

Axel Gerdes

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398
papers

16,567
citations

62
h-index

115
g-index

420
ext. papers

18,955
ext. citations

3.1
avg. IF

6.94
L-index

#	Paper	IF	Citations
398	Plešovice zircon [A new natural reference material for U/Pb and Hf isotopic microanalysis. <i>Chemical Geology</i> , 2008 , 249, 1-35	4.2	2862
397	Combined U/Pb and Hf isotope LA-(MC-)ICP-MS analyses of detrital zircons: Comparison with SHRIMP and new constraints for the provenance and age of an Armorican metasediment in Central Germany. <i>Earth and Planetary Science Letters</i> , 2006 , 249, 47-61	5.3	607
396	Zircon formation versus zircon alteration [New insights from combined U/Pb and Lu/Hf in-situ LA-ICP-MS analyses, and consequences for the interpretation of Archean zircon from the Central Zone of the Limpopo Belt. <i>Chemical Geology</i> , 2009 , 261, 230-243	4.2	540
395	Precise and accurate in situ U/Pb dating of zircon with high sample throughput by automated LA-SF-ICP-MS. <i>Chemical Geology</i> , 2009 , 261, 261-270	4.2	328
394	Natural fractionation of ²³⁸ U/ ²³⁵ U. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 345-359	5.5	325
393	The Cadomian Orogeny and the opening of the Rheic Ocean: The diachrony of geotectonic processes constrained by LA-ICP-MS U/Pb zircon dating (Ossa-Morena and Saxo-Thuringian Zones, Iberian and Bohemian Massifs). <i>Tectonophysics</i> , 2008 , 461, 21-43	3.1	301
392	Archean Accretion and Crustal Evolution of the Kalahari Craton [The Zircon Age and Hf Isotope Record of Granitic Rocks from Barberton/Swaziland to the Francistown Arc. <i>Journal of Petrology</i> , 2009 , 50, 933-966	3.9	261
391	Archaean to Proterozoic Crustal Evolution in the Central Zone of the Limpopo Belt (South Africa-Botswana): Constraints from Combined U-Pb and Lu-Hf Isotope Analyses of Zircon. <i>Journal of Petrology</i> , 2007 , 48, 1605-1639	3.9	226
390	Magma-mixing in the genesis of Hercynian calc-alkaline granitoids: an integrated petrographic and geochemical study of the Sázava intrusion, Central Bohemian Pluton, Czech Republic. <i>Lithos</i> , 2004 , 78, 67-99	2.9	188
389	The Cadomian Orogen: Neoproterozoic to Early Cambrian crustal growth and orogenic zoning along the periphery of the West African Craton [Constraints from U/Pb zircon ages and Hf isotopes (Schwarzburg Antiform, Germany). <i>Precambrian Research</i> , 2014 , 244, 236-278	3.9	186
388	Multi-method chronometric constraints on the evolution of the Northern Kyrgyz Tien Shan granitoids (Central Asian Orogenic Belt): From emplacement to exhumation. <i>Journal of Asian Earth Sciences</i> , 2010 , 38, 131-146	2.8	181
387	Tracking the evolution of large-volume silicic magma reservoirs from assembly to supereruption. <i>Geology</i> , 2013 , 41, 867-870	5	172
386	SHRIMP U-Pb zircon dating from Sulu-Dabie dolomitic marble, eastern China: constraints on prograde, ultrahigh-pressure and retrograde metamorphic ages. <i>Journal of Metamorphic Geology</i> , 2006 , 24, 569-589	4.4	169
385	Palaeozoic amalgamation of Central Europe: new results from recent geological and geophysical investigations. <i>Tectonophysics</i> , 2002 , 360, 5-21	3.1	166
384	Crustal evolution and recycling in the northern Arabian-Nubian Shield: New perspectives from zircon Lu/Hf and U/Pb systematics. <i>Precambrian Research</i> , 2011 , 186, 101-116	3.9	141
383	Tantalum (niobium) mineralisation in African pegmatites and rare metal granites: Constraints from Ta/Nb oxide mineralogy, geochemistry and U/Pb geochronology. <i>Ore Geology Reviews</i> , 2015 , 64, 667-719	3.2	139
382	Coupled U/Pb/Hf of detrital zircons of Cambrian sandstones from Morocco and Sardinia: Implications for provenance and Precambrian crustal evolution of North Africa. <i>Gondwana Research</i> , 2012 , 21, 690-703	5.1	136

