Martin J Whitehouse

List of Publications by Year
in descending order

496 papers	29,879 citations	6254 80 h-index	8167 148 g-index
523 all docs	523 docs citations	523 times ranked	12858 citing authors

#	Article	IF	Citations
1	PleÅ¡ovice zircon â€" A new natural reference material for Uâ€"Pb and Hf isotopic microanalysis. Chemical Geology, 2008, 249, 1-35.	3.3	3,858
2	Magmatic and Crustal Differentiation History of Granitic Rocks from Hf-O Isotopes in Zircon. Science, 2007, 315, 980-983.	12.6	1,154
3	Further Characterisation of the 91500 Zircon Crystal. Geostandards and Geoanalytical Research, 2004, 28, 9-39.	1.9	1,142
4	Characterisation of early Archaean chemical sediments by trace element signatures. Earth and Planetary Science Letters, 2004, 222, 43-60.	4.4	571
5	Age significance of Uâ€"Thâ€"Pb zircon data from early Archaean rocks of west Greenlandâ€"a reassessment based on combined ion-microprobe and imaging studies. Chemical Geology, 1999, 160, 201-224.	3.3	512
6	Dating high-grade metamorphismâ€"constraints from rare-earth elements in zircon and garnet. Contributions To Mineralogy and Petrology, 2003, 145, 61-74.	3.1	452
7	Shisha Pangma Leucogranite, South Tibetan Himalaya: Field Relations, Geochemistry, Age, Origin, and Emplacement. Journal of Geology, 1997, 105, 295-318.	1.4	345
8	Assigning Dates to Thin Gneissic Veins in High-Grade Metamorphic Terranes: A Cautionary Tale from Akilia, Southwest Greenland. Journal of Petrology, 2004, 46, 291-318.	2.8	318
9	Ion microprobe U-Pb zircon geochronology and correlation of Archaean gneisses from the Lewisian Complex of Gruinard Bay, northwestern Scotland. Geochimica Et Cosmochimica Acta, 1997, 61, 4429-4438.	3.9	284
10	Hafnium isotope evidence for a transition in the dynamics of continental growth 3.2â€‰Gyr ago. Nature, 2012, 485, 627-630.	27.8	254
11	Large colonial organisms with coordinated growth in oxygenated environments 2.1â€‰Gyr ago. Nature, 2010, 466, 100-104.	27.8	235
12	Tectonic evolution of the Sibumasuâ€"Indochina terrane collision zone in Thailand and Malaysia: constraints from new Uâ€"Pb zircon chronology of SE Asian tin granitoids. Journal of the Geological Society, 2012, 169, 489-500.	2.1	216
13	Zircon as a Monitor of Crustal Growth. Elements, 2007, 3, 19-24.	0.5	211
14	Anomalous sulphur isotopes in plume lavas reveal deep mantle storage of Archaean crust. Nature, 2013, 496, 490-493.	27.8	205
15	U-Pb geochronologic evidence for the evolution of the Gondwanan margin of the north-central Andes. Bulletin of the Geological Society of America, 2007, 119, 697-711.	3.3	204
16	Extreme Nd-isotope heterogeneity in the early Archaean â€" fact or fiction? Case histories from northern Canada and West Greenland. Chemical Geology, 1997, 135, 213-231.	3.3	198
17	Post-collisional tectonomagmatic evolution in the northern Arabianâ€"Nubian Shield: time constraints from ion-probe Uâ€"Pb dating of zircon. Journal of the Geological Society, 2009, 166, 71-85.	2.1	197
18	Ilmenite as a Source for Zirconium during High-grade Metamorphism? Textural Evidence from the Caledonides of Western Norway and Implications for Zircon Geochronology. Journal of Petrology, 2001, 42, 355-375.	2.8	195

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19	Three-dimensional preservation of cellular and subcellular structures suggests 1.6 billion-year-old crown-group red algae. PLoS Biology, 2017, 15, e2000735.	5.6	192
20	Metasomatic Origin of Quartz-Pyroxene Rock, Akilia, Greenland, and Implications for Earth's Earliest Life. Science, 2002, 296, 1448-1452.	12.6	187
21	Hf isotopes in zircon reveal contrasting sources and crystallization histories for alkaline to peralkaline granites of Temora, southeastern Australia. Geology, 2005, 33, 797.	4.4	186
