Guido Meinhold

List of Publications by Year in descending order

86 papers	2,387 citations	236925 25 h-index	223800 46 g-index
88 all docs	88 docs citations	88 times ranked	1910 citing authors

#	Article	IF	Citations
1	Rutile and its applications in earth sciences. Earth-Science Reviews, 2010, 102, 1-28.	9.1	390
2	New insights into peri-Gondwana paleogeography and the Gondwana super-fan system from detrital zircon Uâ€“Pb ages. Gondwana Research, 2013, 23, 661-665.	6.0	187
3	Rutile chemistry and thermometry as provenance indicator: An example from Chios Island, Greece. Sedimentary Geology, 2008, 203, 98-111.	2.1	158
4	Evidence from detrital zircons for recycling of Mesoproterozoic and Neoproterozoic crust recorded in Paleozoic and Mesozoic sandstones of southern Libya. Earth and Planetary Science Letters, 2011, 312, 164-175.	4.4	118
5	Uâ€“Pb LA-SF-ICP-MS zircon geochronology of the Serbo-Macedonian Massif, Greece: palaeotectonic constraints for Gondwana-derived terranes in the Eastern Mediterranean. International Journal of Earth Sciences, 2010, 99, 813-832.	1.8	92
6	Early Paleozoic tectonic reconstruction of Iran: Tales from detrital zircon geochronology. Lithos, 2017, 268-271, 87-101.	1.4	69
7	Evaluation of garnet discrimination diagrams using geochemical data of garnets derived from various host rocks. Sedimentary Geology, 2014, 306, 36-52.	2.1	66
8	Geochemical constraints on the provenance and depositional setting of sedimentary rocks from the islands of Chios, Inousses and Psara, Aegean Sea, Greece: implications for the evolution of Palaeotethys. Journal of the Geological Society, 2007, 164, 1145-1163.	2.1	64
9	Provenance of sediments during subduction of Palaeotethys: Detrital zircon ages and olistolith analysis in Palaeozoic sediments from Chios Island, Greece. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 263, 71-91.	2.3	53
10	Petrogenesis and tectonic implications of Late Carboniferous A-type granites and gabbronorites in NW Iran: Geochronological and geochemical constraints. Lithos, 2015, 212-215, 266-279.	1.4	53
11	Geochemistry, provenance and stratigraphic age of metasedimentary rocks from the eastern Vardar suture zone, northern Greece. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 277, 199-225.	2.3	47
12	A heavy mineral study of sandstones from the eastern Murzuq Basin, Libya: Constraints on provenance and stratigraphic correlation. Journal of African Earth Sciences, 2011, 61, 308-330.	2.0	45
13	Î´13C chemostratigraphy in the upper Tremadocian through lower Katian (Ordovician) carbonate succession of the Siljan district, central Sweden; pp. 277â€“286. Estonian Journal of Earth Sciences, 2014, 63, 277.	1.1	39
14	The Circum-Rhodope Belt, northern Greece: Age, provenance, and tectonic setting. Tectonophysics, 2013, 595-596, 55-68.	2.2	38
15	Hydrocarbon source rock potential and elemental composition of lower Silurian subsurface shales of the eastern Murzuq Basin, southern Libya. Marine and Petroleum Geology, 2013, 48, 224-246.	3.3	38
16	New insights into the provenance of Saudi Arabian Palaeozoic sandstones from heavy mineral analysis and single-grain geochemistry. Sedimentary Geology, 2016, 333, 100-114.	2.1	36
17	A multivariate discrimination scheme of detrital garnet chemistry for use in sedimentary provenance analysis. Sedimentary Geology, 2018, 375, 14-26.	2.1	33
18	Mineral chemical and geochronological constraints on the age and provenance of the eastern Circum-Rhodope Belt low-grade metasedimentary rocks, NE Greece. Sedimentary Geology, 2010, 229, 207-223.	2.1	30