381	UPb ages of detrital zircons from the Basal allochthonous units of NW Iberia: Provenance and paleoposition on the northern margin of Gondwana during the Neoproterozoic and Paleozoic. <i>Gondwana Research</i> , 2010 , 18, 385-399	5.1	136
380	SHRIMP UPb dating, trace elements and the Lu/Hf isotope system of coesite-bearing zircon from amphibolite in the SW Sulu UHP terrane, eastern China. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 2973-3000	5.5	131
379	Hafnium isotope record of the Ancient Gneiss Complex, Swaziland, southern Africa: evidence for Archaean crustal formation and crust reworking between 3.66 and 2.73 Ga. <i>Journal of the Geological Society</i> , 2011 , 168, 953-964	2.7	123
378	Post-collisional granite generation and HTMP metamorphism by radiogenic heating: the Variscan South Bohemian Batholith. <i>Journal of the Geological Society</i> , 2000 , 157, 577-587	2.7	122
377	Provenance of Neoproterozoic and early Paleozoic siliciclastic rocks of the Teplá-Barrandian unit (Bohemian Massif): Evidence from UPb detrital zircon ages. <i>Gondwana Research</i> , 2011 , 19, 213-231	5.1	120
376	UPb and Lu/Hf systematics of zircon from TTG's, leucosomes, meta-anorthosites and quartzites of the Limpopo Belt (South Africa): Constraints for the formation, recycling and metamorphism of Palaeoarchaean crust. <i>Precambrian Research</i> , 2010 , 179, 50-68	3.9	111
375	Detrital zircon ages of Neoproterozoic sequences of the Moroccan Anti-Atlas belt. <i>Precambrian Research</i> , 2010 , 181, 115-128	3.9	111
374	History of crustal growth and recycling at the Pacific convergent margin of South America at latitudes 29°-36° S revealed by a UPb and Lu/Hf isotope study of detrital zircon from late Paleozoic accretionary systems. <i>Chemical Geology</i> , 2008 , 253, 114-129	4.2	104
373	Crustal evolution of the Southern Granulite Terrane, south India: New geochronological and geochemical data for felsic orthogneisses and granites. <i>Precambrian Research</i> , 2014 , 246, 91-122	3.9	103
372	North-Gondwana assembly, break-up and paleogeography: UPb isotope evidence from detrital and igneous zircons of Ediacaran and Cambrian rocks of SW Iberia. <i>Gondwana Research</i> , 2012 , 22, 866-881	5.1	98
371	Zircon UPb ages, REE concentrations and Hf isotope compositions of granitic leucosome and pegmatite from the north Sulu UHP terrane in China: Constraints on the timing and nature of partial melting. <i>Lithos</i> , 2010 , 117, 247-268	2.9	97
370	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
369	UPb and Hf isotope record of detrital zircons from gold-bearing sediments of the Pietersburg Greenstone Belt (South Africa): Is there a common provenance with the Witwatersrand Basin?. <i>Precambrian Research</i> , 2012 , 204-205, 46-56	3.9	92
368	Low-pressure Granulites of the Lišov Massif, Southern Bohemia: Evidence for Late Devonian Plutonic Arc Rocks. <i>Journal of Petrology</i> , 2006 , 47, 705-744	3.9	89
367	The Problem of Dating High-pressure Metamorphism: a U-Pb Isotope and Geochemical Study on Eclogites and Related Rocks of the Mariánské Lázně Complex, Czech Republic. <i>Journal of Petrology</i> , 2004 , 45, 1311-1338	3.9	88
366	Archaean to Palaeoproterozoic crustal evolution of the Aravalli mountain range, NW India, and its hinterland: The UPb and Hf isotope record of detrital zircon. <i>Precambrian Research</i> , 2011 , 187, 155-164	3.9	87
365	Baltica- and Gondwana-derived sediments in the Mid-German Crystalline Rise (Central Europe): Implications for the closure of the Rheic ocean. <i>Gondwana Research</i> , 2010 , 17, 254-263	5.1	87
364	A New Appraisal of Sri Lankan BB Zircon as a Reference Material for LA-ICP-MS U-Pb Geochronology and Lu-Hf Isotope Tracing. <i>Geostandards and Geoanalytical Research</i> , 2017 , 41, 335-358	3.6	83