22	Thermal evolution, rate of exhumation, and tectonic significance of metamorphic rocks from the floor of the Alboran extensional basin, western Mediterranean. Tectonics, 1998, 17, 671-689.	2.8	184
23	Onset of mid-crustal extensional flow in southern Tibet: Evidence from U/Pb zircon ages. Geology, 2007, 35, 45.	4.4	184
24	Early formation of planetary building blocks inferred from Pb isotopic ages of chondrules. Science Advances, 2017, 3, e1700407.	10.3	174
25	Trace element signature and Uâ€“Pb geochronology of eclogite-facies zircon, Bergen Arcs, Caledonides of W Norway. Contributions To Mineralogy and Petrology, 2004, 147, 671-683.	3.1	170
26	Concurrent Pbâ€“Hf isotope analysis of zircon by laser ablation multi-collector ICP-MS, with implications for the crustal evolution of Greenland and the Himalayas. Chemical Geology, 2009, 261, 244-260.	3.3	164
27	Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late orogenic extension. Geology, 2003, 31, 251.	4.4	158
28	Mobilization of radiogenic Pb in zircon revealed by ion imaging: Implications for early Earth geochronology. Geology, 2013, 41, 291-294.	4.4	152
29	Age and composition of young basalts on the Moon, measured from samples returned by Changâ€™e-5. Science, 2021, 374, 887-890.	12.6	148
30	Early Precambrian gneiss terranes and Pan-African island arcs in Yemen: Crustal accretion of the eastern Arabian Shield. Geology, 1996, 24, 131.	4.4	147
31	Temporal constraints on the Paleoproterozoic Lomagundi-Jatuli carbon isotopic event. Geology, 2007, 35, 655.	4.4	146
32	Hercynian, Pan-African, Proterozoic and Archean ion-microprobe zircon ages for a Betic-Rif core complex, Alpine belt, W Mediterranean â€“ consequences for its P-T-t path. Contributions To Mineralogy and Petrology, 1999, 134, 134-149.	3.1	145
33	Episodic, mafic crust formation from 4.5 to 2.8 Ga: New evidence from detrital zircons, Slave craton, Canada. Geology, 2008, 36, 875.	4.4	143
34	Pinpointing the Source of a Lunar Meteorite: Implications for the Evolution of the Moon. Science, 2004, 305, 657-659.	12.6	140
35	On the overabundance of light rare earth elements in terrestrial zircons and its implication for Earthâ€™s earliest magmatic differentiation. Earth and Planetary Science Letters, 2002, 204, 333-346.	4.4	138
36	Volcanic resurfacing and the early terrestrial crust: Zircon Uâ€“Pb and REE constraints from the Isua Greenstone Belt, southern West Greenland. Earth and Planetary Science Letters, 2005, 240, 276-290.	4.4	135

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37	Re-evaluation of the origin and evolution of >4.2 Ga zircons from the Jack Hills metasedimentary rocks. Earth and Planetary Science Letters, 2006, 244, 218-233.	4.4	133
38	Sources and evolution of arc magmas inferred from coupled O and Hf isotope systematics of plutonic zircons from the Cretaceous Separation Point Suite (New Zealand). Earth and Planetary Science Letters, 2008, 268, 312-324.	4.4	130
39	Inheritance of early Archaean Pb-isotope variability from long-lived Hadean protocrust. Contributions To Mineralogy and Petrology, 2003, 145, 25-46.	3.1	128
40	The Lapland-Kola orogen: Palaeoproterozoic collision and accretion of the northern Fennoscandian lithosphere. Geological Society Memoir, 2006, 32, 579-598.	1.7	128
41	Provenance and Terrane Evolution of the Kalak Nappe Complex, Norwegian Caledonides: Implications for Neoproterozoic Paleogeography and Tectonics. Journal of Geology, 2007, 115, 21-41.	1.4	128
42	The volatile inventory (F, Cl, Br, S, C) of magmatic apatite: An integrated analytical approach. Chemical Geology, 2012, 291, 241-255.	3.3	121
