Armin Zeh

List of Publications by Year
in descending order

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85 papers	5,250 citations	87888 38 h-index	82547 72 g-index
85 all docs	85 docs citations	85 times ranked	2579 citing authors

#	Article	IF	Citations
1	Integrated geological-geophysical investigation of gold-hosting Rhyacian intrusions (Yaou, French) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	5
2	Zircon U-Pb-Hf isotope systematics of Limpopo Belt quartzites and igneous rocks, implications for Kaapvaal â€“ Zimbabwe Craton accretion. Precambrian Research, 2022, 373, 106631.	2.7	8
3	Downdip Development of the Ni-Cu-PGE-Bearing Mafic to Ultramafic Uitkomst Complex, Mpumalanga Province, South Africa. Minerals (Basel, Switzerland), 2022, 12, 22.	2.0	0
4	Unconformityâ€covering pillow lava dated at 2.14â€‰Ga: Challenging the â€œstableâ€shelfâ€•Minas Supergroup of the QuadrilÃ¡tero FerrÃfero, Minas Gerais, Brazil. Geological Journal, 2022, 57, 2046-2057.	1.3	3
5	Lu-Hf Isotopic Data of the Mbé-Sassa-Mbersi Tonalite (Central Cameroon Domain): Indicator of ca. 1.0 Ga Juvenile Tonian Magmatism in the Region. Journal of Geoscience and Environment Protection, 2021, 09, 1-19.	0.5	2
6	Hybrid granite magmatism during orogenic collapse in the Eastern Desert of Egypt: Inferences from whole-rock geochemistry and zircon Uâ€“Pbâ€“Hf isotopes. Precambrian Research, 2021, 354, 106044.	2.7	20
7	Archean to Proterozoic (3535â€“900ÂMa) crustal evolution of the central Aravalli Banded Gneissic Complex, NW India: New constraints from zircon U-Pb-Hf isotopes and geochemistry. Precambrian Research, 2021, 359, 106179.	2.7	16
8	U-Pb-Hf isotopic systematics of zircons from granites and metasediments of southern OuaddaÃ¯ (Chad), implications for crustal evolution and provenance in the Central Africa Orogenic Belt. Precambrian Research, 2021, 361, 106233.	2.7	10
9	Combining detrital zircon shape and Uâ€“Pbâ€“Hf isotope analyses for provenance studies â€“ An example from the Aquiri region, Amazon Craton, Brazil. Precambrian Research, 2021, 364, 106343.	2.7	10
10	Zircon of Triassic Age in the Stuttgart Formation (Schilfsandstein)â€”Witness of Tephra Fallout in the Central European Basin and New Constraints on the Mid-Carnian Episode. Frontiers in Earth Science, 2021, 9, .	1.8	1
11	First evidence for Neoproterozoic magmatism in the QuadrilÃ¡tero FerrÃfero of Minas Gerais, Brazil, and geotectonic implications. Journal of South American Earth Sciences, 2020, 104, 102844.	1.4	7
12	Zircon U-Pb-Hf isotope systematics of Transvaal Supergroup â€“ Constraints for the geodynamic evolution of the Kaapvaal Craton and its hinterland between 2.65 and 2.06ÂGa. Precambrian Research, 2020, 345, 105760.	2.7	26
13	Silicate-Carbonate Liquid Immiscibility: Insights from the Crevier Alkaline Intrusion (Quebec). Journal of Petrology, 2020, 61, .	2.8	13
14	First Evidence of Late Paleoproterozoic/Early Mesoproterozoic Sediment Deposition and Magmatism in the Central Aravalli Orogen (NW India). Journal of Geology, 2020, 128, 109-129.	1.4	18
15	Monazite and cassiterite U Pb dating of the Abu Dabbab rare-metal granite, Egypt: Late Cryogenian metalliferous granite magmatism in the Arabian-Nubian Shield. Gondwana Research, 2020, 84, 71-80.	6.0	44
16	Neoproterozoic magmatic evolution of the southern OuaddaÃ¯ Massif (Chad). Bulletin - Societie Geologique De France, 2020, 191, 34.	2.2	5
17	Uâ€“Pb age and Hf isotope record of detrital zircon grains from the North Delhi Supergroup, NW India: implications for provenance and stratigraphic correlations. International Journal of Earth Sciences, 2019, 108, 2683-2697.	1.8	9
18	Molybdenum-isotope signals and cerium anomalies in Palaeoproterozoic manganese ore survive high-grade metamorphism. Scientific Reports, 2019, 9, 4570.	3.3	21