363	U-Pb and Lu-Hf isotope record of detrital zircon grains from the Limpopo Belt: Evidence for crustal recycling at the Hadean to early-Archean transition. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 5304-5329	5.5	83
362	Absolute ages of multiple generations of brittle structures by U-Pb dating of calcite. <i>Geology</i> , 2018 , 46, 207-210	5	82
361	Multiple accretion at the eastern margin of the Rio de la Plata craton: the prolonged Brasiliano orogeny in southernmost Brazil. <i>International Journal of Earth Sciences</i> , 2011 , 100, 355-378	2.2	81
360	Nature of magmatism and sedimentation at a Columbia active margin: Insights from combined U-Pb and Lu-Hf isotope data of detrital zircons from NW India. <i>Gondwana Research</i> , 2013 , 23, 1040-1052	5.1	79
359	Two-stage collision: Exploring the birth of Pangea in the Variscan terranes. <i>Gondwana Research</i> , 2014 , 25, 756-763	5.1	79
358	Early Cretaceous migmatitic mafic granulites from the Sabzevar range (NE Iran): implications for the closure of the Mesozoic peri-Tethyan oceans in central Iran. <i>Terra Nova</i> , 2010 , 22, 26-34	3	79
357	Permo-Triassic anatexis, continental rifting and the disassembly of western Pangaea. <i>Lithos</i> , 2014 , 190-191, 383-402	2.9	75
356	Detrital zircon Hf isotopic composition indicates long-distance transport of North Gondwana Cambrian-Ordovician sandstones. <i>Geology</i> , 2011 , 39, 955-958	5	75
355	Unraveling Sedimentary Provenance and Tectonothermal History of High-Temperature Metapelites, Using Zircon and Monazite Chemistry: A Case Study from the Eastern Ghats Belt, India. <i>Journal of Geology</i> , 2009 , 117, 665-683	2	75
354	The oldest zircons of Africa—their U-Pb-Hf isotope and trace element systematics, and implications for Hadean to Archean crust-mantle evolution. <i>Precambrian Research</i> , 2014 , 241, 203-230	3.9	72
353	Late Neoproterozoic overprinting of the cassiterite and columbite-tantalite bearing pegmatites of the Gatumba area, Rwanda (Central Africa). <i>Journal of African Earth Sciences</i> , 2011 , 61, 10-26	2.2	72
352	U-Pb Detrital Zircon Analysis: Results of an Inter-laboratory Comparison. <i>Geostandards and Geoanalytical Research</i> , 2013 , 37, 243-259	3.6	71
351	The behavior of the Hf isotope system in radiation-damaged zircon during experimental hydrothermal alteration. <i>American Mineralogist</i> , 2010 , 95, 1343-1348	2.9	71
350	In situ U-Pb isotopic dating of columbite-tantalite by LA-ICP-MS. <i>Ore Geology Reviews</i> , 2015 , 65, 979-989	3.2	70
349	Late Neoproterozoic P-T evolution of HP-UHT Granulites from the Palni Hills (South India): New Constraints from Phase Diagram Modelling, LA-ICP-MS Zircon Dating and in-situ EMP Monazite Dating. <i>Journal of Petrology</i> , 2011 , 52, 1813-1856	3.9	70
348	The continuum between Cadomian orogenesis and opening of the Rheic Ocean: Constraints from LA-ICP-MS U-Pb zircon dating and analysis of plate-tectonic setting (Saxo-Thuringian zone, northeastern Bohemian Massif, Germany) 2007 ,		69
347	Hafnium isotope homogenization during metamorphic zircon growth in amphibolite-facies rocks: Examples from the Shackleton Range (Antarctica). <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 4740-4758	5.5	68
346	Evidence of Precambrian sedimentation/magmatism and Cambrian metamorphism in the Bitlis Massif, SE Turkey utilising whole-rock geochemistry and U-Pb LA-ICP-MS zircon dating. <i>Gondwana Research</i> , 2012 , 21, 1001-1018	5.1	66