43	Distribution of halogens between fluid and apatite during fluid-mediated replacement processes. Geochimica Et Cosmochimica Acta, 2015, 170, 225-246.	3.9	120
44	Generation and preservation of continental crust in the Grenville Orogeny. Geoscience Frontiers, 2015, 6, 357-372.	8.4	117
45	Integrated Pb- and S-isotope investigation of sulphide minerals from the early Archaean of southwest Greenland. Chemical Geology, 2005, 222, 112-131.	3.3	115
46	The Sa'al volcano-sedimentary complex (Sinai, Egypt): A latest Mesoproterozoic volcanic arc in the northern Arabian Nubian Shield. Geology, 2012, 40, 403-406.	4.4	115
47	The Mara Rosa Arch in the Tocantins Province: further evidence for Neoproterozoic crustal accretion in Central Brazil. Precambrian Research, 1997, 81, 299-310.	2.7	114
48	Early Miocene high-temperature metamorphism and rapid exhumation in the Betic Cordillera (Spain): evidence from Uâ€“Pb zircon ages. Earth and Planetary Science Letters, 1999, 171, 591-605.	4.4	114
49	Improved isotopic SIMS measurements of uranium particles for nuclear safeguard purposes. Journal of Analytical Atomic Spectrometry, 2009, 24, 277.	3.0	114
50	Evidence for extremely rapid magma ocean crystallization and crust formation on Mars. Nature, 2018, 558, 586-589.	27.8	111
51	Magmatism and early-Variscan continental subduction in the northern Gondwana margin recorded in zircons from the basal units of Galicia, NW Spain. Bulletin of the Geological Society of America, 2010, 122, 219-235.	3.3	110
52	Granitic magmatism of Grenvillian and late Neoproterozoic age in Finnmark, Arctic Norwayâ€”Constraining pre-Scandian deformation in the Kalak Nappe Complex. Precambrian Research, 2006, 145, 24-52.	2.7	108
53	Ion microprobe Uî—¸Pb zircon geochronology and isotopic evidence for a trans-crustal suture in the Laplandâ€“Kola Orogen, northern Fennoscandian Shield. Precambrian Research, 2001, 105, 289-314.	2.7	106
54	Questioning the evidence for Earth's earliest lifeâ€”Akilia revisited. Geology, 2005, 33, 77.	4.4	105

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55	Boreal feather mosses secrete chemical signals to gain nitrogen. New Phytologist, 2013, 200, 54-60.	7.3	104
56	Chemical characterization of earthâ€™s most ancient clastic metasediments from the Isua Greenstone Belt, southern West Greenland. Geochimica Et Cosmochimica Acta, 2005, 69, 1555-1573.	3.9	103
57	Archean of Greenland and Fennoscandia. Episodes, 2008, 31, 13-19.	1.2	102
58	Crustal evolution and terrane correlation in the eastern Arabian Shield, Yemen: geochronological constraints. Journal of the Geological Society, 1998, 155, 281-295.	2.1	101
59	Precambrian basement character of Yemen and correlations with Saudi Arabia and Somalia. Precambrian Research, 2001, 105, 357-369.	2.7	101
60	Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a P â€“ T â€“time array. Journal of the Geological Society, 2003, 160, 655-676.	2.1	101
61	Microscale heterogeneity of Fe isotopes in >3.71 Ga banded iron formation from the Isua Greenstone Belt, southwest Greenland. Geology, 2007, 35, 719.	4.4	101
62	New isotopic age determinations for the Torridonian, NW Scotland. Journal of the Geological Society, 1996, 153, 955-964.	2.1	99
63	Ndâ€“Srâ€“Hfâ€“O isotope provinciality in the northernmost Arabianâ€“Nubian Shield: implications for crustal evolution. Contributions To Mineralogy and Petrology, 2010, 160, 181-201.	3.1	98
64	Two coexisting sulfur metabolisms in a ca. 3400 Ma sandstone. Geology, 2010, 38, 1115-1118.	4.4	98
65	Timing of ophiolite obduction in the Grampian orogen. Bulletin of the Geological Society of America, 2010, 122, 1787-1799.	3.3	97
