

# Martin J Whitehouse

## List of Publications by Year in descending order

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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	The rate and fate of N <sub>2</sub> and C fixation by marine diatom-diazotroph symbioses. <i>ISME Journal</i> , 2022, 16, 477-487.	9.8	11
2	Sulfate (re-)cycling in the oceanic crust: Effects of seawater-rock interaction, sulfur reduction and temperature on the abundance and isotope composition of anhydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 65-90.	3.9	9
3	Deciphering crustal growth in the southernmost Arabian Shield through zircon U-Pb geochronology, whole rock chemistry and Nd isotopes. <i>International Geology Review</i> , 2022, 64, 2359-2377.	2.1	2
4	Geochemistry, ichnology, and sedimentology of omission levels in Middle Triassic (Muschelkalk) platform carbonates of the Germanic Basin (southern Poland). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 585, 110732.	2.3	2
5	The Formation of Highly Positive $\delta^{34}\text{S}$ Values in Late Devonian Mudstones: Microscale Analysis of Pyrite ( $\delta^{34}\text{S}$ ) and Barite ( $\delta^{34}\text{S}$ , $\delta^{18}\text{O}$ ) in the Canol Formation (Selwyn Basin, Canada). <i>Frontiers in Earth Science</i> , 2022, 9, .	1.8	9
6	Bioclast-controlled patchy barite cementation – Origin and impact on reservoir properties in deeply buried Upper Jurassic sandstones, North Sea. <i>Sedimentary Geology</i> , 2022, 428, 106063.	2.1	1
7	Neoproterozoic magmatism in the southern Scott and Raggatt Mountains, Napier Complex, east Antarctica. <i>Precambrian Research</i> , 2022, 370, 106530.	2.7	2
8	U-Pb isotope systematics and impact ages recorded by a chemically diverse population of glasses from an Apollo 14 lunar soil. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 321, 206-243.	3.9	4
9	A micrometeorite from a stony asteroid identified in Luna 16 soil. <i>Nature Astronomy</i> , 2022, 6, 560-567.	10.1	3
10	A Late Paleocene age for Greenland's Hiawatha impact structure. <i>Science Advances</i> , 2022, 8, eabm2434.	10.3	4
11	Cratonisation of Archaean continental crust: Insights from U-Pb zircon geochronology and geochemistry of granitic rocks in the Narryer Terrane, northwest Yilgarn Craton. <i>Precambrian Research</i> , 2022, 372, 106609.	2.7	7
12	Calibrating volatile loss from the Moon using the U-Pb system. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 324, 1-16.	3.9	2
13	Periodicity of Karoo rift zone magmatism inferred from zircon ages of silicic rocks: Implications for the origin and environmental impact of the large igneous province. <i>Gondwana Research</i> , 2022, 107, 107-122.	6.0	10
14	Isotopic signatures of present-day calcite and pyrite in low-temperature crystalline bedrock, Olkiluoto, SW Finland. <i>Applied Geochemistry</i> , 2022, 141, 105308.	3.0	1
15	Energy Drive for the Kiruna Mining District Mineral System(s): Insights from U-Pb Zircon Geochronology. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 875.	2.0	4
16	Persistent mildly supra-chondritic initial Hf in the Lewisian Complex, NW Scotland: Implications for Neoproterozoic crust-mantle differentiation. <i>Chemical Geology</i> , 2022, 606, 121001.	3.3	7
17	Strontium isotope analysis of apatite via SIMS. <i>Chemical Geology</i> , 2021, 559, 119979.	3.3	14
18	Ages of lunar impact breccias: Limits for timing of the Imbrium impact. <i>Chemie Der Erde</i> , 2021, 81, 125683.	2.0	12

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19	Radiometric Dating (U-Th-Pb). , 2021, , 26-49.		0
20	Timing of Seafloor Spreading Cessation at the Macquarie Ridge Complex (SW Pacific) and Implications for Upper Mantle Heterogeneity. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	2.5	2
21	Microbial Sulfur Isotope Fractionation in the Chicxulub Hydrothermal System. <i>Astrobiology</i> , 2021, 21, 103-114.	3.0	18
22	Evolution and Mineralization of the Precambrian Basement of Yemen. <i>Regional Geology Reviews</i> , 2021, , 633-657.	1.2	6
