60	Tungsten isotopic evidence for disproportional late accretion to the Earth and Moon. Nature, 2015, 520, 530-533.	27.8	127
61	Generations of Melt Extraction, Meltâ€"Rock Interaction and High-Temperature Metasomatism Preserved in Peridotites of the â^¼497 Ma Leka Ophiolite Complex, Norway. Journal of Petrology, 2015, 56, 1797-1828.	2.8	35
62	Big insights from tiny peridotites: Evidence for persistence of Precambrian lithosphere beneath the eastern North China Craton. Tectonophysics, 2015, 650, 104-112.	2.2	25
63	Rheniumâ€"Osmium Dating (Meteorites). Encyclopedia of Earth Sciences Series, 2015, , 703-707.	0.1	1
64	Early inner solar system origin for anomalous sulfur isotopes in differentiated protoplanets. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17749-17754.	7.1	34
65	Insights into early Earth from the Ptâ€"Reâ€"Os isotope and highly siderophile element abundance systematics of Barberton komatiites. Geochimica Et Cosmochimica Acta, 2014, 125, 394-413.	3.9	77
66	Effects of magma ocean crystallization and overturn on the development of 142Nd and 182W isotopic heterogeneities in the primordial mantle. Earth and Planetary Science Letters, 2014, 408, 319-330.	4.4	29
67	Siderophile element constraints on the origin of the Moon. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130258.	3.4	15
68	Reaction rind formation in the Catalina Schist: Deciphering a history of mechanical mixing and metasomatic alteration. Chemical Geology, 2014, 384, 47-61.	3.3	37
69	Geodynamic implications of ophiolitic chromitites in the La CabaÃ±a ultramafic bodies, Central Chile. International Geology Review, 2014, 56, 1466-1483.	2.1	16
70	Characterization of the dominant impactor signature for Apollo 17 impact melt rocks. Geochimica Et Cosmochimica Acta, 2014, 131, 62-80.	3.9	29
71	Highly siderophile elements and 187Reâ€"187Os isotopic systematics of the Allende meteorite: Evidence for primary nebular processes and late-stage alteration. Geochimica Et Cosmochimica Acta, 2014, 131, 402-414.	3.9	29
72	Protracted core formation and rapid accretion of protoplanets. Science, 2014, 344, 1150-1154.	12.6	224

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73	New insights into the Hadean mantle revealed by 182W and highly siderophile element abundances of supracrustal rocks from the Nuvvuagittuq Greenstone Belt, Quebec, Canada. Chemical Geology, 2014, 383, 63-75.	3.3	67
74	Simplified mantle architecture and distribution of radiogenic power. Geochemistry, Geophysics, Geosystems, 2013, 14, 2265-2285.	2.5	26
75	Insights into early Earth from Barberton komatiites: Evidence from lithophile isotope and trace element systematics. Geochimica Et Cosmochimica Acta, 2013, 108, 63-90.	3.9	110
76	Reâ€“Os age constraints and new observations of Proterozoic glacial deposits in the Vazante Group, Brazil. Precambrian Research, 2013, 238, 199-213.	2.7	48
77	Highly siderophile element geochemistry of peridotites and pyroxenites from HornÃ-Bory, Bohemian Massif: Implications for HSE behaviour in subduction-related upper mantle. Geochimica Et Cosmochimica Acta, 2013, 100, 158-175.	3.9	38
78	Extreme persistence of cratonic lithosphere in the southwest Pacific: Paleoproterozoic Os isotopic signatures in Zealandia. Geology, 2013, 41, 231-234.	4.4	51
79	Rheniumâ€“Osmium Dating (Meteorites). , 2013, , 1-8.		0
80	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	12.6	191
81	Comparative Srâ€“Ndâ€“Hfâ€“Osâ€“Pb isotope systematics of xenolithic peridotites from Yangyuan, North China Craton: Additional evidence for a Paleoproterozoic age. Chemical Geology, 2012, 332-333, 1-14.	3.3	22
82	¹⁸² W Evidence for Long-Term Preservation of Early Mantle Differentiation Products. Science, 2012, 335, 1065-1069.	12.6	211
83	Mantleâ€“crust interactions in a paleosubduction zone: Evidence from highly siderophile element systematics of eclogite and related rocks. Earth and Planetary Science Letters, 2012, 319-320, 295-306.	4.4	17