66	Fluid-assisted zircon and monazite growth within a shear zone: a case study from Finnmark, Arctic Norway. Contributions To Mineralogy and Petrology, 2009, 158, 637-657.	3.1	96
67	The controversial â€œCambrianâ€• fossils of the Vindhyan are real but more than a billion years older. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7729-7734.	7.1	95
68	Uâ€“Pb Detrital Zircon Analysis â€“ Results of an Interâ€laboratory Comparison. Geostandards and Geoanalytical Research, 2013, 37, 243-259.	3.1	95
69	Long-term stability of alpha particle damage in natural zircon. Chemical Geology, 2005, 220, 83-103.	3.3	93
70	Zircon geochronology in polymetamorphic gneisses in the Sveconorwegian orogen, SW Sweden: ion microprobe evidence for 1.46â€“1.42 and 0.98â€“0.96 Ga reworking. Precambrian Research, 2002, 113, 193-225.	2.7	92
71	SIMS Uâ€“Pb study of zircon from Apollo 14 and 17 breccias: Implications for the evolution of lunar KREEP. Geochimica Et Cosmochimica Acta, 2008, 72, 668-689.	3.9	92
72	Exploring the plutonic-volcanic link: a zircon U-Pb, Lu-Hf and O isotope study of paired volcanic and granitic units from southeastern Australia. Transactions of the Royal Society of Edinburgh: Earth Sciences, 2008, 97, 337-355.	0.7	90

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73	Three successive Proterozoic island arcs in the Northern Arabianâ€“Nubian Shield: Evidence from SIMS Uâ€“Pb dating of zircon. Gondwana Research, 2014, 25, 338-357.	6.0	90
74	In Situ Trace Element and Sulfur Isotope Analysis of Pyrite in a Paleoproterozoic Gold Placer Deposit, Pardo and Clement Townships, Ontario, Canada. Economic Geology, 2011, 106, 667-686.	3.8	89
75	Contribution of pre Pan-African crust to formation of the Arabian Nubian Shield: New secondary ionization mass spectrometry U-Pb and O studies of zircon. Geology, 2009, 37, 899-902.	4.4	88
76	Middle to late Miocene extremely rapid exhumation and thermal reequilibration in the Kung Co rift, southern Tibet. Tectonics, 2011, 30, .	2.8	88
77	Petrogenesis of Malaysian granitoids in the Southeast Asian tin belt: Part 2. U-Pb zircon geochronology and tectonic model. Bulletin of the Geological Society of America, 2015, 127, 1238-1258.	3.3	88
78	Anaerobic consortia of fungi and sulfate reducing bacteria in deep granite fractures. Nature Communications, 2017, 8, 55.	12.8	88
79	N2-fixation, ammonium release and N-transfer to the microbial and classical food web within a plankton community. ISME Journal, 2016, 10, 450-459.	9.8	87
80	A zircon U-Pb study of metaluminous (I-type) granites of the Lachlan Fold Belt, southeastern Australia: implications for the high/low temperature classification and magma differentiation processes. Contributions To Mineralogy and Petrology, 2005, 150, 230-249.	3.1	83
81	Multiple Sulfur Isotope Determination by <scp>SIMS</scp>: Evaluation of Reference Sulfides for Î”³³S with Observations and a Case Study on the Determination of Î”³⁶S. Geostandards and Geoanalytical Research, 2013, 37, 19-33.	3.1	83
82	Zircon ages of the metavolcanic rocks and metagranites of the Ollo de Sapo Domain in central Spain: implications for the Neoproterozoic to Early Palaeozoic evolution of Iberia. Geological Magazine, 2007, 144, 963-976.	1.5	82
83	High precision, high accuracy measurement of oxygen isotopes in a large lunar zircon by SIMS. Chemical Geology, 2009, 261, 32-42.	3.3	82
84	The Khida Terrane ? Geochronological and Isotopic Evidence for Paleoproterozoic and Archean Crust in the Eastern Arabian Shield of Saudi Arabia. Gondwana Research, 2001, 4, 200-202.	6.0	81
85	Combined U-Pb geochronology and Hf isotope geochemistry of detrital zircons from early Paleozoic sedimentary rocks, Ellsworth-Whitmore Mountains block, Antarctica. Bulletin of the Geological Society of America, 2007, 119, 275-288.	3.3	81