345	Characterisation of Triassic rifting in Peru and implications for the early disassembly of western Pangaea. <i>Gondwana Research</i> , 2016 , 35, 124-143	5.1	66
344	1000-80 Ma crustal evolution in the northern Arabian-Nubian Shield revealed by U-Pb of detrital zircons from late Neoproterozoic sediments (Elat area, Israel). <i>Precambrian Research</i> , 2012 , 208-211, 197-212	3.9	65
343	The geodynamics of collision of a microplate (Chilena) in Devonian times deduced by the pressure-temperature-time evolution within part of a collisional belt (Guarguaraz Complex, W-Argentina). <i>Contributions To Mineralogy and Petrology</i> , 2011 , 162, 303-327	3.5	65
342	Reworking of Earth's first crust: Constraints from Hf isotopes in Archean zircons from Mt. Narryer, Australia. <i>Precambrian Research</i> , 2010 , 182, 175-186	3.9	65
341	Evolution and provenance of Neoproterozoic basement and Lower Paleozoic siliciclastic cover of the Menderes Massif (western Taurides): Coupled U-Pb zircon isotope geochemistry. <i>Gondwana Research</i> , 2013 , 23, 682-700	5.1	64
340	Peraluminous granites frequently with mantle-like isotope compositions: the continental-type Murzinka and Dzhabyk batholiths of the eastern Urals. <i>International Journal of Earth Sciences</i> , 2002 , 91, 3-19	2.2	64
339	Cadomian basement and Paleozoic to Triassic siliciclastics of the Taurides (Karahisar dome, south-central Turkey): Paleogeographic constraints from U-Pb in zircons. <i>Lithos</i> , 2015 , 227, 122-139	2.9	63
338	Detrital zircon ages from a Lower Ordovician quartzite of the Istanbul exotic terrane (NW Turkey): evidence for Amazonian affinity. <i>International Journal of Earth Sciences</i> , 2011 , 100, 23-41	2.2	63
337	The multistage exhumation history of the Kaghan Valley UHP series, NW Himalaya, Pakistan from U-Pb and ⁴⁰ Ar/ ³⁹ Ar ages. <i>European Journal of Mineralogy</i> , 2010 , 22, 703-719	2.2	63
336	Crustal geodynamics from the Archaean Bundelkhand Craton, India: constraints from zircon U-Pb isotope studies. <i>Geological Magazine</i> , 2016 , 153, 179-192	2	62
335	Small-scale Hf isotopic variability in the Peninsula pluton (South Africa): the processes that control inheritance of source ¹⁷⁶ Hf/ ¹⁷⁷ Hf diversity in S-type granites. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 168, 1	3.5	62
334	Methane and the origin of five-element veins: Mineralogy, age, fluid inclusion chemistry and ore forming processes in the Odenwald, SW Germany. <i>Ore Geology Reviews</i> , 2017 , 81, 42-61	3.2	62
333	Bunker Cave stalagmites: an archive for central European Holocene climate variability. <i>Climate of the Past</i> , 2012 , 8, 1751-1764	3.9	62
332	U-Pb and Hf isotope data of detrital zircons from the Barberton Greenstone Belt: constraints on provenance and Archaean crustal evolution. <i>Journal of the Geological Society</i> , 2013 , 170, 215-223	2.7	62
331	Tectonic setting and geochronology of the Cadomian (Ediacaran-Cambrian) magmatism in Central Iran, Kuh-e-Sarhangi region (NW Lut Block). <i>Journal of Asian Earth Sciences</i> , 2015 , 102, 24-44	2.8	60
330	An assessment of monazite from the Itambé pegmatite district for use as U-Pb isotope reference material for microanalysis and implications for the origin of the Moacyr monazite. <i>Chemical Geology</i> , 2016 , 424, 30-50	4.2	59
329	Trace element partitioning between mantle minerals and silico-carbonate melts at 6-2 GPa and applications to mantle metasomatism and kimberlite genesis. <i>Lithos</i> , 2013 , 160-161, 183-200	2.9	58
328	Kinematics of the Alpenrhein-Bodensee graben system in the Central Alps: Oligocene/Miocene transtension due to formation of the Western Alps arc. <i>Tectonics</i> , 2016 , 35, 1367-1391	4.3	57

