

# Martin J Whitehouse

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

492  
papers

23,384  
citations

73  
h-index

132  
g-index

523  
ext. papers

26,391  
ext. citations

5.4  
avg, IF

7.1  
L-index

#	Paper	IF	Citations
492	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> , <b>2022</b> , 9,	3.5	1
491	Bioclast-controlled patchy barite cementation – Origin and impact on reservoir properties in deeply buried Upper Jurassic sandstones, North Sea. <i>Sedimentary Geology</i> , <b>2022</b> , 428, 106063	2.8	
490	Neoproterozoic magmatism in the southern Scott and Raggatt Mountains, Napier Complex, east Antarctica. <i>Precambrian Research</i> , <b>2022</b> , 370, 106530	3.9	
489	A Late Paleocene age for Greenland's Hiawatha impact structure.. <i>Science Advances</i> , <b>2022</b> , 8, eabm2434	14.3	
488	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> , <b>2022</b> , 372, 106609	3.9	2
487	Calibrating volatile loss from the Moon using the U-Pb system. <i>Geochimica Et Cosmochimica Acta</i> , <b>2022</b> , 324, 1-16	5.5	0
486	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> , <b>2022</b> , 107, 107-122	5.1	0
485	Isotopic signatures of present-day calcite and pyrite in low-temperature crystalline bedrock, Olkiluoto, SW Finland. <i>Applied Geochemistry</i> , <b>2022</b> , 141, 105308	3.5	1
484	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> , <b>2021</b> , 321, 206-206	5.5	2
483	The volatile and trace element composition of apatite in the Skaergaard intrusion, East Greenland. <i>Contributions To Mineralogy and Petrology</i> , <b>2021</b> , 176, 1	3.5	0
482	On the origin and evolution of the 1.86–1.76 Ga Mid-Baltic Belt in the western East European Craton. <i>Precambrian Research</i> , <b>2021</b> , 367, 106403	3.9	4
481	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> , <b>2021</b> , 317, 65-65	5.5	4
480	Foraminiferal Mn/Ca as Bottom-Water Hypoxia Proxy: An Assessment of <i>Nonionella stella</i> in the Santa Barbara Basin, USA. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2020PA004167	3.3	0
479	Age and composition of young basalts on the Moon, measured from samples returned by Chang'e-5. <i>Science</i> , <b>2021</b> , 374, 887-890	33.3	27
478	Geochemistry, ichnology, and sedimentology of omission levels in Middle Triassic (Muschelkalk) platform carbonates of the Germanic Basin (southern Poland). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2021</b> , 585, 110732	2.9	0
477	Metamorphic microdiamond formation is controlled by water activity, phase transitions and temperature. <i>Scientific Reports</i> , <b>2021</b> , 11, 7694	4.9	2
476	Shocked quartz in distal ejecta from the Ries impact event (Germany) found at ~ 180 km distance, near Bernhardtzell, eastern Switzerland. <i>Scientific Reports</i> , <b>2021</b> , 11, 7438	4.9	2