86	The Ediacaran Ferani and Rutig volcano-sedimentary successions of the northernmost Arabian-Nubian Shield (ANS): New insights from zircon Uâ€“Pb geochronology, geochemistry and Oâ€“Nd isotope ratios. Precambrian Research, 2011, 188, 21-44.	2.7	81
87	Zircon Geochronology of the Ollo de Sapo Formation and the Age of the Cambro-Ordovician Rifting in Iberia. Journal of Geology, 2009, 117, 174-191.	1.4	79
88	Multichronometric Evidence for an In Situ Origin of the Ultrahighâ€Pressure Metamorphic Terrane of Dabieshan, China. Journal of Geology, 2001, 109, 633-646.	1.4	78
89	Micro-scale sulphur isotope evidence for sulphur cycling in the late Archean shallow ocean. Geobiology, 2006, 5, 061221060249002-???.	2.4	78
90	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system. Ore Geology Reviews, 2016, 79, 26-45.	2.7	78

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91	Extreme 13C depletion of carbonates formed during oxidation of biogenic methane in fractured granite. Nature Communications, 2015, 6, 7020.	12.8	76
92	The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. Gondwana Research, 2018, 62, 27-60.	6.0	76
93	Repeated age resetting in zircons from Hercynianâ€“Alpine polymetamorphic schists (Beticâ€“Rif tectonic) Tj ETQq1 1 0.784314 rgBT	3.3	75
94	The comparative behavior of apatiteâ€zircon Uâ€Pb systems in Apollo 14 breccias: Implications for the thermal history of the Fra Mauro Formation. Meteoritics and Planetary Science, 2009, 44, 1717-1734.	1.6	74
95	Constraints on fluid evolution during metamorphism from Uâ€“Thâ€“Pb systematics in Alpine hydrothermal monazite. Chemical Geology, 2012, 326-327, 61-71.	3.3	74
96	Basementâ€“cover relationships of the Kalak Nappe Complex, Arctic Norwegian Caledonides and constraints on Neoproterozoic terrane assembly in the North Atlantic region. Precambrian Research, 2008, 160, 245-276.	2.7	73
97	Brittle-ductile microfabrics in naturally deformed zircon: Deformation mechanisms and consequences for U-Pb dating. American Mineralogist, 2012, 97, 1544-1563.	1.9	73
98	Petrogenesis of Malaysian granitoids in the Southeast Asian tin belt: Part 1. Geochemical and Sr-Nd isotopic characteristics. Bulletin of the Geological Society of America, 2015, 127, 1209-1237.	3.3	73
99	Recycling of continental crust into the mantle as revealed by Kytlym dunite zircons, Ural Mts, Russia. Terra Nova, 2001, 13, 407-412.	2.1	72
100	U-Pb ion microprobe dating and Sr and Nd isotope geology of the GaliÃ±eiro Igneous Complex. Lithos, 2009, 107, 227-238.	1.4	72
101	Contrasting Granite Metallogeny through the Zircon Record: A Case Study from Myanmar. Scientific Reports, 2017, 7, 748.	3.3	72
102	Resorption, growth, solid state recrystallisation, and annealing of granulite facies zirconâ”a case study from the Central Erzgebirge, Bohemian Massif. Lithos, 2005, 82, 25-50.	1.4	71
103	Granulite fades Nd-isotopic homogenization in the Lewisian complex of northwest Scotland. Nature, 1988, 331, 705-707.	27.8	69
104	Uncovering and quantifying the subduction zone sulfur cycle from the slab perspective. Nature Communications, 2020, 11, 514.	12.8	69
105	Timing of highâ€pressure metamorphism and exhumation of the eclogite typeâ€locality (Kupplerbrunnâ€“Prickler Halt, Saualpe, southâ€eastern Austria): constraints from correlations of the Smâ€“Nd, Luâ€“Hf, Uâ€“Pb and Rbâ€“Sr isotopic systems. Journal of Metamorphic Geology, 2008, 26, 561-581.	3.4	68
106	Metallic lead nanospheres discovered in ancient zircons. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4958-4963.	7.1	68
