

# William L. Griffin

## List of Publications by Year in descending order

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656  
papers

63,332  
citations

993

114  
h-index

1216

227  
g-index

684  
all docs

684  
docs citations

684  
times ranked

13421  
citing authors

#	ARTICLE	IF	CITATIONS
1	THREE NATURAL ZIRCON STANDARDS FOR U-TH-PB, LU-HF, TRACE ELEMENT AND REE ANALYSES. <i>Geostandards and Geoanalytical Research</i> , 1995, 19, 1-23.	1.7	4,868
2	The application of laser ablation-inductively coupled plasma-mass spectrometry to in situ U <sup>235</sup> -Pb zircon geochronology. <i>Chemical Geology</i> , 2004, 211, 47-69.	1.4	4,097
3	The Hf isotope composition of cratonic mantle: LAM-MC-ICPMS analysis of zircon megacrysts in kimberlites. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 133-147.	1.6	2,925
4	Zircon chemistry and magma mixing, SE China: In-situ analysis of Hf isotopes, Tonglu and Pingtan igneous complexes. <i>Lithos</i> , 2002, 61, 237-269.	0.6	2,383
5	Igneous zircon: trace element composition as an indicator of source rock type. <i>Contributions To Mineralogy and Petrology</i> , 2002, 143, 602-622.	1.2	2,041
6	Archean crustal evolution in the northern Yilgarn Craton: U <sup>235</sup> -Pb and Hf-isotope evidence from detrital zircons. <i>Precambrian Research</i> , 2004, 131, 231-282.	1.2	983
7	The growth of the continental crust: Constraints from zircon Hf-isotope data. <i>Lithos</i> , 2010, 119, 457-466.	0.6	697
8	Granitoid events in space and time: Constraints from igneous and detrital zircon age spectra. <i>Gondwana Research</i> , 2009, 15, 228-242.	3.0	579
9	Detrital zircon geochronology of Precambrian basement sequences in the Jiangnan orogen: Dating the assembly of the Yangtze and Cathaysia Blocks. <i>Precambrian Research</i> , 2007, 159, 117-131.	1.2	554
10	The Composition and Evolution of Lithospheric Mantle: a Re-evaluation and its Tectonic Implications. <i>Journal of Petrology</i> , 2009, 50, 1185-1204.	1.1	540
11	Phanerozoic evolution of the lithosphere beneath the Sino-Korean craton. <i>Geodynamic Series</i> , 1998, , 107-126.	0.1	524
12	Zircon Crystal Morphology, Trace Element Signatures and Hf Isotope Composition as a Tool for Petrogenetic Modelling: Examples From Eastern Australian Granitoids. <i>Journal of Petrology</i> , 2006, 47, 329-353.	1.1	502
13	Widespread Archean basement beneath the Yangtze craton. <i>Geology</i> , 2006, 34, 417.	2.0	491
14	The lithospheric architecture of Africa: Seismic tomography, mantle petrology, and tectonic evolution. , 2009, 5, 23-50.		477
15	Apatite as an indicator mineral for mineral exploration: trace-element compositions and their relationship to host rock type. <i>Journal of Geochemical Exploration</i> , 2002, 76, 45-69.	1.5	475
16	Application of proton-microprobe data to trace-element partitioning in volcanic rocks. <i>Chemical Geology</i> , 1994, 117, 251-284.	1.4	466
17	The origin and evolution of Archean lithospheric mantle. <i>Precambrian Research</i> , 2003, 127, 19-41.	1.2	432
18	Non-chondritic distribution of the highly siderophile elements in mantle sulphides. <i>Nature</i> , 2000, 407, 891-894.	13.7	428