475	Eoarchean crust in East Antarctica: Extension from Enderby Land into Kemp Land. <i>Gondwana Research</i> , <b>2021</b> , 93, 227-241	5.1	3
474	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> , <b>2021</b> , 118,	11.5	10
473	Lunar samples record an impact 4.2 billion years ago that may have formed the Serenitatis Basin. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	2
472	Biosignatures of ancient microbial life are present across the igneous crust of the Fennoscandian shield. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	2
471	Sunda arc mantle source $\delta$ value revealed by intracrystal isotope analysis. <i>Nature Communications</i> , <b>2021</b> , 12, 3930	17.4	8
470	Strontium isotope analysis of apatite via SIMS. <i>Chemical Geology</i> , <b>2021</b> , 559, 119979	4.2	5
469	Ages of lunar impact breccias: Limits for timing of the Imbrium impact. <i>Chemie Der Erde</i> , <b>2021</b> , 81, 125684.3	4.3	2
468	Radiometric Dating (U-Th-Pb) <b>2021</b> , 26-49		
467	Timing of Seafloor Spreading Cessation at the Macquarie Ridge Complex (SW Pacific) and Implications for Upper Mantle Heterogeneity. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22,	3.6	2
466	Microbial Sulfur Isotope Fractionation in the Chicxulub Hydrothermal System. <i>Astrobiology</i> , <b>2021</b> , 21, 103-114	3.7	8
465	Evolution and Mineralization of the Precambrian Basement of Yemen. <i>Regional Geology Reviews</i> , <b>2021</b> , 633-657	2.5	5
464	Fossilized anaerobic and possibly methanogenesis-fueling fungi identified deep within the Siljan impact structure, Sweden. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	6
463	A Robust LG-SIMS Method for Sr Isotope Determination in Apatite Across a Wide Sr Concentration Range. <i>Geostandards and Geoanalytical Research</i> , <b>2021</b> , 45, 325-340	3.6	2
462	Nano-scale investigation of granular neoblastic zircon, Vredefort impact structure, South Africa: Evidence for complete shock melting. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 565, 116948	5.3	3
461	The rate and fate of N and C fixation by marine diatom-diazotroph symbioses. <i>ISME Journal</i> , <b>2021</b> ,	11.9	1
460	Single-Cell Measurements of Fixation and Intercellular Exchange of C and N in the Filaments of the Heterocyst-Forming Cyanobacterium sp. Strain PCC 7120. <i>MBio</i> , <b>2021</b> , 12, e0131421	7.8	0
459	Tracing the Sveconorwegian orogen into the Caledonides of West Norway: Geochronological and isotopic studies on magmatism and migmatization. <i>Precambrian Research</i> , <b>2021</b> , 362, 106301	3.9	3
458	Evaluating the geochemistry and paired silicon and oxygen isotope record of quartz in siliceous rocks from the ~3 Ga Buhwa Greenstone Belt, Zimbabwe, a critical link to deciphering the Mesoarchean silica cycle. <i>Chemical Geology</i> , <b>2021</b> , 577, 120300	4.2	0

457	High-resolution EBSD and SIMS U-Pb geochronology of zircon, titanite, and apatite: insights from the Lac La Moinerie impact structure, Canada. <i>Contributions To Mineralogy and Petrology</i> , <b>2021</b> , 176, 1	3.5	2
456	Exceptional sulfur and iron isotope enrichment in millimetre-sized, early Palaeozoic animal burrows. <i>Scientific Reports</i> , <b>2020</b> , 10, 20270	4.9	2
455	The Atud gabbro-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> , <b>2020</b> , 177, 965-980	2.7	3
454	Evidence of extensive lunar crust formation in impact melt sheets 4,330 Myr ago. <i>Nature Astronomy</i> , <b>2020</b> , 4, 974-978	12.1	13
453	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> , <b>2020</b> , 401, 106969	2.8	4
452	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> , <b>2020</b> , 551, 119757	4.2	21
451	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> , <b>2020</b> , 10, 439	2.4	1
450	<sup>40</sup> Ar/ <sup>39</sup> Ar and U-Pb SIMS zircon ages of Ediacaran dikes from the Arabian-Nubian Shield of south Jordan. <i>Precambrian Research</i> , <b>2020</b> , 343, 105714	3.9	6
449	Age of the Säsijvi impact structure, Finland: reconciling the timing of small impacts in crystalline basement with regional basin development. <i>Journal of the Geological Society</i> , <b>2020</b> , 177, 1231-1243	2.7	7
448	Resting Stages of <i>Skeletonema marinoi</i> Assimilate Nitrogen From the Ambient Environment Under Dark, Anoxic Conditions. <i>Journal of Phycology</i> , <b>2020</b> , 56, 699-708	3	4
447	Timing and origin of the host rocks to the Malmberget iron oxide-apatite deposit, Sweden. <i>Precambrian Research</i> , <b>2020</b> , 342, 105652	3.9	6
446	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> , <b>2020</b> , 10, 56	2.7	5
445	In situ Rb-Sr dating of slickenfibres in deep crystalline basement faults. <i>Scientific Reports</i> , <b>2020</b> , 10, 562	4.9	21
444	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> , <b>2020</b> , 340, 105646	3.9	8
443	Uncovering and quantifying the subduction zone sulfur cycle from the slab perspective. <i>Nature Communications</i> , <b>2020</b> , 11, 514	17.4	34
442	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> , <b>2020</b> , 84, 229-244	5.1	12
441	Dating tectonic activity in the Lepontine Dome and Rhone-Simplon Fault regions through hydrothermal monazite-(Ce). <i>Solid Earth</i> , <b>2020</b> , 11, 199-222	3.3	6
440	Insights into the chemical diversity of the martian mantle from the Pb isotope systematics of shergottite Northwest Africa 8159. <i>Chemical Geology</i> , <b>2020</b> , 545, 119638	4.2	2

