Axel Gerdes

List of Publications by Year
in descending order

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408 papers	21,590 citations	12303 69 h-index	13338 130 g-index
420 all docs	420 docs citations	420 times ranked	9626 citing authors

#	Article	IF	Citations
1	PleÅ¡ovice zircon â€" A new natural reference material for Uâ€"Pb and Hf isotopic microanalysis. Chemical Geology, 2008, 249, 1-35.	1.4	3,858
2	Combined Uâ€"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. Earth and Planetary Science Letters, 2006, 249, 47-61.	1.8	711
3	Zircon formation versus zircon alteration â€" New insights from combined Uâ€"Pb and Luâ€"Hf in-situ LA-ICP-MS analyses, and consequences for the interpretation of Archean zircon from the Central Zone of the Limpopo Belt. Chemical Geology, 2009, 261, 230-243.	1.4	639
4	Natural fractionation of 238U/235U. Geochimica Et Cosmochimica Acta, 2008, 72, 345-359.	1.6	409
5	Precise and accurate in situ Uâ€"Pb dating of zircon with high sample throughput by automated LA-SF-ICP-MS. Chemical Geology, 2009, 261, 261-270.	1.4	381
6	The Cadomian Orogeny and the opening of the Rheic Ocean: The diacrony of geotectonic processes constrained by LA-ICP-MS Uâ€"Pb zircon dating (Ossa-Morena and Saxo-Thuringian Zones, Iberian and) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	378
7	Archean Accretion and Crustal Evolution of the Kalahari Cratonâ€"the Zircon Age and Hf Isotope Record of Granitic Rocks from Barberton/Swaziland to the Francistown Arc. Journal of Petrology, 2009, 50, 933-966.	1.1	290
8	Archaean to Proterozoic Crustal Evolution in the Central Zone of the Limpopo Belt (South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td Petrology, 2007, 48, 1605-1639.	1.1	265
9	The Cadomian Orogen: Neoproterozoic to Early Cambrian crustal growth and orogenic zoning along the periphery of the West African Cratonâ€"Constraints from Uâ€"Pb zircon ages and Hf isotopes (Schwarzburg Antiform, Germany). Precambrian Research, 2014, 244, 236-278.	1.2	245
10	Tracking the evolution of large-volume silicic magma reservoirs from assembly to supereruption. Geology, 2013, 41, 867-870.	2.0	226
11	Magma-mixing in the genesis of Hercynian calc-alkaline granitoids: an integrated petrographic and geochemical study of the SÃ¡zava intrusion, Central Bohemian Pluton, Czech Republic. Lithos, 2004, 78, 67-99.	0.6	224
12	Multi-method chronometric constraints on the evolution of the Northern Kyrgyz Tien Shan granitoids (Central Asian Orogenic Belt): From emplacement to exhumation. Journal of Asian Earth Sciences, 2010, 38, 131-146.	1.0	207
13	SHRIMP Uâ€Pb zircon dating from Suluâ€Dabie dolomitic marble, eastern China: constraints on prograde, ultrahighâ€pressure and retrograde metamorphic ages. Journal of Metamorphic Geology, 2006, 24, 569-589.	1.6	197
14	Tantalumâ€"(niobiumâ€"tin) mineralisation in African pegmatites and rare metal granites: Constraints from Taâ€"Nb oxide mineralogy, geochemistry and Uâ€"Pb geochronology. Ore Geology Reviews, 2015, 64, 667-719.	1.1	187
15	Palaeozoic amalgamation of Central Europe: new results from recent geological and geophysical investigations. Tectonophysics, 2002, 360, 5-21.	0.9	186
16	Crustal evolution and recycling in the northern Arabian-Nubian Shield: New perspectives from zircon Luâ€"Hf and Uâ€"Pb systematics. Precambrian Research, 2011, 186, 101-116.	1.2	160