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19	The crust of Cathaysia: Age, assembly and reworking of two terranes. <i>Precambrian Research</i> , 2007, 158, 51-78.	1.2	428
20	SNIP, a statistics-sensitive background treatment for the quantitative analysis of PIXE spectra in geoscience applications. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1988, 34, 396-402.	0.6	394
21	QUANTITATIVE ANALYSIS OF TRACE ELEMENTS IN GEOLOGICAL MATERIALS BY LASER ABLATION ICPMS: INSTRUMENTAL OPERATING CONDITIONS AND CALIBRATION VALUES OF NIST GLASSES. <i>Geostandards and Geoanalytical Research</i> , 1996, 20, 247-261.	1.7	386
22	Components and episodic growth of Precambrian crust in the Cathaysia Block, South China: Evidence from U-Pb ages and Hf isotopes of zircons in Neoproterozoic sediments. <i>Precambrian Research</i> , 2010, 181, 97-114.	1.2	386
23	The density structure of subcontinental lithosphere through time. <i>Earth and Planetary Science Letters</i> , 2001, 184, 605-621.	1.8	382
24	A Paleoproterozoic orogeny recorded in a long-lived cratonic remnant (Wuyishan terrane), eastern Cathaysia Block, China. <i>Precambrian Research</i> , 2009, 174, 347-363.	1.2	374
25	Mesozoic decratonization of the North China block. <i>Geology</i> , 2008, 36, 467.	2.0	341
26	Mechanism and timing of lithospheric modification and replacement beneath the eastern North China Craton: Peridotitic xenoliths from the 100 Ma Fuxin basalts and a regional synthesis. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5203-5225.	1.6	339
27	Relict refractory mantle beneath the eastern North China block: significance for lithosphere evolution. <i>Lithos</i> , 2001, 57, 43-66.	0.6	328
28	Volatile-bearing minerals and lithophile trace elements in the upper mantle. <i>Chemical Geology</i> , 1997, 141, 153-184.	1.4	307
29	Comment: Hf-isotope heterogeneity in zircon 91500. <i>Chemical Geology</i> , 2006, 233, 358-363.	1.4	297
30	3.6 Ga lower crust in central China: New evidence on the assembly of the North China craton. <i>Geology</i> , 2004, 32, 229.	2.0	295
31	Mantle metasomatism beneath western Victoria, Australia: I. Metasomatic processes in Cr-diopside lherzolites. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 433-447.	1.6	288
32	Quantitative pxe microanalysis of geological material using the CSIRO proton microprobe. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1990, 47, 55-71.	0.6	285
33	Chronology of the pressure-temperature history recorded by a granulite terrain. <i>Contributions To Mineralogy and Petrology</i> , 1988, 98, 303-311.	1.2	282
34	Where was South China in the Rodinia supercontinent?. <i>Precambrian Research</i> , 2008, 164, 1-15.	1.2	281
35	U-Pb geochronology and Hf-Nd isotopic geochemistry of the Badu Complex, Southeastern China: Implications for the Precambrian crustal evolution and paleogeography of the Cathaysia Block. <i>Precambrian Research</i> , 2012, 222-223, 424-449.	1.2	261
36	Geochemical zonation across a Neoproterozoic orogenic belt: Isotopic evidence from granitoids and metasedimentary rocks of the Jiangnan orogen, China. <i>Precambrian Research</i> , 2014, 242, 154-171.	1.2	261

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37	Apatite in the mantle: implications for metasomatic processes and high heat production in Phanerozoic mantle. <i>Lithos</i> , 2000, 53, 217-232.	0.6	253
38	Lithospheric, Cratonic, and Geodynamic Setting of Ni-Cu-PGE Sulfide Deposits. <i>Economic Geology</i> , 2010, 105, 1057-1070.	1.8	253
39	Uâ€Pb ages and source composition by Hf-isotope and trace-element analysis of detrital zircons in Permian sandstone and modern sand from southwestern Australia and a review of the paleogeographical and denudational history of the Yilgarn Craton. <i>Earth-Science Reviews</i> , 2005, 68, 245-279.	4.0	250
40	Are Lithospheres Forever? Tracking Changes in Subcontinental Lithospheric Mantle Through Time. <i>GSA Today</i> , 2001, 11, 4.	1.1	242
41	The evolution of lithospheric mantle beneath the Kalahari Craton and its margins. <i>Lithos</i> , 2003, 71, 215-241.	0.6	241
42	Layered Mantle Lithosphere in the Lac de Gras Area, Slave Craton: Composition, Structure and Origin. <i>Journal of Petrology</i> , 1999, 40, 705-727.	1.1	235
43	Harzburgite to lherzolite and back again: metasomatic processes in ultramafic xenoliths from the Wesselson kimberlite, Kimberley, South Africa. <i>Contributions To Mineralogy and Petrology</i> , 1999, 134, 232-250.	1.2	231
44	Continental-root control on the genesis of magmatic ore deposits. <i>Nature Geoscience</i> , 2013, 6, 905-910.	5.4	231
45	A xenolith-derived geotherm for southeastern Australia and its geophysical implications. <i>Tectonophysics</i> , 1985, 111, 41-63.	0.9	230
46	Nature and Evolution of Cenozoic Lithospheric Mantle beneath Shandong Peninsula, Sino-Korean Craton, Eastern China. <i>International Geology Review</i> , 1998, 40, 471-499.	1.1	224
47	Apatite Composition: Tracing Petrogenetic Processes in Transhimalayan Granitoids. <i>Journal of Petrology</i> , 2009, 50, 1829-1855.	1.1	223
48	Shear deformation and eclogite formation within granulite-facies anorthosites of the Bergen Arcs, western Norway. <i>Chemical Geology</i> , 1985, 50, 267-281.	1.4	220
49	Genesis of Young Lithospheric Mantle in Southeastern China: an LAMâ€ICPMS Trace Element Study. <i>Journal of Petrology</i> , 2000, 41, 111-148.	1.1	219
50	Garnet geotherms: Pressure-temperature data from Cr-pyrope garnet xenocrysts in volcanic rocks. <i>Journal of Geophysical Research</i> , 1996, 101, 5611-5625.	3.3	217
51	Precambrian crustal evolution of the Yangtze Block tracked by detrital zircons from Neoproterozoic sedimentary rocks. <i>Precambrian Research</i> , 2010, 177, 131-144.	1.2	215
52	The Siberian lithosphere traverse: mantle terranes and the assembly of the Siberian Craton. <i>Tectonophysics</i> , 1999, 310, 1-35.	0.9	212
53	New insights into the Reâ€Os systematics of sub-continental lithospheric mantle from in situ analysis of sulphides. <i>Earth and Planetary Science Letters</i> , 2002, 203, 651-663.	1.8	212
54	Tracing Cu and Fe from source to porphyry: in situ determination of Cu and Fe isotope ratios in sulfides from the Grasberg Cuâ€Au deposit. <i>Chemical Geology</i> , 2004, 207, 147-169.	1.4	210

