

Martin J Whitehouse

List of Publications by Year in descending order

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496
papers

29,879
citations

6233

80
h-index

8138

148
g-index

523
all docs

523
docs citations

523
times ranked

12858
citing authors

#	ARTICLE	IF	CITATIONS
1	PleÅovice zircon – A new natural reference material for U–Pb and Hf isotopic microanalysis. <i>Chemical Geology</i> , 2008, 249, 1-35.	1.4	3,858
2	Magmatic and Crustal Differentiation History of Granitic Rocks from Hf-O Isotopes in Zircon. <i>Science</i> , 2007, 315, 980-983.	6.0	1,154
3	Further Characterisation of the 91500 Zircon Crystal. <i>Geostandards and Geoanalytical Research</i> , 2004, 28, 9-39.	2.0	1,142
4	Characterisation of early Archaean chemical sediments by trace element signatures. <i>Earth and Planetary Science Letters</i> , 2004, 222, 43-60.	1.8	571
5	Age significance of U–Th–Pb zircon data from early Archaean rocks of west Greenland – a reassessment based on combined ion-microprobe and imaging studies. <i>Chemical Geology</i> , 1999, 160, 201-224.	1.4	512
6	Dating high-grade metamorphism – constraints from rare-earth elements in zircon and garnet. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 61-74.	1.2	452
7	Shisha Pangma Leucogranite, South Tibetan Himalaya: Field Relations, Geochemistry, Age, Origin, and Emplacement. <i>Journal of Geology</i> , 1997, 105, 295-318.	0.7	345
8	Assigning Dates to Thin Gneissic Veins in High-Grade Metamorphic Terranes: A Cautionary Tale from Akilia, Southwest Greenland. <i>Journal of Petrology</i> , 2004, 46, 291-318.	1.1	318
9	Ion microprobe U-Pb zircon geochronology and correlation of Archaean gneisses from the Lewisian Complex of Gruinard Bay, northwestern Scotland. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 4429-4438.	1.6	284
10	Hafnium isotope evidence for a transition in the dynamics of continental growth 3.2% Gyr ago. <i>Nature</i> , 2012, 485, 627-630.	13.7	254
11	Large colonial organisms with coordinated growth in oxygenated environments 2.1% Gyr ago. <i>Nature</i> , 2010, 466, 100-104.	13.7	235
12	Tectonic evolution of the Sibumasu – Indochina terrane collision zone in Thailand and Malaysia: constraints from new U–Pb zircon chronology of SE Asian tin granitoids. <i>Journal of the Geological Society</i> , 2012, 169, 489-500.	0.9	216
13	Zircon as a Monitor of Crustal Growth. <i>Elements</i> , 2007, 3, 19-24.	0.5	211
14	Anomalous sulphur isotopes in plume lavas reveal deep mantle storage of Archaean crust. <i>Nature</i> , 2013, 496, 490-493.	13.7	205
15	U-Pb geochronologic evidence for the evolution of the Gondwanan margin of the north-central Andes. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 697-711.	1.6	204
16	Extreme Nd-isotope heterogeneity in the early Archaean – fact or fiction? Case histories from northern Canada and West Greenland. <i>Chemical Geology</i> , 1997, 135, 213-231.	1.4	198
17	Post-collisional tectonomagmatic evolution in the northern Arabian – Nubian Shield: time constraints from ion-probe U–Pb dating of zircon. <i>Journal of the Geological Society</i> , 2009, 166, 71-85.	0.9	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. <i>Journal of Petrology</i> , 2001, 42, 355-375.	1.1	195

