

Andreas Gärtnertner

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,663
citations

279798

23
h-index

302126

39
g-index

75
all docs

75
docs citations

75
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Petrogenesis of the late Tonian arc-related Um Balad gabbro-diorite complex (Egypt) and insight into its spatially related orogenic gold mineralization. <i>International Geology Review</i> , 2023, 65, 89-113.	2.1	1
2	A multimethod dating study of ancient permafrost, Batagay megaslump, east Siberia. <i>Quaternary Research</i> , 2022, 105, 1-22.	1.7	24
3	Implications for sedimentary transport processes in southwestern Africa: a combined zircon morphology and age study including extensive geochronology databases. <i>International Journal of Earth Sciences</i> , 2022, 111, 767-788.	1.8	4
4	Tracing southern Gondwanan sedimentary paths: A case study of northern Namibian late Palaeozoic sedimentary rocks. <i>Sedimentology</i> , 2022, 69, 1738-1768.	3.1	3
5	An Upper Ediacaran Glacial Period in Cadomia: the Granville tillite (Armorican Massif) – sedimentology, geochronology and provenance. <i>Geological Magazine</i> , 2022, 159, 999-1013.	1.5	14
6	A Review of the G4 –Tin Granites– and Associated Mineral Occurrences in the Kivu Belt (Eastern Tj ETQq0 0 0 rgBT /Overlock 10 Tf Events. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 737.	2.0	4
7	Provenance and detrital zircon study of the Tatric Unit basement (Western Carpathians, Slovakia). <i>International Journal of Earth Sciences</i> , 2022, 111, 2149-2168.	1.8	2
8	From Pan-African Transpression to Cadomian Transtension at the West African Margin: New U –Pb zircon Ages from the Eastern Saghro Inlier (Anti-Atlas, Morocco). <i>Geological Society Special Publication</i> , 2021, 503, 209-233.	1.3	19
9	Geochemistry and Geochronology of the Neoproterozoic Backarc Basin Khzama Ophiolite (Anti-Atlas) Tj ETQq1 1 0.784314 rgBT /Overlock 4	2.0	4
10	Geochemistry and detrital zircon geochronology of metasedimentary rocks in the Sierra Madre Terrane, Mexico: Implications of deposition along the western margin of Pangea. <i>Geological Journal</i> , 2021, 56, 3342-3377.	1.3	1
11	Climate shifts vs. edaphic humidity and the difficulty of palaeoreconstructions – a malacological study on stable isotopes in Quaternary dune sequences of Fuerteventura. <i>Journal of Quaternary Science</i> , 2021, 36, 426-440.	2.1	1
12	Reply to discussion on –From Pan-African transpression to Cadomian transtension at the West African margin: new U –Pb zircon ages from the Eastern Saghro Inlier (Anti-Atlas, Morocco)–™ by Errami et al. (SP503, 209 –233). <i>Journal of the Geological Society</i> , 2021, 178, jgs2021-034.	2.1	4
13	The provenance of Middle Jurassic to Cretaceous sediments in the Irish and Celtic Sea Basins: tectonic and environmental controls on sediment sourcing. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	0
14	A tectonic carpet of Variscan flysch at the base of a rootless accretionary prism in northwestern Iberia: U –Pb zircon age constrains from sediments and volcanic olistoliths. <i>Solid Earth</i> , 2021, 12, 835-867.	2.8	5
15	Quaternary landscape evolution in a tectonically active rift basin (paleo-lake Mweru, south-central) Tj ETQq1 1 0.784314 rgBT /Overlock 2	2.0	2
16	Neogene hyperaridity in Arabia drove the directions of mammalian dispersal between Africa and Eurasia. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	13
17	Novel Cosmogenic Datings in Landslide Deposits, San Juan, Argentina. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021, , 361-370.	0.3	1
18	Age constraints for the Trachilos footprints from Crete. <i>Scientific Reports</i> , 2021, 11, 19427.	3.3	4