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55	Is the continental Moho the crust-mantle boundary?. <i>Geology</i> , 1987, 15, 241.	2.0	205
56	Thermal and petrological structure of the lithosphere beneath Hannuoba, Sino-Korean Craton, China: evidence from xenoliths. <i>Lithos</i> , 2001, 56, 267-301.	0.6	202
57	Integrated geophysical&petrological modeling of the lithosphere and sublithospheric upper mantle: Methodology and applications. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	200
58	Crustal Evolution in the SW Part of the Baltic Shield: the Hf Isotope Evidence. <i>Journal of Petrology</i> , 2002, 43, 1725-1747.	1.1	198
59	Ultramafic Xenoliths from Bullenmerri and Gnotuk Maars, Victoria, Australia: Petrology of a Sub-Continental Crust-Mantle Transition. <i>Journal of Petrology</i> , 1984, 25, 53-87.	1.1	196
60	Quantitative analysis of trace element abundances in glasses and minerals: a comparison of laser ablation inductively coupled plasma mass spectrometry, solution inductively coupled plasma mass spectrometry, proton microprobe and electron microprobe data. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 477-482.	1.6	196
61	Superdeep diamonds from the Juina area, Mato Grosso State, Brazil. <i>Contributions To Mineralogy and Petrology</i> , 2001, 140, 734-753.	1.2	195
62	Mineral Chemistry of Peridotites from Paleozoic, Mesozoic and Cenozoic Lithosphere: Constraints on Mantle Evolution beneath Eastern China. <i>Journal of Petrology</i> , 2006, 47, 2233-2256.	1.1	195
63	Triassic &adakitica&rocks in an extensional setting (North China): Melts from the cratonic lower crust. <i>Lithos</i> , 2012, 149, 159-173.	0.6	194
64	Lithosphere mapping beneath the North American plate&†. <i>Lithos</i> , 2004, 77, 873-922.	0.6	193
65	In situ Os isotopes in abyssal peridotites bridge the isotopic gap between MORBs and their source mantle. <i>Nature</i> , 2005, 436, 1005-1008.	13.7	190
66	Early crustal evolution in the western Yangtze Block: Evidence from U&Pb and Lu&Hf isotopes on detrital zircons from sedimentary rocks. <i>Precambrian Research</i> , 2012, 222-223, 368-385.	1.2	190
67	The Taihua group on the southern margin of the North China craton: further insights from U&Pb ages and Hf isotope compositions of zircons. <i>Mineralogy and Petrology</i> , 2009, 97, 43-59.	0.4	189
68	U&Pb isotopic ages and Hf isotopic composition of single zircons: The search for juvenile Precambrian continental crust. <i>Precambrian Research</i> , 2005, 139, 42-100.	1.2	187
69	Lithosphere evolution beneath the Kaapvaal Craton: Re&Os systematics of sulfides in mantle-derived peridotites. <i>Chemical Geology</i> , 2004, 208, 89-118.	1.4	186
70	Are continental &adakitica&derived from thickened or foundered lower crust?. <i>Earth and Planetary Science Letters</i> , 2015, 419, 125-133.	1.8	176
71	The world turns over: Hadean&Archean crust&mantle evolution. <i>Lithos</i> , 2014, 189, 2-15.	0.6	173
72	In situ measurement of Re-Os isotopes in mantle sulfides by laser ablation multicollector-inductively coupled plasma mass spectrometry: analytical methods and preliminary results. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 1037-1050.	1.6	170

