Andreas GÃ¤rtner

List of Publications by Year
in descending order

69	1,663	279798	302126
papers	citations	23 h-index	39 g-index

75	75	75	1616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sands of West Gondwana: An archive of secular magmatism and plate interactions â€" A case study from the Cambro-Ordovician section of the Tassili Ouan Ahaggar (Algerian Sahara) using Uâ€"Pbâ€"LA-ICP-MS detrital zircon ages. Lithos, 2011, 123, 188-203.	1.4	171
2	New highâ€resolution age data from the Ediacaranâ€"Cambrian boundary indicate rapid, ecologically driven onset of the Cambrian explosion. Terra Nova, 2019, 31, 49-58.	2.1	131
3	The Cambrian to Devonian odyssey of the Brabant Massif within Avalonia: A review with new zircon ages, geochemistry, Smâ€"Nd isotopes, stratigraphy and palaeogeography. Earth-Science Reviews, 2012, 112, 126-154.	9.1	98
4	The India and South China cratons at the margin of Rodinia â€" Synchronous Neoproterozoic magmatism revealed by LA-ICP-MS zircon analyses. Lithos, 2011, 123, 176-187.	1.4	86
5	New U-Pb dates show a Paleogene origin for the modern Asian biodiversity hot spots. Geology, 2018, 46, 3-6.	4.4	74
6	A ~565ÂMa old glaciation in the Ediacaran of peri-Gondwanan West Africa. International Journal of Earth Sciences, 2018, 107, 885-911.	1.8	55
7	An exotic terrane of Laurussian affinity in the Mauritanides and Souttoufides (Moroccan Sahara). Gondwana Research, 2013, 24, 687-699.	6.0	47
8	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.	2.7	45
9	Uâ€"Pb LA-ICP-MS detrital zircon ages from the Cambrian of Al Qarqaf Arch, central-western Libya: Provenance of the West Gondwanan sand sea at the dawn of the early Palaeozoic. Journal of African Earth Sciences, 2013, 79, 74-97.	2.0	44
10	History of the West African Neoproterozoic Ocean: Key to the geotectonic history of circum-Atlantic Peri-Gondwana (Adrar Souttouf Massif, Moroccan Sahara). Gondwana Research, 2016, 29, 220-233.	6.0	43
11	Uâ€"Pb zircon ages from volcanic and sedimentary rocks of the Ediacaran Bas DraÃ¢ inlier (Anti-Atlas) Tj ETQq1 1 0.784314 rgBT /Overl	2.7	40
12	The Namuskluft and Dreigratberg sections in southern Namibia (Kalahari Craton, Gariep Belt): a geological history of Neoproterozoic rifting and recycling of cratonic crust during the dispersal of Rodinia until the amalgamation of Gondwana. International Journal of Earth Sciences, 2014, 103, 1187-1202.	1.8	38
13	Detrital zircons from the Ordovician rocks of the Pyrenees: Geochronological constraints and provenance. Tectonophysics, 2016, 681, 124-134.	2.2	38
14	Continuous Neoproterozoic to Ordovician sedimentation at the East Gondwana margin â€" Implications from detrital zircons of the Ross Orogen in northern Victoria Land, Antarctica. Gondwana Research, 2016, 37, 426-448.	6.0	38
15	S-type granite generation and emplacement during a regional switch from extensional to contractional deformation (Central Iberian Zone, Iberian autochthonous domain, Variscan Orogeny). International Journal of Earth Sciences, 2018, 107, 251-267.	1.8	38
16	The zircon evidence of temporally changing sediment transportâ€"the NW Gondwana margin during Cambrian to Devonian time (Aoucert and Smara areas, Moroccan Sahara). International Journal of Earth Sciences, 2017, 106, 2747-2769.	1.8	37
17	Depositional age, provenance, and tectonic and paleoclimatic settings of the late Mesoproterozoicâ€"middle Neoproterozoic Mbuji-Mayi Supergroup, Democratic Republic of Congo. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 389, 4-34.	2.3	33
18	Proterozoic to Cretaceous evolution of the western and central Pearya Terrane (Canadian High) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.6	32