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19	Polyphase magmatic pulses along the Northern Gondwana margin: U-Pb zircon geochronology from gneiss domes of the Pyrenees. <i>Gondwana Research</i> , 2020, 81, 291-311.	6.0	14
20	Revised stratigraphic framework for the lower Anti-Atlas Supergroup based on U-Pb geochronology of magmatic and detrital zircons (Zenaga and Bou Azzer-El Graara inliers, Anti-Atlas Belt, Morocco). <i>Journal of African Earth Sciences</i> , 2020, 171, 103946.	2.0	23
21	Nature Does the Averaging? In-Situ Produced ^{10}Be , ^{21}Ne , and ^{26}Al in a Very Young River Terrace. <i>Geosciences (Switzerland)</i> , 2020, 10, 237.	2.2	5
22	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. <i>Earth-Science Reviews</i> , 2020, 203, 103142.	9.1	21
23	Mesozoic deposits of SW Gondwana (Namibia): unravelling Gondwanan sedimentary dispersion drivers by detrital zircon. <i>International Journal of Earth Sciences</i> , 2020, 109, 1683-1704.	1.8	10
24	Chronostratigraphic framework and provenance of the Ossa-Morena Zone Carboniferous basins (southwest Iberia). <i>Solid Earth</i> , 2020, 11, 1291-1312.	2.8	10
25	The geochronological history of the Hohnsdorf Crystalline Complex (Germany) – Piecing together the puzzling evolution of the Mid-German Crystalline Rise. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2020, 171, 121-133.	0.4	0
26	Zircon geochronology and provenance of the late Proterozoic and early Palaeozoic of southwestern Jordan. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2020, 171, 105-120.	0.4	3
27	U-Pb zircon provenance of Triassic sandstones, western Swiss Alps: implications for geotectonic history. <i>Swiss Journal of Geosciences</i> , 2019, 112, 419-434.	1.2	1
28	The Permo-Carboniferous Dwyka Group of the Aranos Basin (Namibia) – How detrital zircons help understanding sedimentary recycling during a major glaciation. <i>Journal of African Earth Sciences</i> , 2019, 158, 103555.	2.0	19
29	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. <i>Precambrian Research</i> , 2019, 328, 81-98.	2.7	11
30	U-Pb ages of magmatic and detrital zircon of the Döhlen Basin: geological history of a Permian strike-slip basin in the Elbe Zone (Germany). <i>International Journal of Earth Sciences</i> , 2019, 108, 887-910.	1.8	9
31	Attempts to understand potential deficiencies in chemical procedures for AMS: Cleaning and dissolving quartz for ^{10}Be and ^{26}Al analysis. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 455, 293-299.	1.4	14
32	New high-resolution age data from the Ediacaran-Cambrian boundary indicate rapid, ecologically driven onset of the Cambrian explosion. <i>Terra Nova</i> , 2019, 31, 49-58.	2.1	131
33	Age and provenance of detrital zircons from the Oligocene formations of the Marseille-Aubagne basins (SE France): consequences on the geodynamic and palaeogeographic evolution of the northern Gondwana margin. <i>International Journal of Earth Sciences</i> , 2019, 108, 187-212.	1.8	2
34	Cover beds older than the mid-pleistocene revolution and the provenance of their eolian components, La Sal Mountains, Utah, USA. <i>Quaternary Science Reviews</i> , 2018, 185, 1-8.	3.0	3
35	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. <i>Journal of the Geological Society</i> , 2018, 175, 411-424.	2.1	13
36	S-type granite generation and emplacement during a regional switch from extensional to contractional deformation (Central Iberian Zone, Iberian autochthonous domain, Variscan Orogeny). <i>International Journal of Earth Sciences</i> , 2018, 107, 251-267.	1.8	38

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37	A new U–Pb LA-ICP-MS age of the Rumburk granite (Lausitz Block, Saxo-Thuringian Zone): constraints for a magmatic event in the Upper Cambrian. <i>International Journal of Earth Sciences</i> , 2018, 107, 933-953.	1.8	17
38	A ~565 Ma old glaciation in the Ediacaran of peri-Gondwanan West Africa. <i>International Journal of Earth Sciences</i> , 2018, 107, 885-911.	1.8	55
39	Zircon size-age sorting and source-area effect: The German Triassic Buntsandstein Group. <i>Sedimentary Geology</i> , 2018, 375, 218-231.	2.1	30
40	Reworked Middle Jurassic sandstones as a marker for Upper Cretaceous basin inversion in Central Europe—a case study for the U–Pb detrital zircon record of the Upper Cretaceous Schmilka section and their implication for the sedimentary cover of the Lausitz Block (Saxony, Germany). <i>International Journal of Earth Sciences</i> , 2018, 107, 913-932.	1.8	7
41	New U-Pb dates show a Paleogene origin for the modern Asian biodiversity hot spots. <i>Geology</i> , 2018, 46, 3-6.	4.4	74
42	Exhuming a cold case: The early granodiorites of the northwest Iberian Variscan belt—A Visean magmatic flare-up?. <i>Lithosphere</i> , 2018, 10, 194-216.	1.4	28
43	Eemian and post-Eemian fluvial dynamics in the Lesser Caucasus. <i>Quaternary Science Reviews</i> , 2018, 191, 189-203.	3.0	13
44	U–Pb detrital zircon ages of sediments from the Firgoun and Niamey areas (eastern border of West Tj ETQq0 0 0 rgBT /Ovrlock 10 Tf 50 38	1.2	8
45	Provenance of detrital zircon from siliciclastic rocks of the Sebkhha Gezmayet unit of the Adrar Souttoug Massif (Moroccan Sahara) —Palaeogeographic implications. <i>Comptes Rendus - Geoscience</i> , 2018, 350, 255-266.	1.2	19
46	Proterozoic to Cretaceous evolution of the western and central Pearya Terrane (Canadian High) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.6	32
47	Capability of U–Pb dating of zircons from Quaternary tephra: Jemez Mountains, NM, and La Sal Mountains, UT, USA. <i>E&G Quaternary Science Journal</i> , 2018, 67, 7-16.	0.7	4
48	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. <i>Ore Geology Reviews</i> , 2017, 80, 250-266.	2.7	29
49	The zircon evidence of temporally changing sediment transport—the NW Gondwana margin during Cambrian to Devonian time (Aoucert and Smara areas, Moroccan Sahara). <i>International Journal of Earth Sciences</i> , 2017, 106, 2747-2769.	1.8	37
50	First U–Pb geochronology on detrital zircons from Early-Middle Cambrian strata of the Torgau-Doberlug Syncline (eastern Germany) and palaeogeographic implications. <i>International Journal of Earth Sciences</i> , 2017, 106, 2445-2459.	1.8	6
51	Detrital zircons from the Ordovician rocks of the Pyrenees: Geochronological constraints and provenance. <i>Tectonophysics</i> , 2016, 681, 124-134.	2.2	38
52	Late Pleistocene river migrations in response to thrust belt advance and sediment-flux steering — The Kura River (southern Caucasus). <i>Geomorphology</i> , 2016, 266, 53-65.	2.6	22
53	Exotic crustal components at the northern margin of the Bohemian Massif—Implications from U Th Pb and Hf isotopes of zircon from the Saxonian Granulite Massif. <i>Tectonophysics</i> , 2016, 681, 234-249.	2.2	18
54	History of the West African Neoproterozoic Ocean: Key to the geotectonic history of circum-Atlantic Peri-Gondwana (Adrar Souttoug Massif, Moroccan Sahara). <i>Gondwana Research</i> , 2016, 29, 220-233.	6.0	43

