

# Andreas MÃ¶ller

## List of Publications by Year in descending order

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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	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. <i>Gondwana Research</i> , 2022, 107, 423-450.	6.0	4
2	Sediment routing and provenance of shallow to deep marine sandstones in the late Paleozoic Oquirrh Basin, Utah. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 578, 110582.	2.3	1
3	Tectonic exhumation of the Central Alps recorded by detrital zircon in the Molasse Basin, Switzerland. <i>Solid Earth</i> , 2020, 11, 2197-2220.	2.8	7
4	Titanite petrochronology of the southern Brasília Orogen basement: Effects of retrograde net-transfer reactions on titanite trace element compositions. <i>Lithos</i> , 2019, 344-345, 393-408.	1.4	22
5	StraboSpot data system for structural geology. , 2019, 15, 533-547.		21
6	Constraining the pressure-temperature evolution and geodynamic setting of UHT granulites and migmatitic paragneisses of the Gruf Complex, Central Alps. <i>International Journal of Earth Sciences</i> , 2019, 108, 911-930.	1.8	3
7	Interpretation and significance of combined trace element and U-Pb isotopic data of detrital rutile: a case study from late Ordovician sedimentary rocks of Saxo-Thuringia, Germany. <i>International Journal of Earth Sciences</i> , 2019, 108, 1-25.	1.8	14
8	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. <i>Gondwana Research</i> , 2019, 68, 127-157.	6.0	12
9	Matrix dependency of baddeleyite U-Pb geochronology by femtosecond-LA-ICP-MS and comparison with nanosecond-LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 967-974.	3.0	5
10	Nd, Pb, Hf isotope characteristics and provenance of glacial granitic pebbles from Late Ordovician diamictites in the Taurides, S Turkey. <i>Gondwana Research</i> , 2018, 54, 205-216.	6.0	7
11	Miocene-Pleistocene deformation of the Saddle Mountains: Implications for seismic hazard in central Washington, USA. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 411-437.	3.3	5
12	First U-Pb zircon ages for late Miocene Ashfall Konservat-Lagerstätte and Grove Lake ashes from eastern Great Plains, USA. <i>PLoS ONE</i> , 2018, 13, e0207103.	2.5	6
13	Demonstrating the impact of classroom transformation on the inequality in DFW rates (or $\Delta$ ) Tj ETQq1 1 0.784314 rg... decadal study of introductory geology courses. <i>Journal of Geoscience Education</i> , 2018, 66, 304-318.	1.4	15
14	Magmatic inheritance vs. UHT metamorphism: Zircon petrochronology of granulites and petrogenesis of charnockitic leucosomes of the Socorro-Guaxupá nappe, SE Brazil. <i>Lithos</i> , 2018, 314-315, 16-39.	1.4	30
15	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. <i>Chemical Geology</i> , 2018, 495, 1-17.	3.3	1
16	Dating Metasomatism: Monazite and Zircon Growth during Amphibolite Facies Albitization. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 187.	2.0	6
17	Timing of anatexis and melt crystallization in the Socorro-Guaxupá Nappe, SE Brazil: Insights from trace element composition of zircon, monazite and garnet coupled to U Pb geochronology. <i>Lithos</i> , 2017, 277, 337-355.	1.4	59
18	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. <i>Journal of Geology</i> , 2017, 125, 165-202.	1.4	12

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19	Stable isotope paleohydrology and chemostratigraphy of the Albian Wayan Formation from the wedge-top depozone, North American Western Interior Basin. <i>Science China Earth Sciences</i> , 2017, 60, 44-57.	5.2	24
20	Discovery of Paleogene Deposits of the Central High Plains Aquifer In the Western Great Plains, U.S.A.. <i>Journal of Sedimentary Research</i> , 2017, 87, 880-896.	1.6	11
21	Tectonic significance of the Meso- to Neoproterozoic complexes in the basement of the southern Brasilia Orogen. <i>Precambrian Research</i> , 2016, 287, 91-107.	2.7	29
22	Paleoproterozoic continental crust generation events at 2.15 and 2.08 Ga in the basement of the southern Brasilia Orogen, SE Brazil. <i>Precambrian Research</i> , 2016, 275, 176-196.	2.7	50
23	Zircon geochronology of the Koraput alkaline complex: Insights from combined geochemical and U-Pb-Hf isotope analyses, and implications for the timing of alkaline magmatism in the Eastern Ghats Belt, India. <i>Gondwana Research</i> , 2016, 34, 205-220.	6.0	11
24	SPATIAL AND TEMPORAL PATTERNS OF OGALLALA FORMATION DEPOSITION REVEALED BY U-PB ZIRCON GEOCHRONOLOGY., 2016, , .		2
25	MAGMATIC-HYDROTHERMAL DEPOSITS OF THE HUNJIANG BASIN, JILIN PROVINCE, NE CHINA, WITH A FOCUS ON THE WHITE MOUNTAIN BRECCIA-HOSTED GOLD DEPOSIT. , 2016, , .		1
26	Neoproterozoic continental arc volcanism at the northern edge of the Arabian Plate, SE Turkey. <i>Precambrian Research</i> , 2015, 258, 208-233.	2.7	52
27	Indo-Antarctic derived detritus on the northern margin of Gondwana: evidence for continental-scale sediment transport. <i>Terra Nova</i> , 2014, 26, 64-71.	2.1	23
28	Provenance of the upper Miocene-Pliocene Red Clay deposits of the Chinese loess plateau. <i>Earth and Planetary Science Letters</i> , 2014, 407, 35-47.	4.4	90
29	Crustal source of the Late Cretaceous Satansar monzonite stock (central Anatolia - Turkey) and its significance for the Alpine geodynamic evolution. <i>Journal of Geodynamics</i> , 2013, 65, 82-93.	1.6	26
30	Controlling factors on heavy mineral assemblages in Chinese loess and Red Clay. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 381-382, 110-118.	2.3	44
31	Miocene initiation and acceleration of extension in the South Lunggar rift, western Tibet: Evolution of an active detachment system from structural mapping and (U-Th)/He thermochronology. <i>Tectonics</i> , 2013, 32, 880-907.	2.8	41
32	3.8 Ga zircons sampled by Neogene ignimbrite eruptions in Central Anatolia: COMMENT. <i>Geology</i> , 2013, 41, e307-e307.	4.4	3
33	Complexity in the behavior and recrystallization of monazite during high-T metamorphism and fluid infiltration. <i>Chemical Geology</i> , 2012, 322-323, 192-208.	3.3	100
34	A Raman spectroscopic study on the structural disorder of monazite-(Ce). <i>Mineralogy and Petrology</i> , 2012, 105, 41-55.	1.1	71
35	Crustal homogenization revealed by U-Pb zircon ages and Hf isotope evidence from the Late Cretaceous granitoids of the Agasoren intrusive suite (Central Anatolia/Turkey). <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 725-743.	3.1	29
36	In situ LA-SF-ICP-MS U-Pb dating of metasomatic zircon growth during retrogression of UHP eclogites, Sulu deep drilling hole, China. <i>European Journal of Mineralogy</i> , 2010, 21, 1251-1264.	1.3	9