84	Chemical heterogeneity in the upper mantle recorded by peridotites and chromitites from the Shetland Ophiolite Complex, Scotland. Earth and Planetary Science Letters, 2012, 333-334, 226-237.	4.4	77
85	Reâ€“Os isotope and highly siderophile element systematics of the ParanÃ¡ continental flood basalts (Brazil). Earth and Planetary Science Letters, 2012, 337-338, 164-173.	4.4	72
86	Evidence for homogeneous distribution of osmium in the protosolar nebula. Earth and Planetary Science Letters, 2012, 351-352, 36-44.	4.4	50
87	Evolution of the martian mantle inferred from the 187Reâ€“187Os isotope and highly siderophile element abundance systematics of shergottite meteorites. Geochimica Et Cosmochimica Acta, 2012, 76, 206-235.	3.9	117
88	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. Geochimica Et Cosmochimica Acta, 2012, 81, 94-128.	3.9	91
89	Rheniumâ€“osmium isotope and highly-siderophile-element abundance systematics of angrite meteorites. Earth and Planetary Science Letters, 2012, 353-354, 208-218.	4.4	55
90	PLANETARY-SCALE STRONTIUM ISOTOPIC HETEROGENEITY AND THE AGE OF VOLATILE DEPLETION OF EARLY SOLAR SYSTEM MATERIALS. Astrophysical Journal, 2012, 758, 45.	4.5	83

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91	Late accretion as a natural consequence of planetary growth. Nature Geoscience, 2012, 5, 614-617.	12.9	122
92	High precision tungsten isotope measurement by thermal ionization mass spectrometry. International Journal of Mass Spectrometry, 2012, 309, 109-117.	1.5	68
93	Petrology and geochemistry of Yamato 984028: a cumulate lherzolitic shergottite with affinities to Y 000027, Y 000047, and Y 000097. Polar Science, 2011, 4, 497-514.	1.2	15
94	Mapping lithospheric boundaries using Os isotopes of mantle xenoliths: An example from the North China Craton. Geochimica Et Cosmochimica Acta, 2011, 75, 3881-3902.	3.9	118
95	186Osâ€"187Os systematics of Hawaiian picrites revisited: New insights into Os isotopic variations in ocean island basalts. Geochimica Et Cosmochimica Acta, 2011, 75, 4456-4475.	3.9	40
96	Group IVA irons: New constraints on the crystallization and cooling history of an asteroidal core with a complex history. Geochimica Et Cosmochimica Acta, 2011, 75, 6821-6843.	3.9	76
97	Assessment of nebular versus parent body processes on presolar components present in chondrites: Evidence from osmium isotopes. Earth and Planetary Science Letters, 2011, 305, 115-123.	4.4	30
98	Size of the group IVA iron meteorite core: Constraints from the age and composition of Muonionalusta. Earth and Planetary Science Letters, 2011, 308, 410-416.	4.4	12
99	Highly siderophile element systematics of the 3.3Ga Weltevreden komatiites, South Africa: Implications for early Earth history. Earth and Planetary Science Letters, 2011, 311, 253-263.	4.4	51
100	Stochastic Late Accretion to Earth, the Moon, and Mars. Science, 2010, 330, 1527-1530.	12.6	194
101	Diachronous decratonization of the Sino-Korean craton: Geochemistry of mantle xenoliths from North Korea. Geology, 2010, 38, 799-802.	4.4	117
102	Formation of pyroxenite layers in the Totalp ultramafic massif (Swiss Alps) â€" Insights from highly siderophile elements and Os isotopes. Geochimica Et Cosmochimica Acta, 2010, 74, 661-683.	3.9	63
103	Century-long record of Mo isotopic composition in sediments of a seasonally anoxic estuary (Chesapeake Bay). Earth and Planetary Science Letters, 2010, 289, 189-197.	4.4	46
104	Osmium isotope and highly siderophile element systematics of the lunar crust. Earth and Planetary Science Letters, 2010, 289, 595-605.	4.4	95
105	Osmium isotope anomalies in chondrites: Results for acid residues and related leachates. Earth and Planetary Science Letters, 2010, 291, 48-59.	4.4	45
106	Processes controlling highly siderophile element fractionations in xenolithic peridotites and their influence on Os isotopes. Earth and Planetary Science Letters, 2010, 297, 287-297.	4.4	75