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73	Chromitites in ophiolites: How, where, when, why? Part II. The crystallization of chromitites. <i>Lithos</i> , 2014, 189, 140-158.	0.6	170
74	Cadomian (Ediacaran–Cambrian) arc magmatism in the ChahJam–Biarjmand metamorphic complex (Iran): Magmatism along the northern active margin of Gondwana. <i>Gondwana Research</i> , 2015, 27, 439-452.	3.0	170
75	Residence of trace elements in metasomatized spinel lherzolite xenoliths: a proton-microprobe study. <i>Contributions To Mineralogy and Petrology</i> , 1991, 109, 98-113.	1.2	169
76	Caledonian Sm–Nd ages and a crustal origin for Norwegian eclogites. <i>Nature</i> , 1980, 285, 319-321.	13.7	168
77	The trapped fluid phase in upper mantle xenoliths from Victoria, Australia: implications for mantle metasomatism. <i>Contributions To Mineralogy and Petrology</i> , 1984, 88, 72-85.	1.2	168
78	High-Cr and high-Al chromitites from the Sagua de Tājnamo district, Mayar–Cristal ophiolitic massif (eastern Cuba): Constraints on their origin from mineralogy and geochemistry of chromian spinel and platinum-group elements. <i>Lithos</i> , 2011, 125, 101-121.	0.6	160
79	Archaean and Proterozoic crustal evolution in Lofoten–VesterÅlen, N Norway. <i>Journal of the Geological Society</i> , 1978, 135, 629-647.	0.9	159
80	Trace elements in indicator minerals: area selection and target evaluation in diamond exploration. <i>Journal of Geochemical Exploration</i> , 1995, 53, 311-337.	1.5	157
81	Mineral inclusions in diamonds from the Sputnik kimberlite pipe, Yakutia. <i>Lithos</i> , 1997, 39, 135-157.	0.6	156
82	Imaging global chemical and thermal heterogeneity in the subcontinental lithospheric mantle with garnets and xenoliths: Geophysical implications. <i>Tectonophysics</i> , 2006, 416, 289-309.	0.9	151
83	A new model for the evolution of diamond-forming fluids: Evidence from microinclusion-bearing diamonds from Kankan, Guinea. <i>Lithos</i> , 2009, 112, 660-674.	0.6	151
84	Geochronological, geochemical and isotopic study of detrital zircon suites from late Neoproterozoic clastic strata along the NE margin of the East European Craton: Implications for plate tectonic models. <i>Gondwana Research</i> , 2010, 17, 583-601.	3.0	147
85	Granitic magmatism, basement ages, and provenance indicators in the Malay Peninsula: Insights from detrital zircon U–Pb and Hf-isotope data. <i>Gondwana Research</i> , 2011, 19, 1024-1039.	3.0	147
86	Mantle formation and evolution, Slave Craton: constraints from HSE abundances and Re–Os isotope systematics of sulfide inclusions in mantle xenocrysts. <i>Chemical Geology</i> , 2004, 208, 61-88.	1.4	143
87	Trace element composition and cathodoluminescence properties of southern African kimberlitic zircons. <i>Mineralogical Magazine</i> , 1998, 62, 355-366.	0.6	142
88	Mantle metasomatism beneath western Victoria, Australia: II. Isotopic geochemistry of Cr-diopside lherzolites and Al-augite pyroxenites. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 449-459.	1.6	138
89	Trace element signatures of apatites in granitoids from the Mt Isa Inlier, northwestern Queensland. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 603-619.	0.4	138
90	Early Archaean granulite-facies metamorphism south of Ameralik, West Greenland. <i>Earth and Planetary Science Letters</i> , 1980, 50, 59-74.	1.8	137