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19	A new interpretation of the sedimentary cover in the western Siljan Ring area, central Sweden, based on seismic data. Tectonophysics, 2012, 580, 88-99.	2.2	30
20	Heavy minerals and garnet geochemistry of stream sediments and bedrocks from the Almklovdalen area, Western Gneiss Region, SW Norway: Implications for provenance analysis. Sedimentary Geology, 2016, 336, 96-105.	2.1	30
21	Grain-size dependence of garnet composition revealed by provenance signatures of modern stream sediments from the western Hohe Tauern (Austria). Sedimentary Geology, 2015, 321, 25-38.	2.1	29
22	Detrital zircon provenance of north Gondwana Palaeozoic sandstones from Saudi Arabia. Geological Magazine, 2021, 158, 442-458.	1.5	29
23	New Ordovicianâ€“Silurian drill cores from the Siljan impact structure in central Sweden: an integral part of the Swedish Deep Drilling Program. Gff, 2012, 134, 87-98.	1.2	27
24	Latest Ordovicianâ€“earliest Silurian acritarchs and chitinozoans from subsurface samples in Jebel Asba, Kufra Basin, SE Libya. Review of Palaeobotany and Palynology, 2013, 197, 90-118.	1.5	25
25	The Rhodope Zone as a primary sediment source of the southern Thrace basin (NE Greece and NW) Tj ETQq1 1 0.784314 rgBT /Overlock palaeogeography. International Journal of Earth Sciences, 2015, 104, 815-832.	1.8	25
26	Provenance of a large Lower Cretaceous turbidite submarine fan complex on the active Laurasian margin: Central Pontides, northern Turkey. Journal of Asian Earth Sciences, 2017, 134, 309-329.	2.3	25
27	Palynological and palynofacies analysis of early Silurian shales from borehole CDEG-2a in Dor el Gussa, eastern Murzuq Basin, Libya. Review of Palaeobotany and Palynology, 2012, 174, 1-26.	1.5	23
28	OH defects in quartz as monitor for igneous, metamorphic, and sedimentary processes. American Mineralogist, 2017, 102, 1832-1842.	1.9	23
29	Scratch circles from the Ediacaran and Cambrian of Arctic Norway and southern Africa, with a review of scratch circle occurrences. Bulletin of Geosciences, 2018, , 287-304.	1.1	22
30	Detrital zircon ages from the islands of Inousses and Psara, Aegean Sea, Greece: constraints on depositional age and provenance. Geological Magazine, 2008, 145, 886-891.	1.5	21
31	Petrography and geochemistry of Palaeozoic quartz-rich sandstones from Saudi Arabia: implications for provenance and chemostratigraphy. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	20
32	Provenance of sandstones in Ethiopia during Late Ordovician and Carboniferousâ€“Permian Gondwana glaciations: Petrography and geochemistry of the Enticho Sandstone and the Edaga Arbi Glacials. Sedimentary Geology, 2018, 375, 188-202.	2.1	20
33	New occurrences of Palaeopascichnus from the StÃ¡hpogieddi Formation, Arctic Norway, and their bearing on the age of the Varanger Ice Age. Canadian Journal of Earth Sciences, 2018, 55, 1253-1261.	1.3	19
34	Diamond and coesite inclusions in detrital garnet of the Saxonian Erzgebirge, Germany. Geology, 2019, 47, 715-718.	4.4	18
35	Deep subduction of felsic rocks hosting UHP lenses in the central Saxonian Erzgebirge: Implications for UHP terrane exhumation. Gondwana Research, 2020, 87, 320-329.	6.0	18
36	Uâ€“Pb SHRIMP ages of detrital granulite-facies rutiles: further constraints on provenance of Jurassic sandstones on the Norwegian margin. Geological Magazine, 2011, 148, 473-480.	1.5	17