17	Coupled Uâ€"Pbâ€"Hf of detrital zircons of Cambrian sandstones from Morocco and Sardinia: Implications for provenance and Precambrian crustal evolution of North Africa. Gondwana Research, 2012, 21, 690-703.	3.0	159
18	Postâ€collisional granite generation and HTâ€"LP metamorphism by radiogenic heating: the Variscan South Bohemian Batholith. Journal of the Geological Society, 2000, 157, 577-587.	0.9	154

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19	Uâ€“Thâ€“Pb and Luâ€“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. Precambrian Research, 2010, 179, 50-68.	1.2	153
20	SHRIMP Uâ€“Pb dating, trace elements and the Luâ€“Hf isotope system of coesite-bearing zircon from amphibolite in the SW Sulu UHP terrane, eastern China. Geochimica Et Cosmochimica Acta, 2008, 72, 2973-3000.	1.6	150
21	Uâ€“Pb 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. Gondwana Research, 2010, 18, 385-399.	3.0	149
22	Provenance of Neoproterozoic and early Paleozoic siliciclastic rocks of the TeplÃ¡-Barrandian unit (Bohemian Massif): Evidence from Uâ€“Pb detrital zircon ages. Gondwana Research, 2011, 19, 213-231.	3.0	145
23	Detrital zircon ages of Neoproterozoic sequences of the Moroccan Anti-Atlas belt. Precambrian Research, 2010, 181, 115-128.	1.2	141
24	Hafnium isotope record of the Ancient Gneiss Complex, Swaziland, southern Africa: evidence for Archaean crustâ€“mantle formation and crust reworking between 3.66 and 2.73 Ga. Journal of the Geological Society, 2011, 168, 953-964.	0.9	139
25	A New Appraisal of Sri Lankan <scp>BB</scp> Zircon as a Reference MaterialÂfor LAâ€ICPâ€MS Uâ€Pb Geochronology and Luâ€Hf IsotopeÂTracing. Geostandards and Geoanalytical Research, 2017, 41, 335-358.	1.7	135
26	Crustal evolution of the Southern Granulite Terrane, south India: New geochronological and geochemical data for felsic orthogneisses and granites. Precambrian Research, 2014, 246, 91-122.	1.2	133
27	Absolute ages of multiple generations of brittle structures by U-Pb dating of calcite. Geology, 2018, 46, 207-210.	2.0	121
28	History of crustal growth and recycling at the Pacific convergent margin of South America at latitudes 29Â°â€“36Â° S revealed by a Uâ€“Pb and Luâ€“Hf isotope study of detrital zircon from late Paleozoic accretionary systems. Chemical Geology, 2008, 253, 114-129.	1.4	117
29	North-Gondwana assembly, break-up and paleogeography: Uâ€“Pb isotope evidence from detrital and igneous zircons of Ediacaran and Cambrian rocks of SW Iberia. Gondwana Research, 2012, 22, 866-881.	3.0	115
30	Zircon Uâ€“Pb 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. Lithos, 2010, 117, 247-268.	0.6	113
31	Magmatism and early-Variscan continental subduction in the northern Gondwana margin recorded in zircons from the basal units of Galicia, NW Spain. Bulletin of the Geological Society of America, 2010, 122, 219-235.	1.6	110
32	In situ Uâ€“Pb isotopic dating of columbiteâ€“tantalite by LAâ€“ICPâ€“MS. Ore Geology Reviews, 2015, 65, 979-989.	1.1	110
33	Archaean to Palaeoproterozoic crustal evolution of the Aravalli mountain range, NW India, and its hinterland: The Uâ€“Pb and Hf isotope record of detrital zircon. Precambrian Research, 2011, 187, 155-164.	1.2	107
34	Multiple accretion at the eastern margin of the Rio de la Plata craton: the prolonged Brasiliano orogeny in southernmost Brazil. International Journal of Earth Sciences, 2011, 100, 355-378.	0.9	107
35	The Problem of Dating High-pressure Metamorphism: a U-Pb Isotope and Geochemical Study on Eclogites and Related Rocks of the Marianske Lazne Complex, Czech Republic. Journal of Petrology, 2004, 45, 1311-1338.	1.1	106