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19	Archean crustal evolution of the Aravalli Banded Gneissic Complex, NW India: Constraints from zircon U-Pb ages, Lu-Hf isotope systematics, and whole-rock geochemistry of granitoids. Precambrian Research, 2019, 327, 81-102.	2.7	47
20	Granitoids and Greenstone Belts of the Pietersburg Blockâ€"Witnesses of an Archaean Accretionary Orogen Along the Northern Edge of the Kaapvaal Craton. Regional Geology Reviews, 2019, , 83-107.	1.2	15
21	Petrogenesis of LREE-rich pegmatitic granite dykes in the central Grenville Province by partial melting of Paleoproterozoic-Archean metasedimentary rocks: Evidence from zircon U-Pb-Hf-O isotope and trace element analyses. Precambrian Research, 2019, 327, 327-360.	2.7	18
22	Hafnium Isotopic Composition of the Bushveld Complex Requires Mantle Meltâ€"Upper Crust Mixing: New Evidence from Zirconology of Mafic, Felsic and Metasedimentary Rocks. Journal of Petrology, 2019, 60, 2169-2200.	2.8	18
23	Alabandite (MnS) in metamorphosed manganiferous rocks at Morro da Mina, Brazil: palaeoenvironmental significance. European Journal of Mineralogy, 2019, 31, 973-982.	1.3	5
24	The geologic record of the exhumed root of the Central African Orogenic Belt in the central Cameroon domain (MbÃ© â€" Sassa-Mbersi region). Journal of African Earth Sciences, 2019, 151, 286-314.	2.0	25
25	Reply to comment by Ngako and Njonfang on â€œThe Adamawa-Yade domain, a piece of Archaean crust in the Neoproterozoic Central African Orogenic belt (Bafia area, Cameroon)â€, by Jacqueline TchakountÃ© et al., Precambrian Research 299 (2017) 210â€"229. Precambrian Research, 2018, 305, 516-518.	2.7	3
26	Rutile alteration and authigenic growth in metasandstones of the Moeda Formation, Minas Gerais, Brazil â€" A result of Transamazonian fluidâ€"rock interaction. Chemical Geology, 2018, 483, 397-409.	3.3	20
27	Geochronology, stratigraphy and geochemistry of Cambro-Ordovician, Silurian and Devonian volcanic rocks of the Saxothuringian Zone in NE Bavaria (Germany)â€"new constraints for Gondwana break up and oceanâ€"island magmatism. International Journal of Earth Sciences, 2018, 107, 359-377.	1.8	8
28	Reply to comment by M. Bouyo on â€œThe Adamawaâ€"Yade domain, a piece of Archaean crust in the Neoproterozoic Central African Orogenic belt (Bafia area, Cameroon)â€, by Jacqueline TchakountÃ© et al., Precambrian Research 299 (2017) 210â€"229. Precambrian Research, 2018, 305, 514-515.	2.7	3
29	From Cadomian magmatic arc to Rheic ocean closure: The geochronological-geochemical record of nappe protoliths of the MÃ¼nchberg Massif, NE Bavaria (Germany). Gondwana Research, 2018, 55, 135-152.	6.0	36
30	Protracted, coeval crust and mantle melting during Variscan late-orogenic evolution: Uâ€"Pb dating in the eastern French Massif Central. International Journal of Earth Sciences, 2017, 106, 421-451.	1.8	89
31	Geology of the Pitangui greenstone belt, Minas Gerais, Brazil: Stratigraphy, geochronology and BIF geochemistry. Precambrian Research, 2017, 291, 17-41.	2.7	37
32	Palaeoproterozoic continental arc magmatism, and Neoproterozoic metamorphism in the Aravalli-Delhi orogenic belt, NW India: New constraints from in situ zircon U-Pb-Hf isotope systematics, monazite dating and whole-rock geochemistry. Journal of Asian Earth Sciences, 2017, 136, 68-88.	2.3	43
33	Pre-Cadomian to late-Variscan odyssey of the eastern Massif Central, France: Formation of the West European crust in a nutshell. Gondwana Research, 2017, 46, 170-190.	6.0	53
34	Platiniferous goldâ€"tourmaline aggregates in the goldâ€"palladium belt of Minas Gerais, Brazil: implications for regional boron metasomatism. Mineralogy and Petrology, 2017, 111, 807-819.	1.1	15
35	Zircon geochronology and Hf isotopes of the Dwalile Supracrustal Suite, Ancient Gneiss Complex, Swaziland: Insights into the diversity of Palaeoarchaean source rocks, depositional and metamorphic ages. Precambrian Research, 2017, 295, 48-66.	2.7	24
36	In Situ Sr isotopes in Plagioclase and Trace Element Systematics in the Lowest Part of the Eastern Bushveld Complex: Dynamic Processes in an Evolving Magma Chamber. Journal of Petrology, 2017, 58, 327-360.	2.8	34