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19	Three-dimensional preservation of cellular and subcellular structures suggests 1.6 billion-year-old crown-group red algae. <i>PLoS Biology</i> , 2017, 15, e2000735.	2.6	192
20	Metasomatic Origin of Quartz-Pyroxene Rock, Akilia, Greenland, and Implications for Earth's Earliest Life. <i>Science</i> , 2002, 296, 1448-1452.	6.0	187
21	Hf isotopes in zircon reveal contrasting sources and crystallization histories for alkaline to peralkaline granites of Temora, southeastern Australia. <i>Geology</i> , 2005, 33, 797.	2.0	186
22	Thermal evolution, rate of exhumation, and tectonic significance of metamorphic rocks from the floor of the Alboran extensional basin, western Mediterranean. <i>Tectonics</i> , 1998, 17, 671-689.	1.3	184
23	Onset of mid-crustal extensional flow in southern Tibet: Evidence from U/Pb zircon ages. <i>Geology</i> , 2007, 35, 45.	2.0	184
24	Early formation of planetary building blocks inferred from Pb isotopic ages of chondrules. <i>Science Advances</i> , 2017, 3, e1700407.	4.7	174
25	Trace element signature and U-Pb geochronology of eclogite-facies zircon, Bergen Arcs, Caledonides of W Norway. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 671-683.	1.2	170
26	Concurrent Pb-Hf isotope analysis of zircon by laser ablation multi-collector ICP-MS, with implications for the crustal evolution of Greenland and the Himalayas. <i>Chemical Geology</i> , 2009, 261, 244-260.	1.4	164
27	Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late orogenic extension. <i>Geology</i> , 2003, 31, 251.	2.0	158
28	Mobilization of radiogenic Pb in zircon revealed by ion imaging: Implications for early Earth geochronology. <i>Geology</i> , 2013, 41, 291-294.	2.0	152
29	Age and composition of young basalts on the Moon, measured from samples returned by Chang'e-5. <i>Science</i> , 2021, 374, 887-890.	6.0	148
30	Early Precambrian gneiss terranes and Pan-African island arcs in Yemen: Crustal accretion of the eastern Arabian Shield. <i>Geology</i> , 1996, 24, 131.	2.0	147
31	Temporal constraints on the Paleoproterozoic Lomagundi-Jatuli carbon isotopic event. <i>Geology</i> , 2007, 35, 655.	2.0	146
32	Hercynian, Pan-African, Proterozoic and Archean ion-microprobe zircon ages for a Betic-Rif core complex, Alpine belt, W Mediterranean - consequences for its P-T-t path. <i>Contributions To Mineralogy and Petrology</i> , 1999, 134, 134-149.	1.2	145
33	Episodic, mafic crust formation from 4.5 to 2.8 Ga: New evidence from detrital zircons, Slave craton, Canada. <i>Geology</i> , 2008, 36, 875.	2.0	143
34	Pinpointing the Source of a Lunar Meteorite: Implications for the Evolution of the Moon. <i>Science</i> , 2004, 305, 657-659.	6.0	140
35	On the overabundance of light rare earth elements in terrestrial zircons and its implication for Earth's earliest magmatic differentiation. <i>Earth and Planetary Science Letters</i> , 2002, 204, 333-346.	1.8	138
36	Volcanic resurfacing and the early terrestrial crust: Zircon U-Pb and REE constraints from the Isua Greenstone Belt, southern West Greenland. <i>Earth and Planetary Science Letters</i> , 2005, 240, 276-290.	1.8	135