36	Uâ€“Pb and Hf isotope record of detrital zircons from gold-bearing sediments of the Pietersburg Greenstone Belt (South Africa)â€”Is there a common provenance with the Witwatersrand Basin?. Precambrian Research, 2012, 204-205, 46-56.	1.2	104

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37	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,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5		
38	Baltica- and Gondwana-derived sediments in the Mid-German Crystalline Rise (Central Europe): Implications for the closure of the Rheic ocean. Gondwana Research, 2010, 17, 254-263.	3.0	101
39	Nature of magmatism and sedimentation at a Columbia active margin: Insights from combined Uâ€“Pb and Luâ€“Hf isotope data of detrital zircons from NW India. Gondwana Research, 2013, 23, 1040-1052.	3.0	100
40	Low-pressure Granulites of the LiÅ¡ov Massif, Southern Bohemia: VisÃ©an Metamorphism of Late Devonian Plutonic Arc Rocks. Journal of Petrology, 2006, 47, 705-744.	1.1	98
41	Permo-Triassic anatexis, continental rifting and the disassembly of western Pangaea. Lithos, 2014, 190-191, 383-402.	0.6	98
42	Early Cretaceous migmatitic mafic granulites from the Sabzevar range (NE Iran): implications for the closure of the Mesozoic peri-Tethyan oceans in central Iran. Terra Nova, 2010, 22, 26-34.	0.9	97
43	Two-stage collision: Exploring the birth of Pangea in the Variscan terranes. Gondwana Research, 2014, 25, 756-763.	3.0	97
44	Uâ€“Pb and Luâ€“Hf isotope record of detrital zircon grains from the Limpopo Belt â€“ Evidence for crustal recycling at the Hadean to early-Archean transition. Geochimica Et Cosmochimica Acta, 2008, 72, 5304-5329.	1.6	95
45	Uâ€Pb Detrital Zircon Analysis â€“ Results of an Interâ€laboratory Comparison. Geostandards and Geoanalytical Research, 2013, 37, 243-259.	1.7	95
46	An assessment of monazite from the ItambÃ© pegmatite district for use as Uâ€“Pb isotope reference material for microanalysis and implications for the origin of the â€œMoacyrâ€•monazite. Chemical Geology, 2016, 424, 30-50.	1.4	94
47	Characterisation of Triassic rifting in Peru and implications for the early disassembly of western Pangaea. Gondwana Research, 2016, 35, 124-143.	3.0	92
48	Late Neoproterozoic overprinting of the cassiterite and columbite-tantalite bearing pegmatites of the Gatumba area, Rwanda (Central Africa). Journal of African Earth Sciences, 2011, 61, 10-26.	0.9	90
49	Methane and the origin of five-element veins: Mineralogy, age, fluid inclusion chemistry and ore forming processes in the Odenwald, SW Germany. Ore Geology Reviews, 2017, 81, 42-61.	1.1	90
50	Kinematics of the Alpenrhein-Bodensee graben system in the Central Alps: Oligocene/Miocene transtension due to formation of the Western Alps arc. Tectonics, 2016, 35, 1367-1391.	1.3	87
51	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. Journal of Petrology, 2011, 52, 1813-1856.	1.1	86
52	The geodynamics of collision of a microplate (Chilenia) in Devonian times deduced by the pressureâ€“temperatureâ€“time evolution within part of a collisional belt (Guarguaraz Complex,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	84
53	Detrital zircon Hf isotopic composition indicates long-distance transport of North Gondwana Cambrianâ€“Ordovician sandstones. Geology, 2011, 39, 955-958.	2.0	84