23	Fossilized anaerobic and possibly methanogenesis-fueling fungi identified deep within the Siljan impact structure, Sweden. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	13
24	A Robust $^{87}\text{Sr}/^{86}\text{Sr}$ SIMS Method for Sr Isotope Determination in Apatite Across a Wide Sr Concentration Range. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 325-340.	3.1	8
25	Metamorphic microdiamond formation is controlled by water activity, phase transitions and temperature. <i>Scientific Reports</i> , 2021, 11, 7694.	3.3	5
26	Shocked quartz in distal ejecta from the Ries impact event (Germany) found at $\sim 180$ km distance, near Bernhardzell, eastern Switzerland. <i>Scientific Reports</i> , 2021, 11, 7438.	3.3	3
27	Eoarchean crust in East Antarctica: Extension from Enderby Land into Kemp Land. <i>Gondwana Research</i> , 2021, 93, 227-241.	6.0	8
28	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, .	7.1	61
29	Lunar samples record an impact 4.2 billion years ago that may have formed the Serenitatis Basin. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	9
30	Biosignatures of ancient microbial life are present across the igneous crust of the Fennoscandian shield. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	11
31	Sunda arc mantle source $\delta^{18}\text{O}$ value revealed by intracrystal isotope analysis. <i>Nature Communications</i> , 2021, 12, 3930.	12.8	14
32	Nano-scale investigation of granular neoblastic zircon, Vredefort impact structure, South Africa: Evidence for complete shock melting. <i>Earth and Planetary Science Letters</i> , 2021, 565, 116948.	4.4	16
33	Single-Cell Measurements of Fixation and Intercellular Exchange of C and N in the Filaments of the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>MBio</i> , 2021, 12, e0131421.	4.1	5
34	Tracing the Sveconorwegian orogen into the Caledonides of West Norway: Geochronological and isotopic studies on magmatism and migmatization. <i>Precambrian Research</i> , 2021, 362, 106301.	2.7	7
35	Evaluating the geochemistry and paired silicon and oxygen isotope record of quartz in siliceous rocks from the $\sim 3$ Ga Buhwa Greenstone Belt, Zimbabwe, a critical link to deciphering the Mesoarchean silica cycle. <i>Chemical Geology</i> , 2021, 577, 120300.	3.3	3
36	High-resolution EBSD and SIMS $^{206}\text{Pb}$ geochronology of zircon, titanite, and apatite: insights from the Lac La Moine impact structure, Canada. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	11

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37	Foraminiferal Mn/Ca as Bottomâ€Water Hypoxia Proxy: An Assessment of <i>Nonionella stella</i> in the Santa Barbara Basin, USA. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004167.	2.9	5
38	Age and composition of young basalts on the Moon, measured from samples returned by Changâ€5. <i>Science</i> , 2021, 374, 887-890.	12.6	148
39	The volatile and trace element composition of apatite in the Skaergaard intrusion, East Greenland. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	2
40	On the origin and evolution of the 1.86â€1.76 Ga Mid-Baltic Belt in the western East European Craton. <i>Precambrian Research</i> , 2021, 367, 106403.	2.7	7
41	Recrystallization and chemical changes in apatite in response to hypervelocity impact. <i>Geology</i> , 2020, 48, 19-23.	4.4	17
42	Two Neoproterozoic tectonothermal events on the western edge of the North Atlantic Craton, as revealed by SIMS dating of the Saglek Block, Nain Province, Labrador. <i>Journal of the Geological Society</i> , 2020, 177, 31-49.	2.1	6
43	Allanite Uâ€Thâ€Pb geochronology by ion microprobe. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 489-497.	3.0	8
44	Tracing martian surface interactions with the triple O isotope compositions of meteoritic phosphates. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115977.	4.4	8
45	Atmospheric S and lithospheric Pb in sulphides from the 2.06 Ga Phalaborwa phosphorite-carbonatite Complex, South Africa. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115939.	4.4	18