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37	Chemical U-Th-Pb dating of monazite by 3D-Micro X-ray fluorescence analysis with synchrotron radiation. <i>European Journal of Mineralogy</i> , 2009, 21, 927-945.	1.3	22
38	Peak and post-peak PT conditions and fluid composition for scapolite-clinopyroxene-garnet calc-silicate rocks from the Takab area, NW Iran. <i>European Journal of Mineralogy</i> , 2009, 21, 149-162.	1.3	14
39	Zircon typologies and internal structures as petrogenetic indicators in contrasting granitoid types from central Anatolia, Turkey. <i>Mineralogy and Petrology</i> , 2008, 93, 185-211.	1.1	20
40	Mālanges and ophiolites during the Pan-African orogeny: the case of the Bou-Azzer ophiolite suite (Morocco). <i>Geological Society Special Publication</i> , 2008, 297, 233-247.	1.3	29
41	Zircon Behaviour and the Thermal Histories of Mountain Chains. <i>Elements</i> , 2007, 3, 25-30.	0.5	535
42	Alpha particle haloes in chlorite and cordierite. <i>Mineralogy and Petrology</i> , 2006, 86, 1-27.	1.1	37
43	Uâ€Pb zircon and monazite age constraints on granulite-facies metamorphism and deformation in the Strangways Metamorphic Complex (central Australia). <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 406-423.	3.1	31
44	Linking growth episodes of zircon and metamorphic textures to zircon chemistry: an example from the ultrahigh-temperature granulites of Rogaland (SW Norway). <i>Geological Society Special Publication</i> , 2003, 220, 65-81.	1.3	181
45	Crustal residence history and garnet Smâ€Nd ages of high-grade metamorphic rocks from the Windmill Islands area, East Antarctica. <i>International Journal of Earth Sciences</i> , 2002, 91, 993-1004.	1.8	21
46	Polyphase zircon in ultrahigh-temperature granulites (Rogaland, SW Norway): constraints for Pb diffusion in zircon. <i>Journal of Metamorphic Geology</i> , 2002, 20, 727-740.	3.4	156
47	Exhumation of the lower crust during crustal shortening: an Alice Springs (380â€fMa) age for a prograde amphibolite facies shear zone in the Strangways Metamorphic Complex (central Australia). <i>Journal of Metamorphic Geology</i> , 2000, 18, 737-747.	3.4	32
48	Uâ€Pb dating of metamorphic minerals: Pan-African metamorphism and prolonged slow cooling of high pressure granulites in Tanzania, East Africa. <i>Precambrian Research</i> , 2000, 104, 123-146.	2.7	166
49	Uâ€Thâ€Pb chemical dating of monazites using the proton microprobe. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1999, 158, 616-620.	1.4	10
50	Highâ€pressure granulite facies metamorphism in the Panâ€African belt of eastern Tanzania: Pâ€Tâ€t evidence against granulite formation by continent collision. <i>Journal of Metamorphic Geology</i> , 1998, 16, 491-509.	3.4	112
51	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. <i>Journal of Petrology</i> , 1998, 39, 749-783.	2.8	122
52	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. <i>Journal of Petrology</i> , 1998, 39, 749-783.	2.8	48
53	Evidence for a 2 Ga subduction zone: Eclogites in the Usagaran belt of Tanzania. <i>Geology</i> , 1995, 23, 1067.	4.4	189
54	Experimental approach and simulation of the retention processes limiting orthophosphate transport in groundwater. <i>Journal of Contaminant Hydrology</i> , 1993, 14, 143-161.	3.3	22