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91	Mesoarchean subduction processes: 2.87 Ga eclogites from the Kola Peninsula, Russia. <i>Geology</i> , 2010, 38, 739-742.	2.0	137
92	Mantle Recycling: Transition Zone Metamorphism of Tibetan Ophiolitic Peridotites and its Tectonic Implications. <i>Journal of Petrology</i> , 2016, 57, 655-684.	1.1	137
93	Quantitative analysis of PIXE spectra in geoscience applications. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1990, 49, 271-276.	0.6	135
94	Archaean and Proterozoic crustal evolution in the Eastern Succession of the Mt Isa district, Australia: U-Pb and Hf-isotope studies of detrital zircons *. <i>Australian Journal of Earth Sciences</i> , 2006, 53, 125-149.	0.4	135
95	Provenance of Lower Cretaceous Volcaniclastic in the Tibetan Tethyan Himalaya: Implications for the final breakup of Eastern Gondwana. <i>Sedimentary Geology</i> , 2010, 223, 193-205.	1.0	135
96	Mantle Metasomatism. <i>Lecture Notes in Earth System Sciences</i> , 2013, , 471-533.	0.5	135
97	U-Pb and Lu-Hf isotopes in detrital zircon from Neoproterozoic sedimentary rocks in the northern Yangtze Block: Implications for Precambrian crustal evolution. <i>Gondwana Research</i> , 2013, 23, 1261-1272.	3.0	134
98	Multiple events in the Neo-Tethyan oceanic upper mantle: Evidence from Ru-Os-Ir alloys in the Luobusa and Dongqiao ophiolitic podiform chromitites, Tibet. <i>Earth and Planetary Science Letters</i> , 2007, 261, 33-48.	1.8	132
99	Ophiolites of Iran: Keys to understanding the tectonic evolution of SW Asia: (II) Mesozoic ophiolites. <i>Journal of Asian Earth Sciences</i> , 2015, 100, 31-59.	1.0	131
100	Ni in chrome pyrope garnets: a new geothermometer. <i>Contributions To Mineralogy and Petrology</i> , 1989, 103, 199-202.	1.2	130
101	Mapping olivine composition in the lithospheric mantle. <i>Earth and Planetary Science Letters</i> , 2000, 182, 223-235.	1.8	129
102	Mid-Proterozoic magmatic arc evolution at the southwest margin of the Baltic Shield. <i>Lithos</i> , 2004, 73, 289-318.	0.6	129
103	Cratonic lithospheric mantle: Is anything subducted?. <i>Episodes</i> , 2007, 30, 43-53.	0.8	129
104	Distribution of K, Rb, Sr and Ba in some minerals relevant to basalt genesis. <i>Geochimica Et Cosmochimica Acta</i> , 1969, 33, 1389-1414.	1.6	125
105	The continental lithosphere-asthenosphere boundary: Can we sample it?. <i>Lithos</i> , 2010, 120, 1-13.	0.6	125
106	Geochemistry and geochronology of Carboniferous volcanic rocks in the eastern Junggar terrane, NW China: Implication for a tectonic transition. <i>Gondwana Research</i> , 2012, 22, 1009-1029.	3.0	124
107	Provenance comparisons of Permian to Jurassic tectonostratigraphic terranes in New Zealand: perspectives from detrital zircon age patterns. <i>Geological Magazine</i> , 2007, 144, 701-729.	0.9	123
108	Multiobservable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle. I: a priori petrological information and geophysical observables. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2586-2617.	1.4	121