107	Highly siderophile elements and Srâ€"Nd isotopes in refertilized mantle peridotites â€" A case study from the Totalp ultramafic body, Swiss Alps. Chemical Geology, 2010, 276, 257-268.	3.3	32
108	Molybdenum isotope, multiple sulfur isotope, and redox-sensitive element behavior in early Pleistocene Mediterranean sapropels. Chemical Geology, 2010, 279, 134-144.	3.3	51

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109	Temporal Evolution of the Lithospheric Mantle beneath the Eastern North China Craton. Journal of Petrology, 2009, 50, 1857-1898.	2.8	237
110	Interpreting ages from Reâ€"Os isotopes in peridotites. Lithos, 2009, 112, 1083-1095.	1.4	169
111	Early formation of evolved asteroidal crust. Nature, 2009, 457, 179-182.	27.8	81
112	Day et al. reply. Nature, 2009, 459, E2-E2.	27.8	5
113	Low osmium solubility in silicate at high pressures and temperatures. Earth and Planetary Science Letters, 2009, 279, 165-173.	4.4	33
114	Rheniumâ€"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. Earth and Planetary Science Letters, 2009, 286, 41-51.	4.4	41
115	Highly siderophile elements in the Earth, Moon and Mars: Update and implications for planetary accretion and differentiation. Chemie Der Erde, 2009, 69, 101-125.	2.0	255
116	Highly siderophile element and 187Os isotope systematics of Hawaiian picrites: Implications for parental melt composition and source heterogeneity. Chemical Geology, 2009, 260, 112-128.	3.3	76
117	Fractionation of the platinum-group elments and Re during crystallization of basalt in Kilauea Iki Lava Lake, Hawaii. Chemical Geology, 2009, 260, 196-210.	3.3	47
118	Reâ€"Os isotope systematics and HSE abundances of the 3.5ÂGa Schapenburg komatiites, South Africa: Hydrous melting or prolonged survival of primordial heterogeneities in the mantle?. Chemical Geology, 2009, 262, 355-369.	3.3	55
119	Effects of melt percolation on highly siderophile elements and Os isotopes in subcontinental lithospheric mantle: A study of the upper mantle profile beneath Central Europe. Geochimica Et Cosmochimica Acta, 2009, 73, 2400-2414.	3.9	67
120	Tungsten in Hawaiian picrites: A compositional model for the sources of Hawaiian lavas. Geochimica Et Cosmochimica Acta, 2009, 73, 4517-4530.	3.9	15
121	Chemical and chronologic complexity in the convecting upper mantle: Evidence from the Taitao ophiolite, southern Chile. Geochimica Et Cosmochimica Acta, 2009, 73, 5793-5819.	3.9	48
122	Ptâ€"Reâ€"Os and Smâ€"Nd isotope and HSE and REE systematics of the 2.7Ga Belingwe and Abitibi komatiites. Geochimica Et Cosmochimica Acta, 2009, 73, 6367-6389.	3.9	79
123	Highly siderophile element evidence for early solar system processes in components from ordinary chondrites. Geochimica Et Cosmochimica Acta, 2009, 73, 6984-6997.	3.9	25
124	Refertilization of Jurassic oceanic peridotites from the Tethys Ocean â€" Implications for the Reâ€"Os systematics of the upper mantle. Earth and Planetary Science Letters, 2008, 268, 171-181.	4.4	71
125	Recycling deep cratonic lithosphere and generation of intraplate magmatism in the North China Craton. Earth and Planetary Science Letters, 2008, 270, 41-53.	4.4	412
126	Modeling fractional crystallization of group IVB iron meteorites. Geochimica Et Cosmochimica Acta, 2008, 72, 2198-2216.	3.9	136

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127	Osmium isotope and highly siderophile element systematics of lunar impact melt breccias: Implications for the late accretion history of the Moon and Earth. Geochimica Et Cosmochimica Acta, 2008, 72, 3022-3042.	3.9	102
128	Effects of Mother Lode-Type Gold Mineralization on 187Os/188Os and Platinum Group Element Concentrations in Peridotite: Alleghany District, California. Economic Geology, 2007, 102, 1079-1089.	3.8	4