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19	The Late Neoproterozoic magmatism in the Ediacaran series of the Eastern Pyrenees: new ages and isotope geochemistry. International Journal of Earth Sciences, 2015, 104, 909-925.	1.8	31
20	Zircon size-age sorting and source-area effect: The German Triassic Buntsandstein Group. Sedimentary Geology, 2018, 375, 218-231.	2.1	30
21	The South Um Mongul Cu-Mo-Au prospect in the Eastern Desert of Egypt: From a mid-Cryogenian continental arc to Ediacaran post-collisional appinite-high Ba-Sr monzogranite. Ore Geology Reviews, 2017, 80, 250-266.	2.7	29
22	Exhuming a cold case: The early granodiorites of the northwest Iberian Variscan beltâ€"A Visean magmatic flare-up?. Lithosphere, 2018, 10, 194-216.	1.4	28
23	The southern and central parts of the â€œSouttoufideâ€•belt, Northwest Africa. Journal of African Earth Sciences, 2015, 112, 451-470.	2.0	27
24	A multimethod dating study of ancient permafrost, Batagay megaslump, east Siberia. Quaternary Research, 2022, 105, 1-22.	1.7	24
25	Revised stratigraphic framework for the lower Anti-Atlas Supergroup based on Uâ€"Pb geochronology of magmatic and detrital zircons (Zenaga and Bou Azzer-El Graara inliers, Anti-Atlas Belt, Morocco). Journal of African Earth Sciences, 2020, 171, 103946.	2.0	23
26	Late Pleistocene river migrations in response to thrust belt advance and sediment-flux steering â€" The Kura River (southern Caucasus). Geomorphology, 2016, 266, 53-65.	2.6	22
27	The Stavelot-Venn Massif (Ardenne, Belgium), a rift shoulder basin ripped off the West African craton: Cartography, stratigraphy, sedimentology, new U-Pb on zircon ages, geochemistry and Nd isotopes evidence. Earth-Science Reviews, 2020, 203, 103142.	9.1	21
28	Similar crustal evolution in the western units of the Adrar Souttouf Massif (Moroccan Sahara) and the Avalonian terranes: Insights from Hf isotope data. Tectonophysics, 2016, 681, 305-317.	2.2	19
29	Provenance of detrital zircon from siliciclastic rocks of the Sebkha Gezmayet unit of the Adrar Souttouf Massif (Moroccan Sahara) â€"ÂPalaeogeographic implications. Comptes Rendus - Geoscience, 2018, 350, 255-266.	1.2	19
30	The Permo-Carboniferous Dwyka Group of the Aranos Basin (Namibia) â€" How detrital zircons help understanding sedimentary recycling during a major glaciation. Journal of African Earth Sciences, 2019, 158, 103555.	2.0	19
31	From Pan-African Transpression to Cadomian Transtension at the West African Margin: New Uâ€"Pb zircon Ages from the Eastern Saghro Inlier (Anti-Atlas, Morocco). Geological Society Special Publication, 2021, 503, 209-233.	1.3	19
32	Exotic crustal components at the northern margin of the Bohemian Massifâ€"Implications from U Th Pb and Hf isotopes of zircon from the Saxonian Granulite Massif. Tectonophysics, 2016, 681, 234-249.	2.2	18
33	The provenance of northern Kalahari Basin sediments and growth history of the southern Congo Craton reconstructed by Uâ€"Pb ages of zircons from recent river sands. International Journal of Earth Sciences, 2014, 103, 579-595.	1.8	17
34	A new Uâ€"Pb LA-ICP-MS age of the Rumburk granite (Lausitz Block, Saxo-Thuringian Zone): constraints for a magmatic event in the Upper Cambrian. International Journal of Earth Sciences, 2018, 107, 933-953.	1.8	17
35	Evidence for multi-cycle sedimentation and provenance constraints from detrital zircon Uâ€"Pb ages: Triassic strata of the Lusitanian basin (western Iberia). Tectonophysics, 2016, 681, 318-331.	2.2	16
36	Attempts to understand potential deficiencies in chemical procedures for AMS: Cleaning and dissolving quartz for 10Be and 26Al analysis. Nuclear Instruments & Methods in Physics Research B, 2019, 455, 293-299.	1.4	14