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37	Re-evaluation of the origin and evolution of >4.2 Ga zircons from the Jack Hills metasedimentary rocks. <i>Earth and Planetary Science Letters</i> , 2006, 244, 218-233.	1.8	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). <i>Earth and Planetary Science Letters</i> , 2008, 268, 312-324.	1.8	130
39	Inheritance of early Archaean Pb-isotope variability from long-lived Hadean protocrust. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 25-46.	1.2	128
40	The Lapland-Kola orogen: Palaeoproterozoic collision and accretion of the northern Fennoscandian lithosphere. <i>Geological Society Memoir</i> , 2006, 32, 579-598.	0.9	128
41	Provenance and Terrane Evolution of the Kalak Nappe Complex, Norwegian Caledonides: Implications for Neoproterozoic Paleogeography and Tectonics. <i>Journal of Geology</i> , 2007, 115, 21-41.	0.7	128
42	The volatile inventory (F, Cl, Br, S, C) of magmatic apatite: An integrated analytical approach. <i>Chemical Geology</i> , 2012, 291, 241-255.	1.4	121
43	Distribution of halogens between fluid and apatite during fluid-mediated replacement processes. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 170, 225-246.	1.6	120
44	Generation and preservation of continental crust in the Grenville Orogeny. <i>Geoscience Frontiers</i> , 2015, 6, 357-372.	4.3	117
45	Integrated Pb- and S-isotope investigation of sulphide minerals from the early Archaean of southwest Greenland. <i>Chemical Geology</i> , 2005, 222, 112-131.	1.4	115
46	The Sa'al volcano-sedimentary complex (Sinai, Egypt): A latest Mesoproterozoic volcanic arc in the northern Arabian Nubian Shield. <i>Geology</i> , 2012, 40, 403-406.	2.0	115
47	The Mara Rosa Arch in the Tocantins Province: further evidence for Neoproterozoic crustal accretion in Central Brazil. <i>Precambrian Research</i> , 1997, 81, 299-310.	1.2	114
48	Early Miocene high-temperature metamorphism and rapid exhumation in the Betic Cordillera (Spain): evidence from U–Pb zircon ages. <i>Earth and Planetary Science Letters</i> , 1999, 171, 591-605.	1.8	114
49	Improved isotopic SIMS measurements of uranium particles for nuclear safeguard purposes. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 277.	1.6	114
50	Evidence for extremely rapid magma ocean crystallization and crust formation on Mars. <i>Nature</i> , 2018, 558, 586-589.	13.7	111
51	Magmatism and early-Variscan continental subduction in the northern Gondwana margin recorded in zircons from the basal units of Galicia, NW Spain. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 219-235.	1.6	110
52	Granitic magmatism of Grenvillian and late Neoproterozoic age in Finnmark, Arctic Norway—Constraining pre-Scandian deformation in the Kalak Nappe Complex. <i>Precambrian Research</i> , 2006, 145, 24-52.	1.2	108
53	Ion microprobe U–Pb zircon geochronology and isotopic evidence for a trans-crustal suture in the Lapland–Kola Orogen, northern Fennoscandian Shield. <i>Precambrian Research</i> , 2001, 105, 289-314.	1.2	106
54	Questioning the evidence for Earth's earliest life—Akilia revisited. <i>Geology</i> , 2005, 33, 77.	2.0	105

