

Martin J Whitehouse

List of Publications by Citations

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492
papers

23,384
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523
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26,391
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
492	Plebeite zircon – A new natural reference material for U–Pb and Hf isotopic microanalysis. <i>Chemical Geology</i> , 2008 , 249, 1-35	4.2	2862
491	Magmatic and crustal differentiation history of granitic rocks from Hf-O isotopes in zircon. <i>Science</i> , 2007 , 315, 980-3	33.3	940
490	Further Characterisation of the 91500 Zircon Crystal. <i>Geostandards and Geoanalytical Research</i> , 2004 , 28, 9-39		902
489	Age significance of U–Th–Pb zircon data from early Archaean rocks of west Greenland – reassessment based on combined ion-microprobe and imaging studies. <i>Chemical Geology</i> , 1999 , 160, 201-224	4.2	457
488	Characterisation of early Archaean chemical sediments by trace element signatures. <i>Earth and Planetary Science Letters</i> , 2004 , 222, 43-60	5.3	449
487	Dating high-grade metamorphism – constraints from rare-earth elements in zircon and garnet. <i>Contributions To Mineralogy and Petrology</i> , 2003 , 145, 61-74	3.5	399
486	Shisha Pangma Leucogranite, South Tibetan Himalaya: Field Relations, Geochemistry, Age, Origin, and Emplacement. <i>Journal of Geology</i> , 1997 , 105, 295-318	2	318
485	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	3.9	278
484	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	5.5	252
483	Hafnium isotope evidence for a transition in the dynamics of continental growth 3.2 Gyr ago. <i>Nature</i> , 2012 , 485, 627-30	50.4	204
482	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	4.2	184
481	Large colonial organisms with coordinated growth in oxygenated environments 2.1 Gyr ago. <i>Nature</i> , 2010 , 466, 100-4	50.4	175
480	Anomalous sulphur isotopes in plume lavas reveal deep mantle storage of Archaean crust. <i>Nature</i> , 2013 , 496, 490-3	50.4	169
479	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	2.7	168
478	Zircon as a Monitor of Crustal Growth. <i>Elements</i> , 2007 , 3, 19-24	3.8	168
477	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	3.9	168
476	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	2.7	167

475	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	4.3	158
474	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	5	157
473	Metasomatic origin of quartz-pyroxene rock, Akilia, Greenland, and implications for Earth's earliest life. <i>Science</i> , 2002 , 296, 1448-52	33.3	156
472	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	3.9	155
471	Onset of mid-crustal extensional flow in southern Tibet: Evidence from U/Pb zircon ages. <i>Geology</i> , 2007 , 35, 45	5	154
470	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	4.2	148
469	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	3.5	148
468	Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late orogenic extension. <i>Geology</i> , 2003 , 31, 251	5	139
467	Early formation of planetary building blocks inferred from Pb isotopic ages of chondrules. <i>Science Advances</i> , 2017 , 3, e1700407	14.3	131
466	Early Precambrian gneiss terranes and Pan-African island arcs in Yemen: Crustal accretion of the eastern Arabian Shield. <i>Geology</i> , 1996 , 24, 131	5	125
465	Mobilization of radiogenic Pb in zircon revealed by ion imaging: Implications for early Earth geochronology. <i>Geology</i> , 2013 , 41, 291-294	5	124
464	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	5.3	123
463	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	5.3	123
462	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	3.5	123
461	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	5.3	120
460	Temporal constraints on the Paleoproterozoic Lomagundi-Jatuli carbon isotopic event. <i>Geology</i> , 2007 , 35, 655	5	117
459	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	5	116
458	Pinpointing the source of a lunar meteorite: implications for the evolution of the Moon. <i>Science</i> , 2004 , 305, 657-9	33.3	115