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37	Polyphase magmatic pulses along the Northern Gondwana margin: U-Pb zircon geochronology from gneiss domes of the Pyrenees. Gondwana Research, 2020, 81, 291-311.	6.0	14
38	An Upper Ediacaran Glacial Period in Cadomia: the Granville tillite (Armorican Massif) â€“ sedimentology, geochronology and provenance. Geological Magazine, 2022, 159, 999-1013.	1.5	14
39	The provenance of the Devonian Old Red Sandstone of the Dingle Peninsula, SW Ireland; the earliest record of Laurentian and peri-Gondwanan sediment mixing in Ireland. Journal of the Geological Society, 2018, 175, 411-424.	2.1	13
40	Eemian and post-Eemian fluvial dynamics in the Lesser Caucasus. Quaternary Science Reviews, 2018, 191, 189-203.	3.0	13
41	Neogene hyperaridity in Arabia drove the directions of mammalian dispersal between Africa and Eurasia. Communications Earth & Environment, 2021, 2, .	6.8	13
42	U-Pb ages and provenance of detrital zircon from metasedimentary rocks of the Nya-Ngezie and Bugarama groups (D.R. Congo): A key for the evolution of the Mesoproterozoic Kibaran-Burundian Orogen in Central Africa. Precambrian Research, 2019, 328, 81-98.	2.7	11
43	Mesozoic deposits of SW Gondwana (Namibia): unravelling Gondwanan sedimentary dispersion drivers by detrital zircon. International Journal of Earth Sciences, 2020, 109, 1683-1704.	1.8	10
44	Chronostratigraphic framework and provenance of the Ossa-Morena Zone Carboniferous basins (southwest Iberia). Solid Earth, 2020, 11, 1291-1312.	2.8	10
45	Uâ€“Pb ages of magmatic and detrital zircon of the DÃ¶hlen Basin: geological history of a Permian strike-slip basin in the Elbe Zone (Germany). International Journal of Earth Sciences, 2019, 108, 887-910.	1.8	9
46	Uâ€“Pb detrital zircon ages of sediments from the Firgoun and Niamey areas (eastern border of West) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	8
47	Reworked Middle Jurassic sandstones as a marker for Upper Cretaceous basin inversion in Central Europeâ€”a case study for the Uâ€“Pb detrital zircon record of the Upper Cretaceous Schmilka section and their implication for the sedimentary cover of the Lausitz Block (Saxony, Germany). International Journal of Earth Sciences, 2018, 107, 913-932.	1.8	7
48	First Uâ€“Pb geochronology on detrital zircons from Early-Middle Cambrian strata of the Torgau-Doberlug Syncline (eastern Germany) and palaeogeographic implications. International Journal of Earth Sciences, 2017, 106, 2445-2459.	1.8	6
49	Nature Does the Averagingâ€”In-Situ Produced 10Be, 21Ne, and 26Al in a Very Young River Terrace. Geosciences (Switzerland), 2020, 10, 237.	2.2	5
50	A tectonic carpet of Variscan flysch at the base of a rootless accretionary prism in northwestern Iberia: Uâ€“Pb zircon age constrains from sediments and volcanic olistoliths. Solid Earth, 2021, 12, 835-867.	2.8	5
51	Geochemistry and Geochronology of the Neoproterozoic Backarc Basin Khzama Ophiolite (Anti-Atlas) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	4
52	Reply to discussion on â€˜From Pan-African transpression to Cadomian transtension at the West African margin: new Uâ€“Pb zircon ages from the Eastern Saghro Inlier (Anti-Atlas, Morocco)â€™ by Errami et al. (SP503, 209â€“233). Journal of the Geological Society, 2021, 178, jgs2021-034.	2.1	4
53	Capability of Uâ€“Pb dating of zircons from Quaternary tephra: Jemez Mountains, NM, and La Sal Mountains, UT, USA. E&G Quaternary Science Journal, 2018, 67, 7-16.	0.7	4
54	Age constraints for the Trachilos footprints from Crete. Scientific Reports, 2021, 11, 19427.	3.3	4

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55	Implications for sedimentary transport processes in southwestern Africa: a combined zircon morphology and age study including extensive geochronology databases. International Journal of Earth Sciences, 2022, 111, 767-788.	1.8	4
56	A Review of the G4 â€œTin Granitesâ€•and Associated Mineral Occurrences in the Kivu Belt (Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Events. Minerals (Basel, Switzerland), 2022, 12, 737.	2.0	4
57	Cover beds older than the mid-pleistocene revolution and the provenance of their eolian components, La Sal Mountains, Utah, USA. Quaternary Science Reviews, 2018, 185, 1-8.	3.0	3
58	Zircon geochronology and provenance of the late Proterozoic and early Palaeozoic of southwestern Jordan. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2020, 171, 105-120.	0.4	3
59	Tracing southern Gondwanan sedimentary paths: A case study of northern Namibian late Palaeozoic sedimentary rocks. Sedimentology, 2022, 69, 1738-1768.	3.1	3
60	Age and provenance of detrital zircons from the Oligocene formations of the Marseilleâ€“Aubagne basins (SE France): consequences on the geodynamic and palaeogeographic evolution of the northern Gondwana margin. International Journal of Earth Sciences, 2019, 108, 187-212.	1.8	2
61	Quaternary landscape evolution in a tectonically active rift basin (paleo-lake Mweru, south-central) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	2
62	Provenance and detrital zircon study of the Tatric Unit basement (Western Carpathians, Slovakia). International Journal of Earth Sciences, 2022, 111, 2149-2168.	1.8	2
63	Uâ€“Pb zircon provenance of Triassic sandstones, western Swiss Alps: implications for geotectonic history. Swiss Journal of Geosciences, 2019, 112, 419-434.	1.2	1
64	Geochemistry and detrital zircon geochronology of metasedimentary rocks in the Sierra Madre Terrane, Mexico: Implications of deposition along the western margin of Pangea. Geological Journal, 2021, 56, 3342-3377.	1.3	1
65	Climate shifts vs. edaphic humidity and the difficulty of palaeoreconstructions â€“ a malacological study on stable isotopes in Quaternary dune sequences of Fuerteventura. Journal of Quaternary Science, 2021, 36, 426-440.	2.1	1
66	Novel Cosmogenic Datings in Landslide Deposits, San Juan, Argentina. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 361-370.	0.3	1
67	Petrogenesis of the late Tonian arc-related Um Balad gabbro-diorite complex (Egypt) and insight into its spatially related orogenic gold mineralization. International Geology Review, 2023, 65, 89-113.	2.1	1
68	The provenance of Middle Jurassic to Cretaceous sediments in the Irish and Celtic Sea Basins: tectonic and environmental controls on sediment sourcing. Journal of the Geological Society, 2021, 178, .	2.1	0
69	The geochronological history of the Hohnsdorf Crystalline Complex (Germany) â€“ Piecing together the puzzling evolution of the Mid-German Crystalline Rise. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2020, 171, 121-133.	0.4	0