107	Zircon thermometry and Uâ€“Pb ion-microprobe dating of the gabbros and associated migmatites of the Variscan Toledo Anatectic Complex, Central Iberia. Journal of the Geological Society, 2006, 163, 847-855.	2.1	67
108	In-situ zircon Uâ€“Pb, oxygen and hafnium isotopic evidence for magma mixing and mantle metasomatism in the Tuscan Magmatic Province, Italy. Earth and Planetary Science Letters, 2011, 305, 45-56.	4.4	67

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109	Volatile cycling of <scp>H₂O</scp>, <scp>CO</scp>₂, <scp>F</scp>, and <scp>C</scp>l in the <scp>HIMU</scp> mantle: A new window provided by melt inclusions from oceanic hot spot lavas at <scp>M</scp>angaia, <scp>C</scp>ook <scp>I</scp>slands. Geochemistry, Geophysics, Geosystems, 2014, 15, 4445-4467.	2.5	67
110	Geochemistry of enclaves and host granites from the Nelas area, central Portugal. Lithos, 2000, 50, 153-170.	1.4	66
111	A review of the isotopic and trace element evidence for mantle and crustal processes in the Hadean and Archean: Implications for the onset of plate tectonic subduction. , 2008, , 1-29.		64
112	Pb-isotopic evidence for an early, enriched crust on Mars. Earth and Planetary Science Letters, 2015, 410, 34-41.	4.4	64
113	Fluid source and methane-related diagenetic processes recorded in cold seep carbonates from the Alvheim channel, central North Sea. Chemical Geology, 2016, 432, 16-33.	3.3	64
114	Pb-isotopic evidence for U-Th-Pb behaviour in a prograde amphibolite to granulite fades transition from the Lewisian complex of north-west Scotland: Implications for Pb-Pb dating. Geochimica Et Cosmochimica Acta, 1989, 53, 717-724.	3.9	63
115	Precise determination of the isotopic composition of Sn using MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2002, 17, 1248-1256.	3.0	62
116	Archean cherts in banded iron formation: Insight into Neoarchean ocean chemistry and depositional processes. Precambrian Research, 2012, 214-215, 227-257.	2.7	62
117	Phosphate ages in Apollo 14 breccias: Resolving multiple impact events with high precision Uâ€“Pb SIMS analyses. Geochimica Et Cosmochimica Acta, 2016, 174, 13-29.	3.9	62
118	Sm-Nd evidence for diachronous crustal accretion in the Lewisian complex of northwest Scotland. Tectonophysics, 1989, 161, 245-256.	2.2	61
119	Cellâ€specific nitrogenâ€and carbonâ€fixation of cyanobacteria in a temperate marine system (Baltic Sea). Environmental Microbiology, 2016, 18, 4596-4609.	3.8	61
120	Characterizing the â€œfungal shuntâ€• Parasitic fungi on diatoms affect carbon flow and bacterial communities in aquatic microbial food webs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	61
121	Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland:. Precambrian Research, 1998, 91, 365-381.	2.7	60
122	New field, structural and geochronological data from the Shyok and Nubra valleys, northern Ladakh: linking Kohistan to Tibet. Geological Society Special Publication, 2000, 170, 253-275.	1.3	60
123	Mantle source heterogeneity for South Tyrrhenian magmas revealed by Pb isotopes and halogen contents of olivine-hosted melt inclusions. Chemical Geology, 2012, 334, 266-279.	3.3	60
124	Lunar basalt chronology, mantle differentiation and implications for determining the age of the Moon. Earth and Planetary Science Letters, 2016, 451, 149-158.	4.4	60
125	A Permian underplating event in late- to post-orogenic tectonic setting. Evidence from the maficâ€“ultramafic layered xenoliths from Beaunit (French Massif Central). Chemical Geology, 2003, 199, 293-315.	3.3	59
126	Neoproterozoic palaeogeography in the North Atlantic Region: Inferences from the Akkajaure and Seve Nappes of the Scandinavian Caledonides. Precambrian Research, 2011, 186, 127-146.	2.7	59