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37	Did lingering ice sheets moderate anoxia in the Early Palaeozoic of Libya?. Journal of the Geological Society, 2013, 170, 327-339.	2.1	17
38	Neoproterozoicâ€“Devonian stratigraphic evolution of the eastern Murzuq Basin, Libya: a tale of tilting in the central Sahara. Basin Research, 2013, 25, 52-73.	2.7	16
39	Palaeotethys-related sediments of the Karaburun Peninsula, western Turkey: constraints on provenance and stratigraphy from detrital zircon geochronology. International Journal of Earth Sciences, 2017, 106, 2771-2796.	1.8	16
40	Tracing ultrahigh-pressure metamorphism at the catchment scale. Scientific Reports, 2018, 8, 2931.	3.3	16
41	Provenance and tectonic setting of Carboniferousâ€“Triassic sandstones from the Karaburun Peninsula, western Turkey: A multi-method approach with implications for the Palaeotethys evolution. Sedimentary Geology, 2018, 375, 232-255.	2.1	16
42	Global mass wasting during the Middle Ordovician: Meteoritic trigger or plate-tectonic environment?. Gondwana Research, 2011, 19, 535-541.	6.0	15
43	Provenance information recorded by mineral inclusions in detrital garnet. Sedimentary Geology, 2018, 376, 32-49.	2.1	14
44	Organically-preserved multicellular eukaryote from the early Ediacaran Nyborg Formation, Arctic Norway. Scientific Reports, 2019, 9, 14659.	3.3	14
45	Geochemistry and biostratigraphy of Eocene sediments from Samothraki Island, NE Greece. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2010, 256, 17-38.	0.4	13
46	Ordovician stratigraphy of the StumsnÃs 1 drill core from the southern part of the Siljan Ring, central Sweden. Gff, 2013, 135, 204-212.	1.2	13
47	Early <scp>P</scp>alaeozoic evolution of <scp>L</scp>ibya: perspectives from <scp>J</scp>abal <scp>E</scp>ghei with implications for hydrocarbon exploration in Al <scp>K</scp>ufrah <scp>B</scp>asin. Basin Research, 2015, 27, 60-83.	2.7	13
48	Garnet major-element composition as an indicator of host-rock type: a machine learning approach using the random forest classifier. Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	13
49	Anatase nanoparticles on supergene platinumâ€“palladium aggregates from Brazil: Titanium mobility in natural waters. Chemical Geology, 2012, 334, 182-188.	3.3	12
50	OH in detrital quartz grains as tool for provenance analysis: Case studies on various settings from Cambrian to Recent. Sedimentary Geology, 2019, 389, 121-126.	2.1	12
51	Sediment provenance of Triassic and Jurassic sandstones in central Mexico during activity of the Nazas volcanic arc. Journal of South American Earth Sciences, 2019, 92, 329-349.	1.4	12
52	Evolution of the Palaeotethys in the Eastern Mediterranean: a multi-method approach to unravel the age, provenance and tectonic setting of the Upper Palaeozoic Konya Complex and its Mesozoic cover sequence (south-central Turkey). International Geology Review, 2020, 62, 389-414.	2.1	12
53	Acritarchs from the DuolbagÃ¡isÃ¡ Formation (Cambrian Series 2, Miaolingian) on the Digermulen Peninsula, Finnmark, Arctic Norway: towards a high-resolution Cambrian chronostratigraphy. Geological Magazine, 2020, 157, 2051-2066.	1.5	12
54	Origin of oil and bitumen in the Late Devonian Siljan impact structure, central Sweden. Organic Geochemistry, 2014, 68, 13-26.	1.8	11

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55	Normalograptus kufraensis, a new species of graptolite from the western margin of the Kufra Basin, Libya. Geological Magazine, 2013, 150, 743-755.	1.5	10
56	Insights into crust formation and recycling in North Africa from combined Uâ€“Pb, Luâ€“Hf and O isotope data of detrital zircons from Devonian sandstone of southern Libya. Geological Society Special Publication, 2014, 386, 281-292.	1.3	10
57	Permianâ€“Triassic magmatism in response to Palaeotethys subduction and pre-Late Triassic arrival of northeast Gondwana-derived continental fragments at the southern Eurasian margin: Detrital zircon evidence from Triassic sandstones of Central Iran. Gondwana Research, 2020, 83, 118-131.	6.0	10
58	First record of carbonates with spherulites and cone-in-cone structures from the Precambrian of Arctic Norway, and their palaeoenvironmental significance. Precambrian Research, 2019, 328, 99-110.	2.7	9
59	Uâ€“Pb dating of calcite in ancient carbonates for age estimates of syn- to post-depositional processes: a case study from the upper Ediacaran strata of Finnmark, Arctic Norway. Geological Magazine, 2020, 157, 1367-1372.	1.5	9
60	HYDROCARBON SOURCE ROCK POTENTIAL OF LATEST ORDOVICIAN â€“ EARLIEST SILURIAN TANEZZUFT FORMATION SHALES FROM THE EASTERN KUFRA BASIN, SE LIBYA. Journal of Petroleum Geology, 2013, 36, 105-115.	1.5	8
61	Analysis of borehole geophysical data from the Mora area of the Siljan Ring impact structure, central Sweden. Journal of Applied Geophysics, 2015, 115, 183-196.	2.1	8
62	Provenance of Ordovicianâ€“Silurian and Carboniferousâ€“Permian glaciogenic successions in Ethiopia revealed by detrital zircon Uâ€“Pb geochronology. Journal of the Geological Society, 2020, 177, 141-152.	2.1	8
63	Evidence from detrital chrome spinel chemistry for a Paleo-Tethyan intra-oceanic island-arc provenance recorded in Triassic sandstones of the Nakhlak Group, Central Iran. Journal of African Earth Sciences, 2018, 143, 242-252.	2.0	7
64	A late Caledonian tectono-thermal event in the Gaissa Nappe Complex, Arctic Norway: evidence from fine-fraction Kâ€™Ar dating and illite crystallinity from the Digermulen Peninsula. Gff, 2019, 141, 289-294.	1.2	7
65	Distribution and correlation ofSabellidites cambriensis(Annelida?) in the basal Cambrian on Baltica. Geological Magazine, 2022, 159, 1262-1283.	1.5	7
66	Ordovician sediments sandwiched between Proterozoic basement slivers: tectonic structures in the StumsnÃs 1 drill core from the Siljan Ring, central Sweden. Gff, 2013, 135, 213-227.	1.2	6
67	Heavy minerals as provenance indicator in glaciogenic successions: An example from the Palaeozoic of Ethiopia. Journal of African Earth Sciences, 2020, 165, 103813.	2.0	6
68	Life-cycle analysis of coesite-bearing garnet. Geological Magazine, 2021, 158, 1421-1440.	1.5	6
69	The sedimentary record of ultrahigh-pressure metamorphism: a perspective review. Earth-Science Reviews, 2022, 227, 103985.	9.1	6
70	The search for â€˜hot shalesâ€™ in the western Kufra Basin, Libya: geochemical and mineralogical characterisation of outcrops, and insights into latest Ordovician climate. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	5
71	A historical account of how continental drift and plate tectonics provided the framework for our current understanding of palaeogeography. Geological Magazine, 2019, 156, 182-207.	1.5	5
72	Introduction: special issue commemorating the 155th anniversary of Geological Magazine. Geological Magazine, 2020, 157, 1-4.	1.5	5