54	The oldest zircons of Africaâ€”Their Uâ€“Pbâ€“Hfâ€“O isotope and trace element systematics, and implications for Hadean to Archean crustâ€“mantle evolution. Precambrian Research, 2014, 241, 203-230.	1.2	83

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55	Unraveling Sedimentary Provenance and Tectonothermal History of Highâ€Temperature Metapelites, Using Zircon and Monazite Chemistry: A Case Study from the Eastern Ghats Belt, India. Journal of Geology, 2009, 117, 665-683.	0.7	82
56	Evidence of Precambrian sedimentation/magmatism and Cambrian metamorphism in the Bitlis Massif, SE Turkey utilising whole-rock geochemistry and Uâ€“Pb LA-ICP-MS zircon dating. Gondwana Research, 2012, 21, 1001-1018.	3.0	82
57	Cadomian basement and Paleozoic to Triassic siliciclastics of the Taurides (Karacahisar dome,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	82
58	The multistage exhumation history of the Kaghan Valley UHP series, NW Himalaya, Pakistan from U-Pb and 40Ar/39Ar ages. European Journal of Mineralogy, 2010, 22, 703-719.	0.4	81
59	Bunker Cave stalagmites: an archive for central European Holocene climate variability. Climate of the Past, 2012, 8, 1751-1764.	1.3	81
60	Crustal geodynamics from the Archaean Bundelkhand Craton, India: constraints from zircon Uâ€“Pbâ€“Hf isotope studies. Geological Magazine, 2016, 153, 179-192.	0.9	81
61	The behavior of the Hf isotope system in radiation-damaged zircon during experimental hydrothermal alteration. American Mineralogist, 2010, 95, 1343-1348.	0.9	80
62	Peraluminous granites frequently with mantle-like isotope compositions: the continental-type Murzinka and Dzhabyk batholiths of the eastern Urals. International Journal of Earth Sciences, 2002, 91, 3-19.	0.9	78
63	Evolution and provenance of Neoproterozoic basement and Lower Paleozoic siliciclastic cover of the Menderes Massif (western Taurides): Coupled Uâ€“Pbâ€“Hf zircon isotope geochemistry. Gondwana Research, 2013, 23, 682-700.	3.0	77
64	Hafnium isotope homogenization during metamorphic zircon growth in amphibolite-facies rocks: Examples from the Shackleton Range (Antarctica). Geochimica Et Cosmochimica Acta, 2010, 74, 4740-4758.	1.6	76
65	1000â€“580Ma crustal evolution in the northern Arabian-Nubian Shield revealed by Uâ€“Pbâ€“Hf of detrital zircons from late Neoproterozoic sediments (Elat area, Israel). Precambrian Research, 2012, 208-211, 197-212.	1.2	76
66	Small-scale Hf isotopic variability in the Peninsula pluton (South Africa): the processes that control inheritance of source 176Hf/177Hf diversity in S-type granites. Contributions To Mineralogy and Petrology, 2014, 168, 1.	1.2	75
67	Tectonic setting and geochronology of the Cadomian (Ediacaran-Cambrian) magmatism in Central Iran, Kuh-e-Sarhangi region (NW Lut Block). Journal of Asian Earth Sciences, 2015, 102, 24-44.	1.0	74
68	New U-Pb dates show a Paleogene origin for the modern Asian biodiversity hot spots. Geology, 2018, 46, 3-6.	2.0	74
69	The Saxo-Danubian Granite Belt: magmatic response to post-collisional delamination of mantle lithosphere below the southwestern sector of the Bohemian Massif (Variscan orogen). Geologica Carpathica, 2009, 60, 205-212.	0.2	74
70	Reworking of Earth's first crust: Constraints from Hf isotopes in Archean zircons from Mt. Narryer, Australia. Precambrian Research, 2010, 182, 175-186.	1.2	73
71	Origin and evolution of Avalonia: evidence from Uâ€“Pb and Luâ€“Hf isotopes in zircon from the Mira terrane, Canada, and the Stavelotâ€“Venn Massif, Belgium. Journal of the Geological Society, 2013, 170, 769-784.	0.9	73
