Andreas MÃ¶ller

List of Publications by Year
in descending order

54 papers	2,602 citations	279798 23 h-index	182427 51 g-index
57 all docs	57 docs citations	57 times ranked	2302 citing authors

#	Article	IF	Citations
1	Zircon Behaviour and the Thermal Histories of Mountain Chains. Elements, 2007, 3, 25-30.	0.5	535
2	Evidence for a 2 Ga subduction zone: Eclogites in the Usagaran belt of Tanzania. Geology, 1995, 23, 1067.	4.4	189
3	Linking growth episodes of zircon and metamorphic textures to zircon chemistry: an example from the ultrahigh-temperature granulites of Rogaland (SW Norway). Geological Society Special Publication, 2003, 220, 65-81.	1.3	181
4	Uâ€“Pb dating of metamorphic minerals: Pan-African metamorphism and prolonged slow cooling of high pressure granulites in Tanzania, East Africa. Precambrian Research, 2000, 104, 123-146.	2.7	166
5	Polyphase zircon in ultrahigh-temperature granulites (Rogaland, SW Norway): constraints for Pb diffusion in zircon. Journal of Metamorphic Geology, 2002, 20, 727-740.	3.4	156
6	Crustal Age Domains and the Evolution of the Continental Crust in the Mozambique Belt of Tanzania: Combined Sm-Nd, Rb-Sr, and Pb-Pb Isotopic Evidence. Journal of Petrology, 1998, 39, 749-783.	2.8	122
7	Highâ€pressure granulite facies metamorphism in the Panâ€African belt of eastern Tanzania: Pâ€“Tâ€“t evidence against granulite formation by continent collision. Journal of Metamorphic Geology, 1998, 16, 491-509.	3.4	112
8	Complexity in the behavior and recrystallization of monazite during high-T metamorphism and fluid infiltration. Chemical Geology, 2012, 322-323, 192-208.	3.3	100
9	Provenance of the upper Mioceneâ€“Pliocene Red Clay deposits of the Chinese loess plateau. Earth and Planetary Science Letters, 2014, 407, 35-47.	4.4	90
10	A Raman spectroscopic study on the structural disorder of monaziteâ€“(Ce). Mineralogy and Petrology, 2012, 105, 41-55.	1.1	71
11	Timing of anatexis and melt crystallization in the Socorroâ€“GuaxupÃ© Nappe, SE Brazil: Insights from trace element composition of zircon, monazite and garnet coupled to U Pb geochronology. Lithos, 2017, 277, 337-355.	1.4	59
12	Neoproterozoic continental arc volcanism at the northern edge of the Arabian Plate, SE Turkey. Precambrian Research, 2015, 258, 208-233.	2.7	52
13	Paleoproterozoic continental crust generation events at 2.15 and 2.08 Ga in the basement of the southern BrasÃ¡lia Orogen, SE Brazil. Precambrian Research, 2016, 275, 176-196.	2.7	50
14	Crustal Age Domains and the Evolution of the Continental Crust in the Mozambique Belt of Tanzania: Combined Sm-Nd, Rb-Sr, and Pb-Pb Isotopic Evidence. Journal of Petrology, 1998, 39, 749-783.	2.8	48
15	Controlling factors on heavy mineral assemblages in Chinese loess and Red Clay. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 381-382, 110-118.	2.3	44
16	Miocene initiation and acceleration of extension in the South Lunggar rift, western Tibet: Evolution of an active detachment system from structural mapping and (Uâ€Th)/He thermochronology. Tectonics, 2013, 32, 880-907.	2.8	41
17	Alpha particle haloes in chlorite and cordierite. Mineralogy and Petrology, 2006, 86, 1-27.	1.1	37
18	Exhumation of the lower crust during crustal shortening: an Alice Springs (380â€ƒMa) age for a prograde amphibolite facies shear zone in the Strangways Metamorphic Complex (central Australia). Journal of Metamorphic Geology, 2000, 18, 737-747.	3.4	32