327	Allochthonous terranes involved in the Variscan suture of NW Iberia: A review of their origin and tectonothermal evolution. <i>Earth-Science Reviews</i> , 2016 , 161, 140-178	10.2	56
326	Single-zircon evaporation ages and Rb/Bs dating of four major Variscan batholiths of the Urals: A perspective on the timing of deformation and granite generation. <i>Tectonophysics</i> , 2000 , 317, 93-108	3.1	56
325	Adakite differentiation and emplacement in a subduction channel: The late Paleocene Sabzevar magmatism (NE Iran). <i>Bulletin of the Geological Society of America</i> , 2014 , 126, 317-343	3.9	55
324	Geodynamic evolution of the early Paleozoic Western Gondwana margin 14°–17°S reflected by the detritus of the Devonian and Ordovician basins of southern Peru and northern Bolivia. <i>Gondwana Research</i> , 2010 , 18, 370-384	5.1	54
323	Neoarchean high-grade metamorphism in the Central Zone of the Limpopo Belt (South Africa): Combined petrological and geochronological evidence from the Bulai pluton. <i>Lithos</i> , 2008 , 103, 333-351	2.9	53
322	The Saxo-Danubian Granite Belt: magmatic response to post-collisional delamination of mantle lithosphere below the southwestern sector of the Bohemian Massif (Variscan orogen). <i>Geologica Carpathica</i> , 2009 , 60, 205-212	1.4	53
321	Origin and evolution of Avalonia: evidence from U/Bb and Lu/Hf isotopes in zircon from the Mira terrane, Canada, and the Stavelot/Venn Massif, Belgium. <i>Journal of the Geological Society</i> , 2013 , 170, 769-784	2.7	52
320	Distinguishing between in-situ and accretionary growth of continents along active margins. <i>Lithos</i> , 2014 , 202-203, 382-394	2.9	51
319	Archean crustal evolution in the Southern São Francisco craton, Brazil: Constraints from U-Pb, Lu-Hf and O isotope analyses. <i>Lithos</i> , 2016 , 266-267, 64-86	2.9	50
318	Insights on the crustal evolution of the West African Craton from Hf isotopes in detrital zircons from the Anti-Atlas belt. <i>Precambrian Research</i> , 2012 , 212-213, 263-274	3.9	50
317	U/Hf geochronology of meta-carbonatites and meta-alkaline rocks in the southern Canadian Cordillera: A geodynamic perspective. <i>Lithos</i> , 2012 , 152, 202-217	2.9	49
316	Differential subduction and exhumation of crustal slices in the Sulu HP-UHP metamorphic terrane: insights from mineral inclusions, trace elements, U-Pb and Lu-Hf isotope analyses of zircon in orthogneiss. <i>Journal of Metamorphic Geology</i> , 2009 , 27, 805-825	4.4	49
315	A hidden Tonian basement in the eastern Mediterranean: Age constraints from U/Bb data of magmatic and detrital zircons of the External Hellenides (Crete and Peloponnesus). <i>Precambrian Research</i> , 2015 , 258, 83-108	3.9	48
314	Implications of U/Bb and Lu/Hf isotopic analysis of detrital zircons for the depositional age, provenance and tectonic setting of the Permian-Triassic Palaeotethyan Karakaya Complex, NW Turkey. <i>International Journal of Earth Sciences</i> , 2016 , 105, 7-38	2.2	47
313	Timing and modes of granite magmatism in the core of the Alboran Domain, Rif chain, northern Morocco: Implications for the Alpine evolution of the western Mediterranean. <i>Tectonics</i> , 2010 , 29, n/a-n/a	4.3	47
312	U/Bb detrital zircon analysis of the lower allochthon of NW Iberia: age constraints, provenance and links with the Variscan mobile belt and Gondwanan cratons. <i>Journal of the Geological Society</i> , 2012 , 169, 655-665	2.7	46
311	U/Bb and Hf isotope records in detrital and magmatic zircon from eastern and western Dharwar craton, southern India: Evidence for coeval Archean crustal evolution. <i>Precambrian Research</i> , 2016 , 275, 496-512	3.9	45
310	Sveconorwegian Mid-crustal Ultrahigh-temperature Metamorphism in Rogaland, Norway: U/Bb LA-ICP-MS Geochronology and Pseudosections of Sapphirine Granulites and Associated Paragneisses. <i>Journal of Petrology</i> , 2013 , 54, 305-350	3.9	45