72	Detrital zircon ages from a Lower Ordovician quartzite of the Ä°stanbul exotic terrane (NW Turkey): evidence for Amazonian affinity. International Journal of Earth Sciences, 2011, 100, 23-41.	0.9	72

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73	Trace element partitioning between mantle minerals and silico-carbonate melts at 6â€“12GPa and applications to mantle metasomatism and kimberlite genesis. Lithos, 2013, 160-161, 183-200.	0.6	72
74	Allochthonous terranes involved in the Variscan suture of NW Iberia: A review of their origin and tectonothermal evolution. Earth-Science Reviews, 2016, 161, 140-178.	4.0	71
75	Uâ€“Pb and Hf isotope data of detrital zircons from the Barberton Greenstone Belt: constraints on provenance and Archaean crustal evolution. Journal of the Geological Society, 2013, 170, 215-223.	0.9	70
76	Geodynamic evolution of the early Paleozoic Western Gondwana margin 14Â°â€“17Â°S reflected by the detritus of the Devonian and Ordovician basins of southern Peru and northern Bolivia. Gondwana Research, 2010, 18, 370-384.	3.0	69
77	Differential subduction and exhumation of crustal slices in the Sulu HPâ€UHP metamorphic terrane: insights from mineral inclusions, trace elements, Uâ€Pb and Luâ€Hf isotope analyses of zircon in orthogneiss. Journal of Metamorphic Geology, 2009, 27, 805-825.	1.6	65
78	U-Pb dating of calcite cement and diagenetic history in microporous carbonate reservoirs: Case of the Urgonian Limestone, France. Geology, 2018, 46, 247-250.	2.0	65
79	Distinguishing between in-situ and accretionary growth of continents along active margins. Lithos, 2014, 202-203, 382-394.	0.6	64
80	Neoarchaean high-grade metamorphism in the Central Zone of the Limpopo Belt (South Africa): Combined petrological and geochronological evidence from the Bulai pluton. Lithos, 2008, 103, 333-351.	0.6	63
81	Adakite differentiation and emplacement in a subduction channel: The late Paleocene Sabzevar magmatism (NE Iran). Bulletin of the Geological Society of America, 2014, 126, 317-343.	1.6	63
82	Insights on the crustal evolution of the West African Craton from Hf isotopes in detrital zircons from the Anti-Atlas belt. Precambrian Research, 2012, 212-213, 263-274.	1.2	62
83	Implications of Uâ€“Pb and Luâ€“Hf isotopic analysis of detrital zircons for the depositional age, provenance and tectonic setting of the Permianâ€“Triassic Palaeotethyan Karakaya Complex, NW Turkey. International Journal of Earth Sciences, 2016, 105, 7-38.	0.9	62
84	How do granitoid magmas mix with each other? Insights from textures, trace element and Srâ€“Nd isotopic composition of apatite and titanite from the Matok pluton (South Africa). Contributions To Mineralogy and Petrology, 2017, 172, 1.	1.2	62
85	A hidden Tonian basement in the eastern Mediterranean: Age constraints from Uâ€“Pb data of magmatic and detrital zircons of the External Hellenides (Crete and Peloponnesus). Precambrian Research, 2015, 258, 83-108.	1.2	61
86	The calc-alkaline and adakitic volcanism of the Sabzevar structural zone (NE Iran): Implications for the Eocene magmatic flare-up in Central Iran. Lithos, 2016, 248-251, 517-535.	0.6	60
87	Mineralogical and chemical evolution of tantalumâ€“(niobiumâ€“tin) mineralisation in pegmatites and granites. Part 2: Worldwide examples (excluding Africa) and an overview of global metallogenetic patterns. Ore Geology Reviews, 2017, 89, 946-987.	1.1	60