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73	High-resolution seismic imaging of Paleozoic rocks in the Mora area, Siljan Ring structure, central Sweden. Gff, 2017, 139, 260-275.	1.2	4
74	Early Mesozoic sedimentaryâ€'tectonic evolution of the Central-East Iranian Microcontinent: Evidence from a provenance study of the Nakhlak Group. Chemie Der Erde, 2018, 78, 340-355.	2.0	4
75	Franz Kossmat – Subdivision of the Variscan Mountains – a translation of the German text with supplementary notes. History of Geo- and Space Sciences, 2017, 8, 29-51.	0.4	4
76	Late Ediacaran occurrences of the organic-walled microfossilsGranomarginataand flask-shapedLagoenaforma collarisgen. et sp. nov.. Geological Magazine, 2022, 159, 1071-1092.	1.5	4
77	Reply to comment on â€œDeep subduction of felsic rocks hosting UHP lenses in the central Saxonian Erzgebirge: Implications for UHP terrane exhumationâ€. Gondwana Research, 2021, 98, 320-323.	6.0	3
78	LIFE THROUGH THE 'VARANGER ICE AGES': MICROFOSSIL RECORD OF LATE NEOPROTEROZOIC GLACIAL-INTERGLACIAL UNITS FROM ARCTIC NORWAY. , 2018, , .		3
79	Discovery of Organic Matter and Palynomorphs from the Neoproterozoic Zor Diamictite of the Ramsu Formation in the Ramban District, Jammu and Kashmir, India. Journal of the Geological Society of India, 2020, 95, 447-454.	1.1	2
80	Geochemistry and palynology of metasediments from the phyllite complex in the Greiz area (Saxo-Thuringia, Germany). Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2005, 237, 423-452.	0.4	2
81	Comment on Maravelis et al. â€œAccretionary prismâ€"forearc interactions as reflected in the sedimentary fill of southern Thrace Basin (Lemnos Island, NE Greece)â€. International Journal of Earth Sciences, 2017, 106, 387-388.	1.8	1
82	Introduction: Advances in Palaeogeography. Geological Magazine, 2019, 156, 179-181.	1.5	1
83	Mineralogical and geochemical changes in subsurface shales straddling the Ordovicianâ€"Silurian boundary in the eastern Kufra Basin, Libya. Journal of African Earth Sciences, 2021, 184, 104378.	2.0	1
84	An unusual occurrence of Pedinopariops (Trilobita: Phacopidae) within siliciclastic facies in the Devonian of Awaynat Wanin, Libya. Bulletin of Geosciences, 2012, , 219-225.	1.1	1
85	Geochemical discrimination of rutile from the Belomorian mobile belt. Geochemistry International, 2014, 52, 333-334.	0.7	0
86	Heavy-mineral and garnet compositions of stream sediments and HPâ€"UHP basement rocks from the Western Gneiss Region, SW Norway. Norwegian Journal of Geology, 0, , .	0.5	0