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55	Similar crustal evolution in the western units of the Adrar Souttoug Massif (Moroccan Sahara) and the Avalonian terranes: Insights from Hf isotope data. <i>Tectonophysics</i> , 2016, 681, 305-317.	2.2	19
56	Continuous Neoproterozoic to Ordovician sedimentation at the East Gondwana margin – Implications from detrital zircons of the Ross Orogen in northern Victoria Land, Antarctica. <i>Gondwana Research</i> , 2016, 37, 426-448.	6.0	38
57	Evidence for multi-cycle sedimentation and provenance constraints from detrital zircon U–Pb ages: Triassic strata of the Lusitanian basin (western Iberia). <i>Tectonophysics</i> , 2016, 681, 318-331.	2.2	16
58	The Late Neoproterozoic magmatism in the Ediacaran series of the Eastern Pyrenees: new ages and isotope geochemistry. <i>International Journal of Earth Sciences</i> , 2015, 104, 909-925.	1.8	31
59	U–Pb zircon ages from volcanic and sedimentary rocks of the Ediacaran Bas Draÿ inlier (Anti-Atlas) Tj ETQq1 1 0,784314 rgBT /Over	2.7	40
60	The southern and central parts of the Souttougide belt, Northwest Africa. <i>Journal of African Earth Sciences</i> , 2015, 112, 451-470.	2.0	27
61	The four Neoproterozoic glaciations of southern Namibia and their detrital zircon record: The fingerprints of four crustal growth events during two supercontinent cycles. <i>Precambrian Research</i> , 2015, 259, 176-188.	2.7	45
62	The provenance of northern Kalahari Basin sediments and growth history of the southern Congo Craton reconstructed by U–Pb ages of zircons from recent river sands. <i>International Journal of Earth Sciences</i> , 2014, 103, 579-595.	1.8	17
63	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. <i>International Journal of Earth Sciences</i> , 2014, 103, 1187-1202.	1.8	38
64	An exotic terrane of Laurussian affinity in the Mauritanides and Souttougides (Moroccan Sahara). <i>Gondwana Research</i> , 2013, 24, 687-699.	6.0	47
65	Depositional age, provenance, and tectonic and paleoclimatic settings of the late Mesoproterozoic–middle Neoproterozoic Mbujji-Mayi Supergroup, Democratic Republic of Congo. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 389, 4-34.	2.3	33
66	U–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. <i>Journal of African Earth Sciences</i> , 2013, 79, 74-97.	2.0	44
67	The Cambrian to Devonian odyssey of the Brabant Massif within Avalonia: A review with new zircon ages, geochemistry, Sm–Nd isotopes, stratigraphy and palaeogeography. <i>Earth-Science Reviews</i> , 2012, 112, 126-154.	9.1	98
68	Sands of West Gondwana: An archive of secular magmatism and plate interactions – A case study from the Cambro-Ordovician section of the Tassili Ouan Ahaggar (Algerian Sahara) using U–Pb LA-ICP-MS detrital zircon ages. <i>Lithos</i> , 2011, 123, 188-203.	1.4	171
69	The India and South China cratons at the margin of Rodinia – Synchronous Neoproterozoic magmatism revealed by LA-ICP-MS zircon analyses. <i>Lithos</i> , 2011, 123, 176-187.	1.4	86