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55	Boreal feather mosses secrete chemical signals to gain nitrogen. <i>New Phytologist</i> , 2013, 200, 54-60.	3.5	104
56	Chemical characterization of earth's most ancient clastic metasediments from the Isua Greenstone Belt, southern West Greenland. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1555-1573.	1.6	103
57	Archean of Greenland and Fennoscandia. <i>Episodes</i> , 2008, 31, 13-19.	0.8	102
58	Crustal evolution and terrane correlation in the eastern Arabian Shield, Yemen: geochronological constraints. <i>Journal of the Geological Society</i> , 1998, 155, 281-295.	0.9	101
59	Precambrian basement character of Yemen and correlations with Saudi Arabia and Somalia. <i>Precambrian Research</i> , 2001, 105, 357-369.	1.2	101
60	Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a P-T-time array. <i>Journal of the Geological Society</i> , 2003, 160, 655-676.	0.9	101
61	Microscale heterogeneity of Fe isotopes in >3.71 Ga banded iron formation from the Isua Greenstone Belt, southwest Greenland. <i>Geology</i> , 2007, 35, 719.	2.0	101
62	New isotopic age determinations for the Torridonian, NW Scotland. <i>Journal of the Geological Society</i> , 1996, 153, 955-964.	0.9	99
63	Nd-Sr-Hf-O isotope provinciality in the northernmost Arabian-Nubian Shield: implications for crustal evolution. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 181-201.	1.2	98
64	Two coexisting sulfur metabolisms in a ca. 3400 Ma sandstone. <i>Geology</i> , 2010, 38, 1115-1118.	2.0	98
65	Timing of ophiolite obduction in the Grampian orogen. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1787-1799.	1.6	97
66	Fluid-assisted zircon and monazite growth within a shear zone: a case study from Finnmark, Arctic Norway. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 637-657.	1.2	96
67	The controversial Cambrian fossils of the Vindhyan are real but more than a billion years older. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7729-7734.	3.3	95
68	U-Pb Detrital Zircon Analysis Results of an Interlaboratory Comparison. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 243-259.	1.7	95
69	Long-term stability of alpha particle damage in natural zircon. <i>Chemical Geology</i> , 2005, 220, 83-103.	1.4	93
70	Zircon geochronology in polymetamorphic gneisses in the Sveconorwegian orogen, SW Sweden: ion microprobe evidence for 1.46-1.42 and 0.98-0.96 Ga reworking. <i>Precambrian Research</i> , 2002, 113, 193-225.	1.2	92
71	SIMS U-Pb study of zircon from Apollo 14 and 17 breccias: Implications for the evolution of lunar KREEP. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 668-689.	1.6	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. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2008, 97, 337-355.	1.0	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. <i>Gondwana Research</i> , 2014, 25, 338-357.	3.0	90
74	In Situ Trace Element and Sulfur Isotope Analysis of Pyrite in a Paleoproterozoic Gold Placer Deposit, Pardo and Clement Townships, Ontario, Canada. <i>Economic Geology</i> , 2011, 106, 667-686.	1.8	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. <i>Geology</i> , 2009, 37, 899-902.	2.0	88
76	Middle to late Miocene extremely rapid exhumation and thermal reequilibration in the Kung Co rift, southern Tibet. <i>Tectonics</i> , 2011, 30, .	1.3	88
77	Petrogenesis of Malaysian granitoids in the Southeast Asian tin belt: Part 2. U-Pb zircon geochronology and tectonic model. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1238-1258.	1.6	88
78	Anaerobic consortia of fungi and sulfate reducing bacteria in deep granite fractures. <i>Nature Communications</i> , 2017, 8, 55.	5.8	88
79	N ₂ -fixation, ammonium release and N-transfer to the microbial and classical food web within a plankton community. <i>ISME Journal</i> , 2016, 10, 450-459.	4.4	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. <i>Contributions To Mineralogy and Petrology</i> , 2005, 150, 230-249.	1.2	83
81	Multiple Sulfur Isotope Determination by <sc>SIMS</sc>: Evaluation of Reference Sulfides for Î” ³³ S with Observations and a Case Study on the Determination of Î” ³⁶ S. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 19-33.	1.7	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. <i>Geological Magazine</i> , 2007, 144, 963-976.	0.9	82
83	High precision, high accuracy measurement of oxygen isotopes in a large lunar zircon by SIMS. <i>Chemical Geology</i> , 2009, 261, 32-42.	1.4	82
84	The Khida Terrane ? Geochronological and Isotopic Evidence for Paleoproterozoic and Archean Crust in the Eastern Arabian Shield of Saudi Arabia. <i>Gondwana Research</i> , 2001, 4, 200-202.	3.0	81
85	Combined U-Pb geochronology and Hf isotope geochemistry of detrital zircons from early Paleozoic sedimentary rocks, Ellsworth-Whitmore Mountains block, Antarctica. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 275-288.	1.6	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. <i>Precambrian Research</i> , 2011, 188, 21-44.	1.2	81
87	Zircon Geochronology of the Ollo de Sapo Formation and the Age of the Cambro-Ordovician Rifting in Iberia. <i>Journal of Geology</i> , 2009, 117, 174-191.	0.7	79
88	Multichronometric Evidence for an In Situ Origin of the Ultrahighâ€Pressure Metamorphic Terrane of Dabieshan, China. <i>Journal of Geology</i> , 2001, 109, 633-646.	0.7	78
89	Micro-scale sulphur isotope evidence for sulphur cycling in the late Archean shallow ocean. <i>Geobiology</i> , 2006, 5, 061221060249002-???	1.1	78
90	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system. <i>Ore Geology Reviews</i> , 2016, 79, 26-45.	1.1	78