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19	Uâ€“Pb zircon and monazite age constraints on granulite-facies metamorphism and deformation in the Strangways Metamorphic Complex (central Australia). Contributions To Mineralogy and Petrology, 2003, 145, 406-423.	3.1	31
20	Magmatic inheritance vs. UHT metamorphism: Zircon petrochronology of granulites and petrogenesis of charnockitic leucosomes of the Socorroâ€“GuaxupÃ© nappe, SE Brazil. Lithos, 2018, 314-315, 16-39.	1.4	30
21	MÃ©langes and ophiolites during the Pan-African orogeny: the case of the Bou-Azzer ophiolite suite (Morocco). Geological Society Special Publication, 2008, 297, 233-247.	1.3	29
22	Crustal homogenization revealed by Uâ€“Pb zircon ages and Hf isotope evidence from the Late Cretaceous granitoids of the AgaÃ§Ã¶ren intrusive suite (Central Anatolia/Turkey). Contributions To Mineralogy and Petrology, 2012, 163, 725-743.	3.1	29
23	Tectonic significance of the Meso- to Neoarchean complexes in the basement of the southern BrasÃlia Orogen. Precambrian Research, 2016, 287, 91-107.	2.7	29
24	Crustal source of the Late Cretaceous SatansarÄ± monzonite stock (central Anatolia â€“ Turkey) and its significance for the Alpine geodynamic evolution. Journal of Geodynamics, 2013, 65, 82-93.	1.6	26
25	Stable isotope paleohydrology and chemostratigraphy of the Albian Wayan Formation from the wedge-top depozone, North American Western Interior Basin. Science China Earth Sciences, 2017, 60, 44-57.	5.2	24
26	Indoâ€Antarctic derived detritus on the northern margin of <scp>G</scp>ondwana: evidence for continentalâ€scale sediment transport. Terra Nova, 2014, 26, 64-71.	2.1	23
27	Experimental approach and simulation of the retention processes limiting orthophosphate transport in groundwater. Journal of Contaminant Hydrology, 1993, 14, 143-161.	3.3	22
28	Chemical U-Th-Pb dating of monazite by 3D-Micro X-ray fluorescence analysis with synchrotron radiation. European Journal of Mineralogy, 2009, 21, 927-945.	1.3	22
29	Titanite petrochronology of the southern BrasÃlia Orogen basement: Effects of retrograde net-transfer reactions on titanite trace element compositions. Lithos, 2019, 344-345, 393-408.	1.4	22
30	Crustal residence history and garnet Smâ€“Nd ages of high-grade metamorphic rocks from the Windmill Islands area, East Antarctica. International Journal of Earth Sciences, 2002, 91, 993-1004.	1.8	21
31	StraboSpot data system for structural geology. , 2019, 15, 533-547.		21
32	Zircon typologies and internal structures as petrogenetic indicators in contrasting granitoid types from central Anatolia, Turkey. Mineralogy and Petrology, 2008, 93, 185-211.	1.1	20
33	Demonstrating the impact of classroom transformation on the inequality in DFW rates (â€œDâ€•or â€œFâ€) Tj ETQq1 1 0.784314 rg BT decadal study of introductory geology courses. Journal of Geoscience Education, 2018, 66, 304-318.	1.4	15
34	Peak and post-peak PT conditions and fluid composition for scapolite-clinopyroxene-garnet calc-silicate rocks from the Takab area, NW Iran. European Journal of Mineralogy, 2009, 21, 149-162.	1.3	14
35	Interpretation and significance of combined trace element and Uâ€“Pb isotopic data of detrital rutile: a case study from late Ordovician sedimentary rocks of Saxo-Thuringia, Germany. International Journal of Earth Sciences, 2019, 108, 1-25.	1.8	14
36	Laser Ablation Inductively Coupled Plasma Mass Spectrometry U-Pb Dating of Detrital and Magmatic Zircons of Glacial Diamictites and Pebbles in Late Ordovician Sediments of the Taurides and Southeast Anatolian Autochthon Belt, Turkey: Indications for Their Arabian-Nubian Provenance. Journal of Geology, 2017, 125, 165-202.	1.4	12