457	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	2	113
456	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	9.7	112
455	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	5.3	111
454	Inheritance of early Archaean Pb-isotope variability from long-lived Hadean protocrust. <i>Contributions To Mineralogy and Petrology</i> , 2003 , 145, 25-46	3.5	108
453	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	5.3	106
452	Integrated Pb- and S-isotope investigation of sulphide minerals from the early Archaean of southwest Greenland. <i>Chemical Geology</i> , 2005 , 222, 112-131	4.2	102
451	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	5	101
450	Improved isotopic SIMS measurements of uranium particles for nuclear safeguard purposes. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 277	3.7	101
449	The Lapland-Kola orogen: Palaeoproterozoic collision and accretion of the northern Fennoscandian lithosphere. <i>Geological Society Memoir</i> , 2006 , 32, 579-598	0.4	100
448	The volatile inventory (F, Cl, Br, S, C) of magmatic apatite: An integrated analytical approach. <i>Chemical Geology</i> , 2012 , 291, 241-255	4.2	96
447	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	3.9	95
446	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	3.9	95
445	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	3.9	94
444	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	3.9	94
443	Crustal evolution and terrane correlation in the eastern Arabian Shield, Yemen: geochronological constraints. <i>Journal of the Geological Society</i> , 1998 , 155, 281-295	2.7	92
442	Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a P-T-t array. <i>Journal of the Geological Society</i> , 2003 , 160, 655-676	2.7	92
441	Precambrian basement character of Yemen and correlations with Saudi Arabia and Somalia. <i>Precambrian Research</i> , 2001 , 105, 357-369	3.9	91
440	Archean of Greenland and Fennoscandia. <i>Episodes</i> , 2008 , 31, 13-19	1.6	88

439	Generation and preservation of continental crust in the Grenville Orogeny. <i>Geoscience Frontiers</i> , 2015 , 6, 357-372	6	87
438	Zircon geochronology in polymetamorphic gneisses in the Sveconorwegian orogen, SW Sweden: ion microprobe evidence for 1.46±.42 and 0.98±.96 Ga reworking. <i>Precambrian Research</i> , 2002 , 113, 193-225	3.9	87
437	New isotopic age determinations for the Torridonian, NW Scotland. <i>Journal of the Geological Society</i> , 1996 , 153, 955-964	2.7	86
436	Nd isotope provinciality in the northernmost Arabian-Nubian Shield: implications for crustal evolution. <i>Contributions To Mineralogy and Petrology</i> , 2010 , 160, 181-201	3.5	85
435	Distribution of halogens between fluid and apatite during fluid-mediated replacement processes. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 170, 225-246	5.5	83
434	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	5	81
433	Timing of ophiolite obduction in the Grampian orogen. <i>Bulletin of the Geological Society of America</i> , 2010 , 122, 1787-1799	3.9	80
432	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, 7729-34	11.5	79
431	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	5.5	79
430	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	3.5	78
429	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	2	78
428	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		77
427	Long-term stability of alpha particle damage in natural zircon. <i>Chemical Geology</i> , 2005 , 220, 83-103	4.2	77
426	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	3.5	77
425	Three successive Proterozoic island arcs in the Northern Arabian-Nubian Shield: Evidence from SIMS U-Pb dating of zircon. <i>Gondwana Research</i> , 2014 , 25, 338-357	5.1	76
424	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	5	76
423	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	5.5	76
422	Two coexisting sulfur metabolisms in a ca. 3400 Ma sandstone. <i>Geology</i> , 2010 , 38, 1115-1118	5	75