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91	Extreme ^{13}C depletion of carbonates formed during oxidation of biogenic methane in fractured granite. <i>Nature Communications</i> , 2015, 6, 7020.	5.8	76
92	The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. <i>Gondwana Research</i> , 2018, 62, 27-60.	3.0	76
93	Repeated age resetting in zircons from Hercynian Alpine polymetamorphic schists (Betic Rif tectonic) Tj ETQq1_1 0.784314 rgBT 1.4 75	1.4	75
94	The comparative behavior of apatite-zircon U-Pb systems in Apollo 14 breccias: Implications for the thermal history of the Fra Mauro Formation. <i>Meteoritics and Planetary Science</i> , 2009, 44, 1717-1734.	0.7	74
95	Constraints on fluid evolution during metamorphism from U-Th-Pb systematics in Alpine hydrothermal monazite. <i>Chemical Geology</i> , 2012, 326-327, 61-71.	1.4	74
96	Basement-cover relationships of the Kalak Nappe Complex, Arctic Norwegian Caledonides and constraints on Neoproterozoic terrane assembly in the North Atlantic region. <i>Precambrian Research</i> , 2008, 160, 245-276.	1.2	73
97	Brittle-ductile microfabrics in naturally deformed zircon: Deformation mechanisms and consequences for U-Pb dating. <i>American Mineralogist</i> , 2012, 97, 1544-1563.	0.9	73
98	Petrogenesis of Malaysian granitoids in the Southeast Asian tin belt: Part 1. Geochemical and Sr-Nd isotopic characteristics. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1209-1237.	1.6	73
99	Recycling of continental crust into the mantle as revealed by Kytlym dunite zircons, Ural Mts, Russia. <i>Terra Nova</i> , 2001, 13, 407-412.	0.9	72
100	U-Pb ion microprobe dating and Sr and Nd isotope geology of the Galic�ero Igneous Complex. <i>Lithos</i> , 2009, 107, 227-238.	0.6	72
101	Contrasting Granite Metallogeny through the Zircon Record: A Case Study from Myanmar. <i>Scientific Reports</i> , 2017, 7, 748.	1.6	72
102	Resorption, growth, solid state recrystallisation, and annealing of granulite facies zircon—a case study from the Central Erzgebirge, Bohemian Massif. <i>Lithos</i> , 2005, 82, 25-50.	0.6	71
103	Granulite facies Nd-isotopic homogenization in the Lewisian complex of northwest Scotland. <i>Nature</i> , 1988, 331, 705-707.	13.7	69
104	Uncovering and quantifying the subduction zone sulfur cycle from the slab perspective. <i>Nature Communications</i> , 2020, 11, 514.	5.8	69
105	Timing of high-pressure metamorphism and exhumation of the eclogite type-locality (Kupplerbrunn-Prickler Halt, Saualpe, southeastern Austria): constraints from correlations of the Sm-Nd, Lu-Hf, U-Pb and Rb-Sr isotopic systems. <i>Journal of Metamorphic Geology</i> , 2008, 26, 561-581.	1.6	68
106	Metallic lead nanospheres discovered in ancient zircons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4958-4963.	3.3	68
107	Zircon thermometry and U-Pb ion-microprobe dating of the gabbros and associated migmatites of the Variscan Toledo Anatectic Complex, Central Iberia. <i>Journal of the Geological Society</i> , 2006, 163, 847-855.	0.9	67
108	In-situ zircon U-Pb, oxygen and hafnium isotopic evidence for magma mixing and mantle metasomatism in the Tuscan Magmatic Province, Italy. <i>Earth and Planetary Science Letters</i> , 2011, 305, 45-56.	1.8	67