309	Re-interpreting the Devonian ophiolites involved in the Variscan suture: U-Pb and Lu-Hf zircon data of the Moeche Ophiolite (Cabo Ortegal Complex, NW Iberia). <i>International Journal of Earth Sciences</i> , 2014 , 103, 1385-1402	2.2	45
308	An Early Ordovician tonalitic-granodioritic belt along the Schistose-Greywacke Domain of the Central Iberian Zone (Iberian Massif, Variscan Belt). <i>Geological Magazine</i> , 2012 , 149, 927-939	2	45
307	U-Pb dating of calcite cement and diagenetic history in microporous carbonate reservoirs: Case of the Urgonian Limestone, France. <i>Geology</i> , 2018 , 46, 247-250	5	45
306	The calc-alkaline and adakitic volcanism of the Sabzevar structural zone (NE Iran): Implications for the Eocene magmatic flare-up in Central Iran. <i>Lithos</i> , 2016 , 248-251, 517-535	2.9	44
305	Geochemical and geochronological constraints on distinct Early-Neoproterozoic and Cambrian accretionary events along southern margin of the Baydrag Continent in western Mongolia. <i>Gondwana Research</i> , 2017 , 47, 200-227	5.1	44
304	New U-Pb dates show a Paleogene origin for the modern Asian biodiversity hot spots. <i>Geology</i> , 2018 , 46, 3-6	5	43
303	Provenance of the Variscan Upper Allochthon (Cabo Ortegal Complex, NW Iberian Massif). <i>Gondwana Research</i> , 2015 , 28, 1434-1448	5.1	42
302	Constraints on Variscan and Cimmerian magmatism and metamorphism in the Pontides (Yusufeli-Artvin area), NE Turkey from U-Pb dating and granite geochemistry. <i>Geological Society Special Publication</i> , 2013 , 372, 49-74	1.7	42
301	Isotope geochemistry and revised geochronology of the Purrido Ophiolite (Cabo Ortegal Complex, NW Iberian Massif): Devonian magmatism with mixed sources and involved Mesoproterozoic basement. <i>Journal of the Geological Society</i> , 2011 , 168, 733-750	2.7	42
300	Mineralogical and chemical evolution of tantalum-niobium mineralisation in pegmatites and granites. Part 2: Worldwide examples (excluding Africa) and an overview of global metallogenetic patterns. <i>Ore Geology Reviews</i> , 2017 , 89, 946-987	3.2	41
299	Palaeoproterozoic to Palaeozoic magmatic and metamorphic events in the Shackleton Range, East Antarctica: Constraints from zircon and monazite dating, and implications for the amalgamation of Gondwana. <i>Precambrian Research</i> , 2009 , 172, 25-45	3.9	41
298	Miocene emplacement and rapid cooling of the Pohorje pluton at the Alpine-Pannonian-Dinaridic junction, Slovenia. <i>Swiss Journal of Geosciences</i> , 2008 , 101, 255-271	2.1	41
297	The ages and tectonic setting of the Faja Eruptiva de la Puna Oriental, Ordovician, NW Argentina. <i>Lithos</i> , 2016 , 256-257, 41-54	2.9	41
296	The detrital zircon U-Pb fingerprint of the northern Arabian-Nubian Shield as reflected by a Late Ediacaran arkosic wedge (Zenifim Formation; subsurface Israel). <i>Precambrian Research</i> , 2015 , 266, 1-11	3.9	40
295	Closure of the Paleotethys in the External Hellenides: Constraints from U-Pb ages of magmatic and detrital zircons (Crete). <i>Gondwana Research</i> , 2015 , 28, 642-667	5.1	40
294	Age and mineralogy of supergene uranium minerals: Tools to unravel geomorphological and palaeohydrological processes in granitic terrains (Bohemian Massif, SE Germany). <i>Geomorphology</i> , 2010 , 117, 44-65	4.3	40
293	Timing of incremental pluton construction and magmatic activity in a back-arc setting revealed by ID-TIMS U/Pb and Hf isotopes on complex zircon grains. <i>Chemical Geology</i> , 2013 , 342, 76-93	4.2	38
292	Detrital rutile U-Pb perspective on the origin of the great Cambro-Ordovician sandstone of North Gondwana and its linkage to orogeny. <i>Gondwana Research</i> , 2017 , 51, 17-29	5.1	38