439	Cenozoic deformation in the Tauern Window (Eastern Alps) constrained by in situ Th-Pb dating of fissure monazite. <i>Solid Earth</i> , <b>2020</b> , 11, 437-467	3-3	4
438	Allanite U-Th-Pb geochronology by ion microprobe. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 489-497	3-7	5
437	Tracing martian surface interactions with the triple O isotope compositions of meteoritic phosphates. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 531, 115977	5-3	8
436	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> , <b>2020</b> , 530, 115939	5-3	7
435	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> , <b>2020</b> , 351, 105946	3-9	1
434	The Neoproterozoic GT-34 Ni deposit, Carajás mineral Province, Brazil: An atypical IOCG-related Ni sulfide mineralization. <i>Ore Geology Reviews</i> , <b>2020</b> , 127, 103773	3-2	4
433	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> , <b>2020</b> , 547, 116440	5-3	5
432	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> , <b>2020</b> , 103, 102732	2	9
431	Pb-Pb ages and initial Pb isotopic composition of lunar meteorites: NWA 773 clan, NWA 4734, and Dhofar 287. <i>Meteoritics and Planetary Science</i> , <b>2020</b> , 55, 1808-1832	2-8	3
430	Timing of geological events in the lunar highlands recorded in shocked zircon-bearing clasts from Apollo 16. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 200236	3-3	3
429	The sulfur budget and sulfur isotopic composition of Martian regolith breccia NWA 7533. <i>Meteoritics and Planetary Science</i> , <b>2020</b> , 55, 2097-2116	2-8	4
428	Recrystallization and chemical changes in apatite in response to hypervelocity impact. <i>Geology</i> , <b>2020</b> , 48, 19-23	5	9
427	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> , <b>2020</b> , 177, 31-49	2-7	3
426	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> , <b>2019</b> , 60, 1543-1574	3-9	9
425	Pb nanospheres in ancient zircon yield model ages for zircon formation and Pb mobilization. <i>Scientific Reports</i> , <b>2019</b> , 9, 13702	4-9	11
424	Terrestrial-like zircon in a clast from an Apollo 14 breccia. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 510, 173-185	5-3	39
423	Mixed local and ultra-distal volcanic ash deposition within the Upper Cretaceous Kanguk Formation, Sverdrup Basin, Canadian Arctic Islands. <i>Geological Magazine</i> , <b>2019</b> , 156, 2067-2084	2	4
422	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> , <b>2019</b> , 522, 192-207	4-2	1