46	Textural, geochemical, and isotopic data from silicified rocks and associated chemical sedimentary rocks in the 2.7 Ga Abitibi greenstone belt, Canada: Insight into the role of silicification. <i>Precambrian Research</i> , 2020, 351, 105946.	2.7	4
47	The Neoproterozoic GT-34 Ni deposit, Carajás mineral Province, Brazil: An atypical IOCG-related Ni sulfide mineralization. <i>Ore Geology Reviews</i> , 2020, 127, 103773.	2.7	10
48	A short-lived <sup>26</sup> Al induced hydrothermal alteration event in the outer solar system: Constraints from Mn/Cr ages of carbonates. <i>Earth and Planetary Science Letters</i> , 2020, 547, 116440.	4.4	16
49	Triassic magmatism and metamorphism in the Antarctic Peninsula: Identifying the extent and timing of the Peninsula Orogeny. <i>Journal of South American Earth Sciences</i> , 2020, 103, 102732.	1.4	15
50	Pbâ€Pb ages and initial Pb isotopic composition of lunar meteorites: NWA 773 clan, NWA 4734, and Dhofar 287. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1808-1832.	1.6	18
51	Timing of geological events in the lunar highlands recorded in shocked zircon-bearing clasts from Apollo 16. <i>Royal Society Open Science</i> , 2020, 7, 200236.	2.4	7
52	The sulfur budget and sulfur isotopic composition of Martian regolith breccia NWA 7533. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2097-2116.	1.6	8
53	Exceptional sulfur and iron isotope enrichment in millimetre-sized, early Palaeozoic animal burrows. <i>Scientific Reports</i> , 2020, 10, 20270.	3.3	4
54	The Atud gabbroâ€diorite complex: glimpse of the Cryogenian mixing, assimilation, storage and homogenization zone beneath the Eastern Desert of Egypt. <i>Journal of the Geological Society</i> , 2020, 177, 965-980.	2.1	14

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55	Evidence of extensive lunar crust formation in impact melt sheets 4,330 Myr ago. <i>Nature Astronomy</i> , 2020, 4, 974-978.	10.1	25
56	Cretaceous arc volcanism of Palmer Land, Antarctic Peninsula: Zircon U-Pb geochronology, geochemistry, distribution and field relationships. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 401, 106969.	2.1	7
57	Formation of early Archean Granite-Greenstone Terranes from a globally chondritic mantle: Insights from igneous rocks of the Pilbara Craton, Western Australia. <i>Chemical Geology</i> , 2020, 551, 119757.	3.3	36
58	The Seven Sisters Hydrothermal System: First Record of Shallow Hybrid Mineralization Hosted in Mafic Volcaniclasts on the Arctic Mid-Ocean Ridge. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 439.	2.0	6
59	$^{40}\text{Ar}/^{39}\text{Ar}$ and U-Pb SIMS zircon ages of Ediacaran dikes from the Arabian-Nubian Shield of south Jordan. <i>Precambrian Research</i> , 2020, 343, 105714.	2.7	8
60	Age of the SÄÄksjÄÄrvi impact structure, Finland: reconciling the timing of small impacts in crystalline basement with regional basin development. <i>Journal of the Geological Society</i> , 2020, 177, 1231-1243.	2.1	11
61	Resting Stages of <i>Skeletonema marinoi</i> Assimilate Nitrogen From the Ambient Environment Under Dark, Anoxic Conditions. <i>Journal of Phycology</i> , 2020, 56, 699-708.	2.3	8
62	Timing and origin of the host rocks to the MalMBERGET iron oxide-apatite deposit, Sweden. <i>Precambrian Research</i> , 2020, 342, 105652.	2.7	11
63	Geochronology and Stable Isotope Analysis of Fracture-Fill and Karst Mineralization Reveal Sub-Surface Paleo-Fluid Flow and Microbial Activity of the COSC-1 Borehole, Scandinavian Caledonides. <i>Geosciences (Switzerland)</i> , 2020, 10, 56.	2.2	8
64	In situ Rb-Sr dating of slickenfibres in deep crystalline basement faults. <i>Scientific Reports</i> , 2020, 10, 562.	3.3	43
65	U-Pb zircon geochronology from Haag Nunataks, Coats Land and Shackleton Range (Antarctica): Constraining the extent of juvenile Late Mesoproterozoic arc terranes. <i>Precambrian Research</i> , 2020, 340, 105646.	2.7	13
66	Uncovering and quantifying the subduction zone sulfur cycle from the slab perspective. <i>Nature Communications</i> , 2020, 11, 514.	12.8	69