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37	Geochronology and geochemistry of Mesozoic igneous rocks of the Hunjiang basin, Jilin Province, NE China: Constraints on regional tectonic processes and lithospheric delamination of the eastern North China block. Gondwana Research, 2019, 68, 127-157.	6.0	12
38	Zircon geochronology of the Koraput alkaline complex: Insights from combined geochemical and Uâ€“Pbâ€“Hf isotope analyses, and implications for the timing of alkaline magmatism in the Eastern Ghats Belt, India. Gondwana Research, 2016, 34, 205-220.	6.0	11
39	Discovery of Paleogene Deposits of the Central High Plains Aquifer In the Western Great Plains, U.S.A.. Journal of Sedimentary Research, 2017, 87, 880-896.	1.6	11
40	Uâ€“Thâ€“Pb chemical dating of monazites using the proton microprobe. Nuclear Instruments & Methods in Physics Research B, 1999, 158, 616-620.	1.4	10
41	In situ LA-SF-ICP-MS U-Pb dating of metasomatic zircon growth during retrogression of UHP eclogites, Sulu deep drilling hole, China. European Journal of Mineralogy, 2010, 21, 1251-1264.	1.3	9
42	Nd, Pb, Hf isotope characteristics and provenance of glacial granitic pebbles from Late Ordovician diamictites in the Taurides, S Turkey. Gondwana Research, 2018, 54, 205-216.	6.0	7
43	Tectonic exhumation of the Central Alps recorded by detrital zircon in the Molasse Basin, Switzerland. Solid Earth, 2020, 11, 2197-2220.	2.8	7
44	First U-Pb zircon ages for late Miocene Ashfall Konservat-LagerstÃtte and Grove Lake ashes from eastern Great Plains, USA. PLoS ONE, 2018, 13, e0207103.	2.5	6
45	Dating Metasomatism: Monazite and Zircon Growth during Amphibolite Facies Albitization. Minerals (Basel, Switzerland), 2018, 8, 187.	2.0	6
46	Matrix dependency of baddeleyite Uâ€“Pb geochronology by femtosecond-LA-ICP-MS and comparison with nanosecond-LA-ICP-MS. Journal of Analytical Atomic Spectrometry, 2018, 33, 967-974.	3.0	5
47	Mioceneâ€“Pleistocene deformation of the Saddle Mountains: Implications for seismic hazard in central Washington, USA. Bulletin of the Geological Society of America, 2018, 130, 411-437.	3.3	5
48	Combined U-Pb ages and Lu-Hf systematics of detrital zircons from Early Cambrian Gondwanan siliciclastic rocks in S Turkey: Provenance and correlations with coeval successions in peri-Gondwanan terranes. Gondwana Research, 2022, 107, 423-450.	6.0	4
49	3.8 Ga zircons sampled by Neogene ignimbrite eruptions in Central Anatolia: COMMENT. Geology, 2013, 41, e307-e307.	4.4	3
50	Constraining the pressureâ€“temperature evolution and geodynamic setting of UHT granulites and migmatitic paragneisses of the Gruf Complex, Central Alps. International Journal of Earth Sciences, 2019, 108, 911-930.	1.8	3
51	SPATIAL AND TEMPORAL PATTERNS OF OGALLALA FORMATION DEPOSITION REVEALED BY U-PB ZIRCON GEOCHRONOLOGY. , 2016, , .		2
52	Conodont thermochronology of exhumed footwalls of low-angle normal faults: A pilot study in the Mormon Mountains, Tule Springs Hills, and Beaver Dam Mountains, southeastern Nevada and southwestern Utah. Chemical Geology, 2018, 495, 1-17.	3.3	1
53	Sediment routing and provenance of shallow to deep marine sandstones in the late Paleozoic Oquirrh Basin, Utah. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 578, 110582.	2.3	1
54	MAGMATIC-HYDROTHERMAL DEPOSITS OF THE HUNJIANG BASIN, JILIN PROVINCE, NE CHINA, WITH A FOCUS ON THE WHITE MOUNTAIN BRECCIA-HOSTED GOLD DEPOSIT. , 2016, , .		1