421	U-Pb SIMS ages of Apollo 14 zircon: Identifying distinct magmatic episodes. <i>Meteoritics and Planetary Science</i> , <b>2019</b> , 54, 1720-1736	2.8	5
420	Evidence for molecular structural variations in the cytoarchitectures of a Jurassic plant. <i>Geology</i> , <b>2019</b> , 47, 325-329	5	6
419	The early geological history of the Moon inferred from ancient lunar meteorite Miller Range 13317. <i>Meteoritics and Planetary Science</i> , <b>2019</b> , 54, 1401-1430	2.8	8
418	Re-Evaluating the Age of Deep Biosphere Fossils in the Lockne Impact Structure. <i>Geosciences (Switzerland)</i> , <b>2019</b> , 9, 202	2.7	4
417	Isotopic evidence for temperate oceans during the Cambrian Explosion. <i>Scientific Reports</i> , <b>2019</b> , 9, 6330	4.9	12
416	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 <sup>87</sup> Sr, Ar <sup>40</sup> Ar) in Granites from the Western Erzgebirge (Bohemian Massif, Germany). <i>Chemical Geology</i> , <b>2019</b> , 519, 11-38	4.2	24
415	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> , <b>2019</b> , 517, 38-49	5.3	11
414	Apatite as a tracer of the source, chemistry and evolution of ore-forming fluids: The case of the Olserum-Djupedal REE-phosphate mineralisation, SE Sweden. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 255, 163-187	5.5	26
413	Constraining deformation phases in the Aar Massif and the Gotthard Nappe (Switzerland) using Th-Pb crystallization ages of fissure monazite-(Ce). <i>Lithos</i> , <b>2019</b> , 342-343, 223-238	2.9	10
412	Zircon Petrochronology and <sup>40</sup> Ar/ <sup>39</sup> 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> , <b>2019</b> , 60, 701-722	3.9	21
411	Untangling hidden nutrient dynamics: rapid ammonium cycling and single-cell ammonium assimilation in marine plankton communities. <i>ISME Journal</i> , <b>2019</b> , 13, 1960-1974	11.9	30
410	Low- $\delta^{18}\text{O}$ zircon xenocrysts in alkaline basalts; a window into the complex carbonatite-metasomatic history of the Zealandia lithospheric mantle. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 254, 21-39	5.5	12
409	Simultaneous Pu and U Isotope Nuclear Forensics on an Environmentally Recovered Hot Particle. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 5599-5604	7.8	6
408	Gneiss-forming events in the Saglek Block, Labrador; a reappraisal of the Uivak gneiss. <i>International Journal of Earth Sciences</i> , <b>2019</b> , 108, 753-778	2.2	6
407	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> , <b>2019</b> , 250, 76-97	5.5	18
406	Nitrate and ammonium fluxes to diatoms and dinoflagellates at a single cell level in mixed field communities in the sea. <i>Scientific Reports</i> , <b>2019</b> , 9, 1424	4.9	19
405	Sulfur isotope study of sulfides in CI, CM, C2ung chondrites and volatile-rich clasts - Evidence for different generations and reservoirs of sulfide formation. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 261, 210-223	5.5	4
404	Baddeleyite formation in zircon by Ca-bearing fluids in silica-saturated systems in nature and experiment: resetting of the U <sup>238</sup> Pb geochronometer. <i>Contributions To Mineralogy and Petrology</i> , <b>2019</b> , 174, 1	3.5	11