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109	Volatile cycling of H_2O , CO_2 , F , and Cl in the HIMU mantle: A new window provided by melt inclusions from oceanic hot spot lavas at Mid-Atlantic Ridge islands. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4445-4467.	1.0	67
110	Geochemistry of enclaves and host granites from the Nelas area, central Portugal. <i>Lithos</i> , 2000, 50, 153-170.	0.6	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. <i>Earth and Planetary Science Letters</i> , 2015, 410, 34-41.	1.8	64
113	Fluid source and methane-related diagenetic processes recorded in cold seep carbonates from the Alvheim channel, central North Sea. <i>Chemical Geology</i> , 2016, 432, 16-33.	1.4	64
114	Pb-isotopic evidence for U-Th-Pb behaviour in a prograde amphibolite to granulite facies transition from the Lewisian complex of north-west Scotland: Implications for Pb-Pb dating. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 717-724.	1.6	63
115	Precise determination of the isotopic composition of Sn using MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1248-1256.	1.6	62
116	Archean cherts in banded iron formation: Insight into Neoproterozoic ocean chemistry and depositional processes. <i>Precambrian Research</i> , 2012, 214-215, 227-257.	1.2	62
117	Phosphate ages in Apollo 14 breccias: Resolving multiple impact events with high precision ^{206}Pb SIMS analyses. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 174, 13-29.	1.6	62
118	Sm-Nd evidence for diachronous crustal accretion in the Lewisian complex of northwest Scotland. <i>Tectonophysics</i> , 1989, 161, 245-256.	0.9	61
119	Cell-specific nitrogen and carbon fixation of cyanobacteria in a temperate marine system (Baltic Sea). <i>Environmental Microbiology</i> , 2016, 18, 4596-4609.	1.8	61
120	Characterizing the "fungal shunt": Parasitic fungi on diatoms affect carbon flow and bacterial communities in aquatic microbial food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	61
121	Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland. <i>Precambrian Research</i> , 1998, 91, 365-381.	1.2	60
122	New field, structural and geochronological data from the Shyok and Nubra valleys, northern Ladakh: linking Kohistan to Tibet. <i>Geological Society Special Publication</i> , 2000, 170, 253-275.	0.8	60
123	Mantle source heterogeneity for South Tyrrhenian magmas revealed by Pb isotopes and halogen contents of olivine-hosted melt inclusions. <i>Chemical Geology</i> , 2012, 334, 266-279.	1.4	60
124	Lunar basalt chronology, mantle differentiation and implications for determining the age of the Moon. <i>Earth and Planetary Science Letters</i> , 2016, 451, 149-158.	1.8	60
125	A Permian underplating event in late- to post-orogenic tectonic setting. Evidence from the mafic "ultramafic layered xenoliths from Beaunit (French Massif Central). <i>Chemical Geology</i> , 2003, 199, 293-315.	1.4	59
126	Neoproterozoic palaeogeography in the North Atlantic Region: Inferences from the Akkajaure and Seve Nappes of the Scandinavian Caledonides. <i>Precambrian Research</i> , 2011, 186, 127-146.	1.2	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. <i>Lithos</i> , 2011, 125, 287-307.	0.6	59
128	U–Pb Zircon geochronology of the Cambro-Ordovician metagranites and metavolcanic rocks of central and NW Iberia. <i>International Journal of Earth Sciences</i> , 2013, 102, 1-23.	0.9	59
129	A new 3.59 Ga magmatic suite and a chondritic source to the east Pilbara Craton. <i>Chemical Geology</i> , 2019, 511, 51-70.	1.4	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. <i>Geological Magazine</i> , 2007, 144, 105-125.	0.9	58
131	A light carbon reservoir recorded in zircon-hosted diamond from the Jack Hills. <i>Nature</i> , 2008, 454, 92-95.	13.7	58
132	Extreme Nd-isotope heterogeneity in the early Archaean—fact or fiction? Case histories from northern Canada and West Greenland—Reply. <i>Chemical Geology</i> , 1998, 148, 219-224.	1.4	57
133	The Feiran–Solaf metamorphic complex, Sinai, Egypt: Geochronological and geochemical constraints on its evolution. <i>Precambrian Research</i> , 2013, 239, 106-125.	1.2	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. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	1.2	57
135	The origin of the Palaeoproterozoic AMCG complexes in the Ukrainian shield: New U-Pb ages and Hf isotopes in zircon. <i>Precambrian Research</i> , 2017, 292, 216-239.	1.2	57
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