88	An emerging thermochronometer for carbonate-bearing rocks: â^†47 /(U-Pb). Geology, 2018, 46, 1067-1070.	2.0	60
89	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. Tectonics, 2010, 29, n/a-n/a.	1.3	59
90	Single-zircon evaporation ages and Rbâ€“Sr dating of four major Variscan batholiths of the Urals. Tectonophysics, 2000, 317, 93-108.	0.9	58

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91	Miocene emplacement and rapid cooling of the Pohorje pluton at the Alpine-Pannonian-Dinaridic junction, Slovenia. Swiss Journal of Geosciences, 2008, 101, 255-271.	0.5	58
92	Resolving the Variscan evolution of the Moldanubian sector of the Bohemian Massif: the significance of the Bavarian and the Moravo-Moldanubian tectonometamorphic phases. Journal of Geosciences (Czech Republic), 2012, , 9-28.	0.3	58
93	Constraints on Variscan and Cimmerian magmatism and metamorphism in the Pontides (Yusufeliâ€“Artvin area), NE Turkey from Uâ€“Pb dating and granite geochemistry. Geological Society Special Publication, 2013, 372, 49-74.	0.8	58
94	Uâ€“Pb and Hf isotope records in detrital and magmatic zircon from eastern and western Dharwar craton, southern India: Evidence for coeval Archaean crustal evolution. Precambrian Research, 2016, 275, 496-512.	1.2	58
95	Geochemical and geochronological constraints on distinct Early-Neoproterozoic and Cambrian accretionary events along southern margin of the Baydrag Continent in western Mongolia. Gondwana Research, 2017, 47, 200-227.	3.0	57
96	Archean crustal evolution in the Southern SÃ£o Francisco craton, Brazil: Constraints from U-Pb, Lu-Hf and O isotope analyses. Lithos, 2016, 266-267, 64-86.	0.6	56
97	Uâ€“Thâ€“Pb geochronology of meta-carbonatites and meta-alkaline rocks in the southern Canadian Cordillera: A geodynamic perspective. Lithos, 2012, 152, 202-217.	0.6	55
98	A ~565ÂMa old glaciation in the Ediacaran of peri-Gondwanan West Africa. International Journal of Earth Sciences, 2018, 107, 885-911.	0.9	55
99	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. Chemical Geology, 2013, 342, 76-93.	1.4	54
100	Provenance of the Variscan Upper Allochthon (Cabo Ortegal Complex, NW Iberian Massif). Gondwana Research, 2015, 28, 1434-1448.	3.0	54
101	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. Precambrian Research, 2009, 172, 25-45.	1.2	52
102	Uâ€“Pb detrital zircon analysis of the lower allochthon of NW Iberia: age constraints, provenance and links with the Variscan mobile belt and Gondwanan cratons. Journal of the Geological Society, 2012, 169, 655-665.	0.9	52
103	Neogene fluvial landscape evolution in the hyperarid core of the Atacama Desert. Scientific Reports, 2018, 8, 13952.	1.6	52
104	The detrital zircon Uâ€“Pbâ€“Hf fingerprint of the northern Arabianâ€“Nubian Shield as reflected by a Late Ediacaran arkosic wedge (Zenifim Formation; subsurface Israel). Precambrian Research, 2015, 266, 1-11.	1.2	51
105	An Early Ordovician tonaliticâ€“granodioritic belt along the Schistose-Greywacke Domain of the Central Iberian Zone (Iberian Massif, Variscan Belt). Geological Magazine, 2012, 149, 927-939.	0.9	50
106	Rapid Middle Eocene temperature change in western North America. Earth and Planetary Science Letters, 2016, 450, 132-139.	1.8	50
107	U-Pb zircon constraints on the age of the Cretaceous Mata Amarilla Formation, Southern Patagonia, Argentina: its relationship with the evolution of the Austral Basin. Andean Geology, 2012, 39, .	0.2	49