403	The timing of basaltic volcanism at the Apollo landing sites. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 266, 29-53	5.5	20
402	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> , <b>2019</b> , 524, 394-405	4.2	32
401	A Yilgarn seed to the Pilbara Craton (Australia)? Evidence from inherited zircons. <i>Geology</i> , <b>2019</b> , 47, 1098-1102	5.16	
400	Timing and origin of natural gas accumulation in the Siljan impact structure, Sweden. <i>Nature Communications</i> , <b>2019</b> , 10, 4736	17.4	21
399	The Chemical Evolution from Older (323±18 Ma) towards Younger Highly Evolved Tin Granites (315±14 Ma)âSources and Metal Enrichment in Variscan Granites of the Western Erzgebirge (Central European Variscides, Germany). <i>Minerals (Basel, Switzerland)</i> , <b>2019</b> , 9, 769	2.4	3
398	From the Libyan border to the Nile âNeoproterozoic magmatism and basement evolution of southern Egypt. <i>International Geology Review</i> , <b>2019</b> , 61, 2057-2079	2.3	5
397	A new 3.59 Ga magmatic suite and a chondritic source to the east Pilbara Craton. <i>Chemical Geology</i> , <b>2019</b> , 511, 51-70	4.2	41
396	Exceptional Preservation of Fungi as H <sub>2</sub> -Bearing Fluid Inclusions in an Early Quaternary Paleo-Hydrothermal System at Cape Vani, Milos, Greece. <i>Minerals (Basel, Switzerland)</i> , <b>2019</b> , 9, 749	2.4	5
395	The accumulation of non-formula elements in zircons during weathering: Ancient zircons from the Jack Hills, Western Australia. <i>Chemical Geology</i> , <b>2019</b> , 530, 119310	4.2	8
394	Pre-Neoproterozoic basement evolution of southwestern Egypt. <i>International Geology Review</i> , <b>2019</b> , 61, 1909-1926	2.3	8
393	Chemical, microstructural and chronological record of phosphates in the Ksar Ghilane 002 enriched shergottite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 245, 385-405	5.5	1
392	Tracing the palaeoredox conditions at Forsmark, Sweden, using uranium mineral geochronology. <i>Chemical Geology</i> , <b>2019</b> , 506, 68-78	4.2	3
391	On the true antiquity of Eoarchean chemofossils âAssessing the claim for Earthâ oldest biogenic graphite in the Saglek Block of Labrador. <i>Precambrian Research</i> , <b>2019</b> , 323, 70-81	3.9	19
390	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> , <b>2019</b> , 750, 203-212	3.1	7
389	A new U-Pb age for shock-recrystallised zircon from the Lappajvi impact crater, Finland, and implications for the accurate dating of impact events. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 245, 479-494	5.5	32
388	High single-cell diversity in carbon and nitrogen assimilations by a chain-forming diatom across a century. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 142-151	5.2	11
387	Enrichment of <sup>18</sup> O in the mantle sources of the Antarctic portion of the Karoo large igneous province. <i>Contributions To Mineralogy and Petrology</i> , <b>2018</b> , 173, 1	3.5	14
386	Apollo 12 breccia 12013: Impact-induced partial Pb loss in zircon and its implications for lunar geochronology. <i>Geochimica Et Cosmochimica Acta</i> , <b>2018</b> , 230, 94-111	5.5	14

385	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> , <b>2018</b> , 479, 259-271	4.2	13
384	U-Pb age distribution recorded in zircons from Archean quartzites in the Mt. Alfred area, Yilgarn Craton, Western Australia. <i>Precambrian Research</i> , <b>2018</b> , 310, 278-290	3.9	6
383	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> , <b>2018</b> , 482, 101-112	4.2	10
382	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> , <b>2018</b> , 302-303, 65-85	2.9	8
381	Incorporation of Metals into Calcite in a Deep Anoxic Granite Aquifer. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 493-502	10.3	18
380	Pb evolution in the Martian mantle. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 485, 79-87	5.3	13
379	The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. <i>Gondwana Research</i> , <b>2018</b> , 62, 27-60	5.1	48
378	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> , <b>2018</b> , 173, 1	3.5	21
377	Peak to post-peak thermal history of the Saglek Block of Labrador: A multiphase and multi-instrumental approach to geochronology. <i>Chemical Geology</i> , <b>2018</b> , 484, 210-223	4.2	17
376	Multiple intrusive phases in the Leinster Batholith, Ireland: geochronology, isotope geochemistry and constraints on the deformation history. <i>Journal of the Geological Society</i> , <b>2018</b> , 175, 229-246	2.7	9
375	Age and petrogenesis of the Lundy granite: Paleocene intraplate peraluminous magmatism in the Bristol Channel, UK. <i>Journal of the Geological Society</i> , <b>2018</b> , 175, 44-59	2.7	3
374	Petrology and geochemistry of the 2014-2015 Holuhraun eruption, central Iceland: compositional and mineralogical characteristics, temporal variability and magma storage. <i>Contributions To Mineralogy and Petrology</i> , <b>2018</b> , 173, 1	3.5	25
373	Geochronology, petrogenesis and geodynamic significance of the Visean igneous rocks in the Central Sudetes, northeastern Bohemian Massif. <i>Lithos</i> , <b>2018</b> , 316-317, 385-405	2.9	9
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