129	Osâ€“Pbâ€“Nd isotope and highly siderophile and lithophile trace element systematics of komatiitic rocks from the Volotsk suite, SE Baltic Shield. Precambrian Research, 2007, 158, 119-137.	2.7	60
130	Osmium isotope evidence for uniform distribution of s- and r-process components in the early solar system. Earth and Planetary Science Letters, 2007, 259, 567-580.	4.4	70
131	Reâ€“Os evidence for the age and origin of peridotites from the Dabieâ€“Sulu ultrahigh pressure metamorphic belt, China. Chemical Geology, 2007, 236, 323-338.	3.3	49
132	Lithium isotopic systematics of granites and pegmatites from the Black Hills, South Dakota. American Mineralogist, 2006, 91, 1488-1498.	1.9	125
133	Confirmation of a meteoritic component in impact-melt rocks of the Chesapeake Bay impact structure, Virginia, USA-Evidence from osmium isotopic and PGE systematics. Meteoritics and Planetary Science, 2006, 41, 819-833.	1.6	20
134	Diffusion-driven extreme lithium isotopic fractionation in country rocks of the Tin Mountain pegmatite. Earth and Planetary Science Letters, 2006, 243, 701-710.	4.4	208
135	Determination of mass-dependent molybdenum isotopic variations by MC-ICP-MS: An evaluation of matrix effects. Chemical Geology, 2006, 225, 121-136.	3.3	79
136	Reâ€“Os isotope systematics of mantle xenoliths from South Korea: Evidence for complex growth and loss of lithospheric mantle beneath East Asia. Chemical Geology, 2006, 231, 90-101.	3.3	42
137	Platinumâ€“osmium isotope evolution of the Earthâ€™s mantle: Constraints from chondrites and Os-rich alloys. Geochimica Et Cosmochimica Acta, 2006, 70, 2093-2103.	3.9	95
138	Highly siderophile element composition of the Earthâ€™s primitive upper mantle: Constraints from new data on peridotite massifs and xenoliths. Geochimica Et Cosmochimica Acta, 2006, 70, 4528-4550.	3.9	506
139	The chemical-temporal evolution of lithospheric mantle underlying the North China Craton. Geochimica Et Cosmochimica Acta, 2006, 70, 5013-5034.	3.9	291
140	Origin of Paleoproterozoic Komatiites at JeesiÃ¶rova, KittilÃ Greenstone Complex, Finnish Lapland. Journal of Petrology, 2006, 47, 773-789.	2.8	23
141	Nd, Sr and Pb isotopic and REE geochemical study of some Miocene submarine hydrothermal deposits (Kuroko deposits) in Japan. Contributions To Mineralogy and Petrology, 2005, 149, 388-399.	3.1	4
142	Lithium isotopes in the system Qz-Ms-fluid:An experimental study. Geochimica Et Cosmochimica Acta, 2005, 69, 3337-3347.	3.9	33
143	Re-Os systematics of komatiites and komatiitic basalts at Dundonald Beach, Ontario, Canada: Evidence for a complex alteration history and implications of a late-Archean chondritic mantle source. Geochimica Et Cosmochimica Acta, 2005, 69, 5087-5098.	3.9	14
144	187Osâ€“186Os systematics of Osâ€“Irâ€“Ru alloy grains from southwestern Oregon. Earth and Planetary Science Letters, 2005, 230, 211-226.	4.4	70

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145	The debate over coreâ€“mantle interaction. Earth and Planetary Science Letters, 2005, 232, 211-225.	4.4	169
146	Evidence for the early differentiation of the core from Ptâ€“Reâ€“Os isotope systematics of 2.8-Ga komatiites. Earth and Planetary Science Letters, 2005, 237, 118-134.	4.4	74
147	Does the core leak?. Eos, 2005, 86, 237.	0.1	6
148	Origin of the Permian-Triassic komatiites, northwestern Vietnam. Contributions To Mineralogy and Petrology, 2004, 147, 453-469.	3.1	131
149	Sources of osmium to the modern oceans: new evidence from the 190 Pt- 186 Os system 1 1Associate editor: E. M. Ripley. Geochimica Et Cosmochimica Acta, 2004, 68, 1243-1252.	3.9	24
150	Pt-Re-Os systematics of group IIAB and IIIAB iron meteorites 1 1Associate editor: G. Herzog. Geochimica Et Cosmochimica Acta, 2004, 68, 1413-1431.	3.9	86
151	Low abundances of highly siderophile elements in the lunar mantle: evidence for prolonged late accretion. Earth and Planetary Science Letters, 2004, 224, 399-413.	4.4	79
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