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37	Two distinct sources of 1.73â€“1.70 Ga A-type granites from the northern Aravalli orogen, NW India: Constraints from in situ zircon U-Pb ages and Lu-Hf isotopes. Gondwana Research, 2017, 49, 164-181.	6.0	43
38	New insights into the crustal growth of the Paleoproterozoic margin of the Archean KÃ©mÃ©na-Man domain, West African craton (Guinea): Implications for gold mineral system. Precambrian Research, 2017, 292, 258-289.	2.7	66
39	Graphiteâ€“(Mo,W)S2 intergrowth as a palaeoenvironmental proxy in metasedimentary rocks. Lithos, 2017, 294-295, 412-417.	1.4	3
40	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.	3.1	62
41	The Adamawa-YadÃ© domain, a piece of Archaean crust in the Neoproterozoic Central African Orogenic belt (Bafia area, Cameroon). Precambrian Research, 2017, 299, 210-229.	2.7	120
42	Source and age of upper Transvaal Supergroup, South Africa: Age-Hf isotope record of zircons in Magaliesberg quartzite and Dullstroom lava, and implications for Paleoproterozoic (2.5â€“2.0 Ga) continent reconstruction. Precambrian Research, 2016, 278, 1-21.	2.7	44
43	Lower crust exhumation during Paleoproterozoic (Eburnean) orogeny, NW Ghana, West African Craton: Interplay of coeval contractional deformation and extensional gravitational collapse. Precambrian Research, 2016, 274, 82-109.	2.7	58
44	Separating regional metamorphic and metasomatic assemblages and events in the northern Khetri complex, NW India: Evidence from mineralogy, whole-rock geochemistry and U-Pb monazite chronology. Journal of Asian Earth Sciences, 2016, 129, 117-141.	2.3	30
45	Post-collisional magmatism: Crustal growth not identified by zircon Hfâ€“O isotopes. Earth and Planetary Science Letters, 2016, 456, 182-195.	4.4	161
46	Paleoproterozoic juvenile crust formation and stabilisation in the south-eastern West African Craton (Ghana); New insights from U-Pb-Hf zircon data and geochemistry. Precambrian Research, 2016, 287, 1-30.	2.7	54
47	Unravelling the record of Archaean crustal evolution of the Bundelkhand Craton, northern India using Uâ€“Pb zirconâ€“monazite ages, Luâ€“Hf isotope systematics, and whole-rock geochemistry of granitoids. Precambrian Research, 2016, 281, 384-413.	2.7	100
48	Mafic magmatism in the Bakhuis Granulite Belt (western Suriname): relationship with charnockite magmatism and UHT metamorphism. Gff, 2016, 138, 203-218.	1.2	11
49	Tectono-metamorphic evolution of the internal zone of the Pan-African Lufilian orogenic belt (Zambia): Implications for crustal reworking and syn-orogenic uranium mineralizations. Lithos, 2016, 240-243, 167-188.	1.4	27
50	Celebrating the Centenary of â€œThe Geology of Central Minas Gerais, Brazilâ€: An Insight from the SÃtio Largo Amphibolite. Journal of Geology, 2015, 123, 337-354.	1.4	18
51	The Bushveld Complex was emplaced and cooled in less than one million years â€“ results of zirconology, and geotectonic implications. Earth and Planetary Science Letters, 2015, 418, 103-114.	4.4	218
52	Detrital zircon without detritus: a result of 496-Ma-old fluidâ€“rock interaction during the gold-lode formation of Passagem, Minas Gerais, Brazil. Lithos, 2015, 212-215, 415-427.	1.4	32
53	A linear Hf isotope-age array despite different granitoid sources and complex Archean geodynamics: Example from the Pietersburg block (South Africa). Earth and Planetary Science Letters, 2015, 430, 326-338.	4.4	106
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.	2.7	83