108	Sveconorwegian Mid-crustal Ultrahigh-temperature Metamorphism in Rogaland, Norway: U-Pb LA-ICP-MS Geochronology and Pseudosections of Sapphirine Granulites and Associated Paragneisses. Journal of Petrology, 2013, 54, 305-350.	1.1	49

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109	Re-interpreting the Devonian ophiolites involved in the Variscan suture: Uâ€“Pb and Luâ€“Hf zircon data of the Moeche Ophiolite (Cabo Ortegal Complex, NW Iberia). International Journal of Earth Sciences, 2014, 103, 1385-1402.	0.9	49
110	Closure of the Paleotethys in the External Hellenides: Constraints from Uâ€“Pb ages of magmatic and detrital zircons (Crete). Gondwana Research, 2015, 28, 642-667.	3.0	49
111	Characterization of zircon reference materials via high precision Uâ€“Pb LA-MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2017, 32, 2011-2023.	1.6	49
112	Detrital rutile U-Pb perspective on the origin of the great Cambro-Ordovician sandstone of North Gondwana and its linkage to orogeny. Gondwana Research, 2017, 51, 17-29.	3.0	48
113	Age and mineralogy of supergene uranium minerals â€" Tools to unravel geomorphological and palaeohydrological processes in granitic terrains (Bohemian Massif, SE Germany). Geomorphology, 2010, 117, 44-65.	1.1	47
114	The connection between hydrothermal fluids, mineralization, tectonics and magmatism in a continental rift setting: Fluorite Sm-Nd and hematite and carbonates U-Pb geochronology from the Rhinegraben in SW Germany. Geochimica Et Cosmochimica Acta, 2018, 240, 11-42.	1.6	47
115	Decompressional Heating of the Mahalapye Complex (Limpopo Belt, Botswana): a Response to Palaeoproterozoic Magmatic Underplating?. Journal of Petrology, 2010, 51, 703-729.	1.1	46
116	The ages and tectonic setting of the Faja Eruptiva de la Puna Oriental, Ordovician, NW Argentina. Lithos, 2016, 256-257, 41-54.	0.6	46
117	Volatile-rich Metasomatism in the Cratonic Mantle beneath SW Greenland: Link to Kimberlites and Mid-lithospheric Discontinuities. Journal of Petrology, 2017, 58, 2311-2338.	1.1	46
118	The four Neoproterozoic glaciations of southern Namibia and their detrital zircon record: The fingerprints of four crustal growth events during two supercontinent cycles. Precambrian Research, 2015, 259, 176-188.	1.2	45
119	Testing the preservation potential of early diagenetic dolomites as geochemical archives. Sedimentology, 2020, 67, 849-881.	1.6	45
120	Speeding Up the Analytical Workflow for Coltan Fingerprinting by an Integrated Mineral Liberation Analysis/LAâ€ICPâ€MS Approach. Geostandards and Geoanalytical Research, 2011, 35, 431-448.	1.7	44
121	Arc-related Ediacaran magmatism along the northern margin of Gondwana: Geochronology and isotopic geochemistry from northern Iberia. Gondwana Research, 2015, 27, 216-227.	3.0	44
122	Early Variscan (Visean) granites in the core of central Pyrenean gneiss domes: implications from laser ablation U-Pb and Th-Pb studies. Gondwana Research, 2016, 29, 181-198.	3.0	44
123	Clasts of Variscan highâ€grade rocks within Upper VisÃ©an conglomerates â€" constraints on exhumation history from petrology and Uâ€Pb chronology. Journal of Metamorphic Geology, 2007, 25, 781-801.	1.6	43
124	Isotope geochemistry and revised geochronology of the Purrido Ophiolite (Cabo Ortegal Complex,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Journal of the Geological Society, 2011, 168, 733-750.	0.9	43
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