67	A Triassic to Jurassic arc in north Borneo: Geochronology, geochemistry, and genesis of the Segama Valley Felsic Intrusions and the Sabah ophiolite. <i>Gondwana Research</i> , 2020, 84, 229-244.	6.0	41
68	Dating tectonic activity in the Lepontine Dome and Rhone-Simplon Fault regions through hydrothermal monazite-(Ce). <i>Solid Earth</i> , 2020, 11, 199-222.	2.8	9
69	Insights into the chemical diversity of the martian mantle from the Pb isotope systematics of shergottite Northwest Africa 8159. <i>Chemical Geology</i> , 2020, 545, 119638.	3.3	3
70	Cenozoic deformation in the Tauern Window (Eastern Alps) constrained by in situ Th-Pb dating of fissure monazite. <i>Solid Earth</i> , 2020, 11, 437-467.	2.8	5
71	Sulfur isotope study of sulfides in CI, CM, C2ung chondrites and volatile-rich clasts â€“ Evidence for different generations and reservoirs of sulfide formation. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 210-223.	3.9	9
72	Baddeleyite formation in zircon by Ca-bearing fluids in silica-saturated systems in nature and experiment: resetting of the Uâ€“Pb geochronometer. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	16

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73	The timing of basaltic volcanism at the Apollo landing sites. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 29-53.	3.9	40
74	In situ trace element and Sm-Nd isotope analysis of accessory minerals in an Eoarchean tonalitic gneiss from Greenland: Implications for Hf and Nd isotope decoupling in Earth's ancient rocks. <i>Chemical Geology</i> , 2019, 524, 394-405.	3.3	54
75	A Yilgarn seed to the Pilbara Craton (Australia)? Evidence from inherited zircons. <i>Geology</i> , 2019, 47, 1098-1102.	4.4	24
76	Timing and origin of natural gas accumulation in the Siljan impact structure, Sweden. <i>Nature Communications</i> , 2019, 10, 4736.	12.8	34
77	Age and Origin of Deep Crustal Meta-igneous Xenoliths from the Scottish Midland Valley: Vestiges of an Early Palaeozoic Arc and "Newer Granite" Magmatism. <i>Journal of Petrology</i> , 2019, 60, 1543-1574.	2.8	13
78	Pb nanospheres in ancient zircon yield model ages for zircon formation and Pb mobilization. <i>Scientific Reports</i> , 2019, 9, 13702.	3.3	16
79	Terrestrial-like zircon in a clast from an Apollo 14 breccia. <i>Earth and Planetary Science Letters</i> , 2019, 510, 173-185.	4.4	56
80	Mixed local and ultra-distal volcanic ash deposition within the Upper Cretaceous Kanguk Formation, Sverdrup Basin, Canadian Arctic Islands. <i>Geological Magazine</i> , 2019, 156, 2067-2084.	1.5	7
81	Micro-scale isotopic variability of low-temperature pyrite in fractured crystalline bedrock - A large Fe isotope fractionation between Fe(II)aq/pyrite and absence of Fe-S isotope co-variation. <i>Chemical Geology</i> , 2019, 522, 192-207.	3.3	3
82	U-Pb SIMS ages of Apollo 14 zircon: Identifying distinct magmatic episodes. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1720-1736.	1.6	6
83	Evidence for molecular structural variations in the cytoarchitectures of a Jurassic plant. <i>Geology</i> , 2019, 47, 325-329.	4.4	11
84	The early geological history of the Moon inferred from ancient lunar meteorite Miller Range 13317. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1401-1430.	1.6	15
85	Re-Evaluating the Age of Deep Biosphere Fossils in the Lockne Impact Structure. <i>Geosciences (Switzerland)</i> , 2019, 9, 202.	2.2	5
86	Isotopic evidence for temperate oceans during the Cambrian Explosion. <i>Scientific Reports</i> , 2019, 9, 6330.	3.3	25
87	Dating multiply overprinted granites: The effect of protracted magmatism and fluid flow on dating systems (zircon U-Pb: SHRIMP/SIMS, LA-ICP-MS, CA-ID-TIMS; and Rb-Sr, Ar-Ar) - Granites from the Western Erzgebirge (Bohemian Massif, Germany). <i>Chemical Geology</i> , 2019, 519, 11-38.	3.3	41
88	Mechanisms and consequences of intra-crystalline enrichment of ancient radiogenic Pb in detrital Hadean zircons from the Jack Hills, Western Australia. <i>Earth and Planetary Science Letters</i> , 2019, 517, 38-49.	4.4	14