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127	Archean crustal evolution of the Suomussalmi district as part of the Kianta Complex, Karelia: Constraints from geochemistry and isotopes of granitoids. Lithos, 2011, 125, 287-307.	1.4	59
128	Uâ€“Pb Zircon geochronology of the Cambro-Ordovician metagranites and metavolcanic rocks of central and NW Iberia. International Journal of Earth Sciences, 2013, 102, 1-23.	1.8	59
129	A new 3.59â€¯Ga magmatic suite and a chondritic source to the east Pilbara Craton. Chemical Geology, 2019, 511, 51-70.	3.3	59
130	New geochronological data on Palaeozoic igneous activity and deformation in the Severnaya Zemlya Archipelago, Russia, and implications for the development of the Eurasian Arctic margin. Geological Magazine, 2007, 144, 105-125.	1.5	58
131	A light carbon reservoir recorded in zircon-hosted diamond from the Jack Hills. Nature, 2008, 454, 92-95.	27.8	58
132	Extreme Nd-isotope heterogeneity in the early Archaeanâ€”fact or fiction? Case histories from northern Canada and West Greenlandâ€”Reply. Chemical Geology, 1998, 148, 219-224.	3.3	57
133	The Feiranâ€“Solaf metamorphic complex, Sinai, Egypt: Geochronological and geochemical constraints on its evolution. Precambrian Research, 2013, 239, 106-125.	2.7	57
134	Behaviour of radiogenic Pb in zircon during ultrahigh-temperature metamorphism: an ion imaging and ion tomography case study from the Kerala Khondalite Belt, southern India. Contributions To Mineralogy and Petrology, 2014, 168, 1.	3.1	57
135	The origin of the Palaeoproterozoic AMCG complexes in the Ukrainian shield: New U-Pb ages and Hf isotopes in zircon. Precambrian Research, 2017, 292, 216-239.	2.7	57
136	Chlorine and hydrogen degassing in Vesta's magma ocean. Earth and Planetary Science Letters, 2017, 459, 311-319.	4.4	57
137	Geochemical, Uâ€“Pb zircon, and Nd isotope investigations of the Neoproterozoic Ghawjah Metavolcanic rocks, Northwestern Saudi Arabia. Lithos, 2010, 120, 379-392.	1.4	56
138	Archaean granitoids: an overview and significance from a tectonic perspective. Geological Society Special Publication, 2017, 449, 1-18.	1.3	56
139	Terrestrial-like zircon in a clast from an Apollo 14 breccia. Earth and Planetary Science Letters, 2019, 510, 173-185.	4.4	56
140	U-Pb chronometry of polymetamorphic high-pressure granulites: An example from the allochthonous terranes of the NW Iberian Variscan belt. Memoir of the Geological Society of America, 2007, , 469-488.	0.5	55
141	Luâ€“Hf and O isotopic compositions on single zircons from the North Eastern Desert of Egypt, Arabianâ€“Nubian Shield: Implications for crustal evolution. Gondwana Research, 2016, 32, 181-192.	6.0	55
142	The effect of weathering on Uâ€“Thâ€“Pb and oxygen isotope systems of ancient zircons from the Jack Hills, Western Australia. Geochimica Et Cosmochimica Acta, 2017, 197, 142-166.	3.9	55
143	Detrital zircon ages from southern Norway - implications for the Proterozoic evolution of the southwestern Baltic Shield. Contributions To Mineralogy and Petrology, 1997, 130, 47-58.	3.1	54
144	On the difficulty of assigning crustal residence, magmatic protolith and metamorphic ages to Lewisian granulites: constraints from combined in situ Uâ€“Pb and Luâ€“Hf isotopes. Geological Society Special Publication, 2010, 335, 81-101.	1.3	54

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145	Provenance of conglomerate clasts from the volcano-sedimentary sequence at Wadi Rutig in southern Sinai, Egypt as revealed by SIMS Uâ€“Pb dating of zircon. Gondwana Research, 2011, 20, 450-464.	6.0	54
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