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109	Uâ€Pb and Hf-isotope analysis of zircons in mafic xenoliths from Fuxian kimberlites: evolution of the lower crust beneath the North China craton. <i>Contributions To Mineralogy and Petrology</i> , 2004, 148, 79-103.	1.2	120
110	Mg and Fe-rich carbonateâ€silicate high-density fluids in cuboid diamonds from the Internationalnaya kimberlite pipe (Yakutia). <i>Lithos</i> , 2009, 112, 638-647.	0.6	120
111	Metasomatism in mantle xenoliths from the Letlhakane kimberlites: estimation of element fluxes. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 397-414.	1.2	119
112	Rejuvenation vs. recycling of Archean crust in the Gawler Craton, South Australia: Evidence from Uâ€Pb and Hf isotopes in detrital zircon. <i>Lithos</i> , 2009, 113, 570-582.	0.6	119
113	Reâ€Os isotopes of sulfides in mantle xenoliths from eastern China: Progressive modification of lithospheric mantle. <i>Lithos</i> , 2008, 102, 43-64.	0.6	117
114	Diachronous decratonization of the Sino-Korean craton: Geochemistry of mantle xenoliths from North Korea. <i>Geology</i> , 2010, 38, 799-802.	2.0	117
115	A xenolith-derived geotherm and the crust-mantle boundary at Qilin, southeastern China. <i>Lithos</i> , 1996, 38, 41-62.	0.6	116
116	Hf contents and Zr/Hf ratios in granitic zircons. <i>Geochemical Journal</i> , 2010, 44, 65-72.	0.5	115
117	Petrological implications of some corona structures. <i>Lithos</i> , 1973, 6, 315-335.	0.6	114
118	Trace-element zoning in garnets from sheared mantle xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 561-567.	1.6	114
119	Cr-Pyropite Garnets in the Lithospheric Mantle. I. Compositional Systematics and Relations to Tectonic Setting. <i>Journal of Petrology</i> , 1999, 40, 679-704.	1.1	113
120	Transformation of Archaean Lithospheric Mantle by Refertilization: Evidence from Exposed Peridotites in the Western Gneiss Region, Norway. <i>Journal of Petrology</i> , 2006, 47, 1611-1636.	1.1	113
121	Melt/mantle mixing produces podiform chromite deposits in ophiolites: Implications of Reâ€Os systematics in the Dongqiao Neo-tethyan ophiolite, northern Tibet. <i>Gondwana Research</i> , 2012, 21, 194-206.	3.0	113
122	Relict Proterozoic basement in the Nanling Mountains (SE China) and its tectonothermal overprinting. <i>Tectonics</i> , 2005, 24, n/a-n/a.	1.3	111
123	Fractionation of oxygen and iron isotopes by partial melting processes: Implications for the interpretation of stable isotope signatures in mafic rocks. <i>Earth and Planetary Science Letters</i> , 2009, 283, 156-166.	1.8	110
124	4-D Lithosphere Mapping: methodology and examples. <i>Tectonophysics</i> , 1996, 262, 3-18.	0.9	109
125	In situ Re-Os analysis of sulfide inclusions in kimberlitic olivine: New constraints on depletion events in the Siberian lithospheric mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-25.	1.0	109
126	Diamond, subcalcic garnet, and mantle metasomatism: Kimberlite sampling patterns define the link. <i>Geology</i> , 2007, 35, 339.	2.0	109



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127	Formation history and protolith characteristics of granulite facies metamorphic rock in Central Cathaysia deduced from U-Pb and Lu-Hf isotopic studies of single zircon grains. <i>Science Bulletin</i> , 2005, 50, 2080.	1.7	109
128	Two age populations of zircons from the Timber Creek kimberlites, Northern Territory, as determined by laser-ablation ICP-MS analysis. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 757.	0.4	108
129	Finding of ancient materials in Cathaysia and implication for the formation of Precambrian crust. <i>Science Bulletin</i> , 2007, 52, 13-22.	1.7	108
130	The Pacific Gondwana margin in the late Neoproterozoic–early Paleozoic: Detrital zircon U–Pb ages from metasediments in northwest Argentina reveal their maximum age, provenance and tectonic setting. <i>Gondwana Research</i> , 2011, 19, 71-83.	3.0	108
131	Southward trench migration at $\sim 130$ –120 Ma caused accretion of the Neo-Tethyan forearc lithosphere in Tibetan ophiolites. <i>Earth and Planetary Science Letters</i> , 2016, 438, 57-65.	1.8	108
132	Trace elements in sulfide inclusions from Yakutian diamonds. <i>Contributions To Mineralogy and Petrology</i> , 1996, 124, 111-125.	1.2	107
133	Oxidation during metasomatism in ultramafic xenoliths from the Wesselton kimberlite, South Africa: implications for the survival of diamond. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 287-296.	1.2	106
134	Enrichment of upper mantle peridotite: petrological, trace element and isotopic evidence in xenoliths from SE China. <i>Chemical Geology</i> , 2003, 198, 163-188.	1.4	106
135	Linking continental deep subduction with destruction of a cratonic margin: strongly reworked North China SCLM intruded in the Triassic Sulu UHP belt. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	1.2	103
136	Trace elements in garnets and chromites: Diamond formation in the Siberian lithosphere. <i>Lithos</i> , 1993, 29, 235-256.	0.6	102
137	Age, geochemistry and tectonic setting of the Neoproterozoic (ca 830Ma) gabbros on the southern margin of the North China Craton. <i>Precambrian Research</i> , 2011, 190, 35-47.	1.2	102
138	Continental crust beneath southeast Iceland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1818-27.	3.3	102
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