421	Evidence for extremely rapid magma ocean crystallization and crust formation on Mars. <i>Nature</i> , 2018 , 558, 586-589	50.4	74
420	High precision, high accuracy measurement of oxygen isotopes in a large lunar zircon by SIMS. <i>Chemical Geology</i> , 2009 , 261, 32-42	4.2	73
419	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	3.9	72
418	U-Pb Detrital Zircon Analysis – Results of an Inter-laboratory Comparison. <i>Geostandards and Geoanalytical Research</i> , 2013 , 37, 243-259	3.6	71
417	Questioning the evidence for Earth's earliest life – Akilia revisited. <i>Geology</i> , 2005 , 33, 77	5	71
416	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	5.1	71
415	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	2	70
414	Multiple Sulfur Isotope Determination by SIMS: Evaluation of Reference Sulfides for $\delta^{34}\text{S}$ with Observations and a Case Study on the Determination of $\delta^{34}\text{S}$. <i>Geostandards and Geoanalytical Research</i> , 2013 , 37, 19-33	3.6	67
413	Repeated age resetting in zircons from Hercynian – Alpine polymetamorphic schists (Betic – Rif tectonic belt, S. Spain) – U – Pb ion microprobe study. <i>Chemical Geology</i> , 2002 , 182, 275-292	4.2	67
412	Multichronometric Evidence for an In Situ Origin of the Ultrahigh-Pressure Metamorphic Terrane of Dabieshan, China. <i>Journal of Geology</i> , 2001 , 109, 633-646	2	65
411	The Ediacaran Ferani and Rutig volcano-sedimentary successions of the northernmost Arabian-Nubian Shield (ANS): New insights from zircon U – Pb geochronology, geochemistry and O – Nd isotope ratios. <i>Precambrian Research</i> , 2011 , 188, 21-44	3.9	64
410	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	3.9	64
409	Recycling of continental crust into the mantle as revealed by Kytlym dunite zircons, Ural Mts, Russia. <i>Terra Nova</i> , 2001 , 13, 407-412	3	64
408	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	3.9	63
407	Anaerobic consortia of fungi and sulfate reducing bacteria in deep granite fractures. <i>Nature Communications</i> , 2017 , 8, 55	17.4	63
406	U-Pb ion microprobe dating and Sr and Nd isotope geology of the Galiceiro Igneous Complex. <i>Lithos</i> , 2009 , 107, 227-238	2.9	63
405	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	2.8	63
404	Resorption, growth, solid state recrystallisation, and annealing of granulite facies zircon – case study from the Central Erzgebirge, Bohemian Massif. <i>Lithos</i> , 2005 , 82, 25-50	2.9	63

403	Geochemistry of enclaves and host granites from the Nelas area, central Portugal. <i>Lithos</i> , 2000 , 50, 153-170	17.0	63
402	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, 450-9	11.9	62
401	Boreal feather mosses secrete chemical signals to gain nitrogen. <i>New Phytologist</i> , 2013 , 200, 54-60	9.8	62
400	Middle to late Miocene extremely rapid exhumation and thermal reequilibration in the Kung Co rift, southern Tibet. <i>Tectonics</i> , 2011 , 30, n/a-n/a	4.3	62
399	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	4.3	62
398	Brittle-ductile microfabrics in naturally deformed zircon: Deformation mechanisms and consequences for U-Pb dating. <i>American Mineralogist</i> , 2012 , 97, 1544-1563	2.9	61
397	Constraints on fluid evolution during metamorphism from U-Th-Pb systematics in Alpine hydrothermal monazite. <i>Chemical Geology</i> , 2012 , 326-327, 61-71	4.2	60
396	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	5.5	60
395	Granulite facies Nd-isotopic homogenization in the Lewisian complex of northwest Scotland. <i>Nature</i> , 1988 , 331, 705-707	50.4	60
394	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system. <i>Ore Geology Reviews</i> , 2016 , 79, 26-45	3.2	58
393	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	2.7	57
392	Sm-Nd evidence for diachronous crustal accretion in the Lewisian complex of northwest Scotland. <i>Tectonophysics</i> , 1989 , 161, 245-256	3.1	56
391	Extreme (13)C depletion of carbonates formed during oxidation of biogenic methane in fractured granite. <i>Nature Communications</i> , 2015 , 6, 7020	17.4	55
390	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	2.2	55
389	Volatile cycling of H ₂ O, CO ₂ , F, and Cl in the HIMU mantle: A new window provided by melt inclusions from oceanic hot spot lavas at Mangaia, Cook Islands. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 4445-4467	3.6	55
388	Pb-isotopic evidence for an early, enriched crust on Mars. <i>Earth and Planetary Science Letters</i> , 2015 , 410, 34-41	5.3	53
387	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	5.3	53
386	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	3.9	53