89	Apatite as a tracer of the source, chemistry and evolution of ore-forming fluids: The case of the Olsorum-Djupedal REE-phosphate mineralisation, SE Sweden. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 163-187.	3.9	53
90	Constraining deformation phases in the Aar Massif and the Gotthard Nappe (Switzerland) using Th-Pb crystallization ages of fissure monazite-(Ce). <i>Lithos</i> , 2019, 342-343, 223-238.	1.4	18

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91	Zircon Petrochronology and $^{40}\text{Ar}/^{39}\text{Ar}$ Thermochronology of the Adamello Intrusive Suite, N. Italy: Monitoring the Growth and Decay of an Incrementally Assembled Magmatic System. <i>Journal of Petrology</i> , 2019, 60, 701-722.	2.8	38
92	Untangling hidden nutrient dynamics: rapid ammonium cycling and single-cell ammonium assimilation in marine plankton communities. <i>ISME Journal</i> , 2019, 13, 1960-1974.	9.8	49
93	Low- $^{18}\text{O}$ zircon xenocrysts in alkaline basalts; a window into the complex carbonatite-metasomatic history of the Zealandia lithospheric mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 254, 21-39.	3.9	16
94	Simultaneous Pu and U Isotope Nuclear Forensics on an Environmentally Recovered Hot Particle. <i>Analytical Chemistry</i> , 2019, 91, 5599-5604.	6.5	9
95	Gneiss-forming events in the Saglek Block, Labrador; a reappraisal of the Uivak gneiss. <i>International Journal of Earth Sciences</i> , 2019, 108, 753-778.	1.8	8
96	Deciphering the zircon Hf isotope systematics of Eoarchean gneisses from Greenland: Implications for ancient crust-mantle differentiation and Pb isotope controversies. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 76-97.	3.9	33
97	Nitrate and ammonium fluxes to diatoms and dinoflagellates at a single cell level in mixed field communities in the sea. <i>Scientific Reports</i> , 2019, 9, 1424.	3.3	33
98	From the Libyan border to the Nile – Neoproterozoic magmatism and basement evolution of southern Egypt. <i>International Geology Review</i> , 2019, 61, 2057-2079.	2.1	5
99	A new $^{3.59}\text{Ga}$ magmatic suite and a chondritic source to the east Pilbara Craton. <i>Chemical Geology</i> , 2019, 511, 51-70.	3.3	59
100	Exceptional Preservation of Fungi as $\text{H}_2$ -Bearing Fluid Inclusions in an Early Quaternary Paleo-Hydrothermal System at Cape Vani, Milos, Greece. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 749.	2.0	9
101	The accumulation of non-formula elements in zircons during weathering: Ancient zircons from the Jack Hills, Western Australia. <i>Chemical Geology</i> , 2019, 530, 119310.	3.3	18
102	Pre-Neoproterozoic basement evolution of southwestern Egypt. <i>International Geology Review</i> , 2019, 61, 1909-1926.	2.1	10
103	Chemical, microstructural and chronological record of phosphates in the Ksar Ghilane 002 enriched shergottite. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 385-405.	3.9	2
104	Tracing the palaeoredox conditions at Forsmark, Sweden, using uranium mineral geochronology. <i>Chemical Geology</i> , 2019, 506, 68-78.	3.3	5
105	On the true antiquity of Eoarchean chemofossils – assessing the claim for Earth's oldest biogenic graphite in the Saglek Block of Labrador. <i>Precambrian Research</i> , 2019, 323, 70-81.	2.7	25
106	Insights into the tectonic history of the Western Alps through dating of fissure monazite in the Mont Blanc and Aiguilles Rouges Massifs. <i>Tectonophysics</i> , 2019, 750, 203-212.	2.2	12
107	A new U-Pb age for shock-recrystallised zircon from the Lappajärvi impact crater, Finland, and implications for the accurate dating of impact events. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 479-494.	3.9	48
108	High single-cell diversity in carbon and nitrogen assimilations by a chain-forming diatom across a century. <i>Environmental Microbiology</i> , 2019, 21, 142-151.	3.8	18



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109	The Chemical Evolution from Older (323–318 Ma) towards Younger Highly Evolved Tin Granites (315–314 Ma) Sources and Metal Enrichment in Variscan Granites of the Western Erzgebirge (Central Tj ETQp 1 0.784314 rgB	3.1	22