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55	Characterisation and Uâ€“Pbâ€“Hf isotope record of the 3.55Ga felsic crust from the Bundelkhand Craton, northern India. Precambrian Research, 2014, 255, 236-244.	2.7	87
56	Depositional age and sediment source of the auriferous Moeda Formation, QuadrilÃ¡tero FerrÃfero of Minas Gerais, Brazil: New constraints from Uâ€“Pbâ€“Hf isotopes in zircon and xenotime. Precambrian Research, 2014, 255, 96-108.	2.7	45
57	Timing of deposition and deformation of the Moodies Group (Barberton Greenstone Belt, South) Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	87
58	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.	6.0	100
59	Juvenile crust formation in the northeastern Kaapvaal Craton at 2.97Gaâ€”Implications for Archean terrane accretion, and the source of the Pietersburg gold. Precambrian Research, 2013, 233, 20-43.	2.7	71
60	The Murchison Greenstone Belt, South Africa: Accreted slivers with contrasting metamorphic conditions. Precambrian Research, 2013, 227, 77-98.	2.7	34
61	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.	2.1	70
62	Dating the Itabira iron formation, QuadrilÃ¡tero FerrÃfero of Minas Gerais, Brazil, at 2.65Ga: Depositional Uâ€“Pb age of zircon from a metavolcanic layer. Precambrian Research, 2012, 204-205, 40-45.	2.7	67
63	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.	2.7	104
64	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.	2.1	139
65	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.	2.7	107
66	A review of Sm-Nd and Lu-Hf isotope studies in the Limpopo Complex and adjoining cratonic areas, and their bearing on models of crustal evolution and tectonism. , 2011, , .		7
67	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.	6.0	101
68	The behavior of the Hf isotope system in radiation-damaged zircon during experimental hydrothermal alteration. American Mineralogist, 2010, 95, 1343-1348.	1.9	80
69	Decompressional Heating of the Mahalapye Complex (Limpopo Belt, Botswana): a Response to Palaeoproterozoic Magmatic Underplating?. Journal of Petrology, 2010, 51, 703-729.	2.8	46
70	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.	3.9	76
71	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.	2.7	153
72	New constraints on the auriferous Witwatersrand sediment provenance from combined detrital zircon Uâ€“Pb and Luâ€“Hf isotope data for the Eldorado Reef (Central Rand Group, South Africa). Precambrian Research, 2010, 183, 817-824.	2.7	41

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73	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.	3.3	639
74	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.	2.8	290
75	Comments on â€œPâ€"T record of two high-grade metamorphic events in the Central Zone of the Limpopo Complex, South Africaâ€•by L. L. Perchuk, D. D. van Reenen, D. A. Varlamov, S. M. van Kal, Tabatabaeimanesh, R. Boshoff. Lithos, 2008, 106, 399-402.	1.4	13
76	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.	3.9	95
77	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.	4.4	711
78	Provenance and Magmaticâ€"Metamorphic Evolution of a Variscan Island-Arc Complex: Constraints from Uâ€"Pb Dating, Petrology, and Geospeedometry of the KyffhÃuser Crystalline Complex, Central Germany. Journal of Petrology, 2005, 46, 1393-1420.	2.8	15
79	Petrological evolution in the roof of the high-grade metamorphic Central Zone of the Limpopo Belt, South Africa. Geological Magazine, 2005, 142, 229-240.	1.5	34
80	Timing of Upper Carboniferous-Permian horst-basin formation and magmatism in the NW Thuringian Forest, central Germany: a review. Geological Society Special Publication, 2004, 223, 319-334.	1.3	13
81	Different age response of zircon and monazite during the tectono-metamorphic evolution of a high grade paragneiss from the Ruhla Crystalline Complex, central Germany. Contributions To Mineralogy and Petrology, 2003, 145, 691-706.	3.1	39
82	Herkunft und Verwitterung von GranitgerÃ¶llen in Rotliegendsedimenten des nordwestlichen ThÃ¼ringer Waldes: Petrographische, geochemische und Zirkon-Untersuchungen. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2000, 218, 173-199.	0.4	3
83	Geochronological and morphological investigations of zircons from granite porphyry dikes, rhyolites and granite pebbles from the northwestern Thuringian forest. Zeitschrift Der Deutschen Geologischen Gesellschaft, 2000, 151, 187-206.	0.1	4
84	Geology of the KyffhÃuser crystalline complex. Neues Jahrbuch FÃ¼r Geologie Und PalÃontologie, 1994, 1994, 368-384.	0.3	4
85	Variscan tectonics. , 0, , 599-664.		28