385	Timing of high-pressure metamorphism and exhumation of the eclogite type-locality (KupplerbrunnâBrickler Halt, Saualpe, south-eastern Austria): constraints from correlations of the SmâNd, LuâHf, UâPb and RbâSr isotopic systems. <i>Journal of Metamorphic Geology</i> , 2008 , 26, 561-581	4.4	53
384	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	3.9	52
383	Archean cherts in banded iron formation: Insight into Neoproterozoic ocean chemistry and depositional processes. <i>Precambrian Research</i> , 2012 , 214-215, 227-257	3.9	52
382	Fluid source and methane-related diagenetic processes recorded in cold seep carbonates from the Alvhelm channel, central North Sea. <i>Chemical Geology</i> , 2016 , 432, 16-33	4.2	51
381	Geochemical, UâPb zircon, and Nd isotope investigations of the Neoproterozoic Ghawjah Metavolcanic rocks, Northwestern Saudi Arabia. <i>Lithos</i> , 2010 , 120, 379-392	2.9	51
380	A Permian underplating event in late- to post-orogenic tectonic setting. Evidence from the maficâultramafic layered xenoliths from Beaunit (French Massif Central). <i>Chemical Geology</i> , 2003 , 199, 293-315	4.2	51
379	The FeiranâBolaf metamorphic complex, Sinai, Egypt: Geochronological and geochemical constraints on its evolution. <i>Precambrian Research</i> , 2013 , 239, 106-125	3.9	50
378	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	4.2	50
377	Phosphate ages in Apollo 14 breccias: Resolving multiple impact events with high precision UâPb SIMS analyses. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 174, 13-29	5.5	49
376	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	2.9	49
375	Provenance of conglomerate clasts from the volcano-sedimentary sequence at Wadi Rutig in southern Sinai, Egypt as revealed by SIMS UâPb dating of zircon. <i>Gondwana Research</i> , 2011 , 20, 450-464	5.1	49
374	Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland:. <i>Precambrian Research</i> , 1998 , 91, 365-381	3.9	49
373	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	5.1	48
372	Contrasting Granite Metallogeny through the Zircon Record: A Case Study from Myanmar. <i>Scientific Reports</i> , 2017 , 7, 748	4.9	48
371	Detrital zircon ages from southern Norway âimplications for the Proterozoic evolution of the southwestern Baltic Shield. <i>Contributions To Mineralogy and Petrology</i> , 1997 , 130, 47-58	3.5	48
370	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	2	48
369	A rare earth element study of complex zircons from early Archean Am ⁻ tsoq gneisses, Godthâsfjord, south-west Greenland. <i>Precambrian Research</i> , 2003 , 126, 363-377	3.9	48
368	Metallic lead nanospheres discovered in ancient zircons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4958-63	11.5	47

367	UâPb ion-microprobe zircon geochronology from the basement inliers of eastern Graham Land, Antarctic Peninsula. <i>Journal of the Geological Society</i> , 2012 , 169, 381-393	2.7	47
366	Provenance record from Mesoproterozoic-Cambrian sediments of Peary Land, North Greenland: Implications for the ice-covered Greenland Shield and Laurentian palaeogeography. <i>Precambrian Research</i> , 2009 , 170, 43-60	3.9	47
365	U-Pb chronometry of polymetamorphic high-pressure granulites: An example from the allochthonous terranes of the NW Iberian Variscan belt. <i>Memoir of the Geological Society of America</i> , 2007 , 469-488		47
364	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	3.5	46
363	Oxygen isotopic signature of 4.4â3.9 Ga zircons as a monitor of differentiation processes on the Moon. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 1864-1872	5.5	46
362	Precise determination of the isotopic composition of Sn using MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 1248-1256	3.7	46
361	Cell-specific nitrogen- and carbon-fixation of cyanobacteria in a temperate marine system (Baltic Sea). <i>Environmental Microbiology</i> , 2016 , 18, 4596-4609	5.2	45
360	Chlorine and hydrogen degassing in Vesta's magma ocean. <i>Earth and Planetary Science Letters</i> , 2017 , 459, 311-319	5.3	45
359	The tectonothermal evolution and provenance of the Tyrone Central Inlier, Ireland: Grampian imbrication of an outboard Laurentian microcontinent?. <i>Journal of the Geological Society</i> , 2008 , 165, 675-685	2.7	45
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