110	Enrichment of $^{18}\text{O}$ in the mantle sources of the Antarctic portion of the Karoo large igneous province. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	22
111	Apollo 12 breccia 12013: Impact-induced partial Pb loss in zircon and its implications for lunar geochronology. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 230, 94-111.	3.9	23
112	Birimian crustal growth in the West African Craton: U-Pb, O and Lu-Hf isotope constraints from detrital zircon in major rivers. <i>Chemical Geology</i> , 2018, 479, 259-271.	3.3	15
113	U-Pb age distribution recorded in zircons from Archean quartzites in the Mt. Alfred area, Yilgarn Craton, Western Australia. <i>Precambrian Research</i> , 2018, 310, 278-290.	2.7	6
114	Constraining the timing and sources of volcanism at the Apollo 12 landing site using new Pb isotopic compositions and crystallisation ages. <i>Chemical Geology</i> , 2018, 482, 101-112.	3.3	15
115	Zircon (Hf, O isotopes) as melt indicator: Melt infiltration and abundant new zircon growth within melt rich layers of granulite-facies lenses versus solid-state recrystallization in hosting amphibolite-facies gneisses (central Erzgebirge, Bohemian Massif). <i>Lithos</i> , 2018, 302-303, 65-85.	1.4	14
116	Incorporation of Metals into Calcite in a Deep Anoxic Granite Aquifer. <i>Environmental Science &amp; Technology</i> , 2018, 52, 493-502.	10.0	26
117	Pb evolution in the Martian mantle. <i>Earth and Planetary Science Letters</i> , 2018, 485, 79-87.	4.4	16
118	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.	6.0	76
119	Decoding a protracted zircon geochronological record in ultrahigh temperature granulite, and persistence of partial melting in the crust, Rogaland, Norway. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	32
120	Peak to post-peak thermal history of the Saglek Block of Labrador: A multiphase and multi-instrumental approach to geochronology. <i>Chemical Geology</i> , 2018, 484, 210-223.	3.3	21
121	Multiple intrusive phases in the Leinster Batholith, Ireland: geochronology, isotope geochemistry and constraints on the deformation history. <i>Journal of the Geological Society</i> , 2018, 175, 229-246.	2.1	15
122	Age and petrogenesis of the Lundy granite: Paleocene intraplate peraluminous magmatism in the Bristol Channel, UK. <i>Journal of the Geological Society</i> , 2018, 175, 44-59.	2.1	4
123	Geochronology of Hadean zircon grains from the Jack Hills, Western Australia constrained by quantitative scanning ion imaging. <i>Chemical Geology</i> , 2018, 476, 469-480.	3.3	7
124	Jurassic high heat production granites associated with the Weddell Sea rift system, Antarctica. <i>Tectonophysics</i> , 2018, 722, 249-264.	2.2	20
125	Carbonaceous biosignatures of the earliest putative macroscopic multicellular eukaryotes from 1630–Ma Tuanshanzi Formation, north China. <i>Precambrian Research</i> , 2018, 304, 99-109.	2.7	28
126	Anatectic Granitic Pegmatites from the Eastern Alps: A Case of Variable Rare-Metal Enrichment During High-Grade Regional Metamorphism – I: Mineral Assemblages, Geochemical Characteristics, and Emplacement Ages. <i>Canadian Mineralogist</i> , 2018, 56, 555-602.	1.0	27



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127	A 4463 Ma apparent zircon age from the Jack Hills (Western Australia) resulting from ancient Pb mobilization. <i>Geology</i> , 2018, 46, 303-306.	4.4	25
128	Episodicity within a mid-Cretaceous magmatic flare-up in West Antarctica: U-Pb ages of the Lassiter Coast intrusive suite, Antarctic Peninsula, and correlations along the Gondwana margin. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1177-1196.	3.3	21
129	Peri-Gondwanan Ordovician arc magmatism in southeastern Ireland and the Isle of Man: Constraints on the timing of Caledonian deformation in Ganderia. <i>Bulletin of the Geological Society of America</i> , 2018, , .	3.3	3
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