291	The Bazar Ophiolite of NW Iberia: a relic of the Iapetus-Tornquist Ocean in the Variscan suture. <i>Terra Nova</i> , 2012 , 24, 283-294	3	37
290	Clasts of Variscan high-grade rocks within Upper Visûn conglomerates [constraints on exhumation history from petrology and U-Pb chronology. <i>Journal of Metamorphic Geology</i> , 2007 , 25, 781-801	4-4	37
289	Cu-Fe-U phosphate mineralization of the Hagendorf-Pleystein pegmatite province, Germany: with special reference to laser-ablation inductively-coupled plasma mass spectrometry (LA-ICP-MS) of limonite-cored torbernite. <i>Mineralogical Magazine</i> , 2007 , 71, 371-387	1.7	37
288	An emerging thermochronometer for carbonate-bearing rocks: $^{87}\text{Sr}/^{86}\text{Sr}$ /(U-Pb). <i>Geology</i> , 2018 , 46, 1067-1070	5	37
287	Decompressional Heating of the Mahalapye Complex (Limpopo Belt, Botswana): a Response to Palaeoproterozoic Magmatic Underplating?. <i>Journal of Petrology</i> , 2010 , 51, 703-729	3.9	36
286	Arc-related Ediacaran magmatism along the northern margin of Gondwana: Geochronology and isotopic geochemistry from northern Iberia. <i>Gondwana Research</i> , 2015 , 27, 216-227	5.1	35
285	A ~565 Ma old glaciation in the Ediacaran of peri-Gondwanan West Africa. <i>International Journal of Earth Sciences</i> , 2018 , 107, 885-911	2.2	35
284	Early Variscan (Visean) granites in the core of central Pyrenean gneiss domes: implications from laser ablation U-Pb and Th-Pb studies. <i>Gondwana Research</i> , 2016 , 29, 181-198	5.1	35
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