Axel MÃ¼ller

List of Publications by Year
in descending order

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54 papers	1,461 citations	331670 21 h-index	330143 37 g-index
54 all docs	54 docs citations	54 times ranked	886 citing authors

#	Article	IF	Citations
1	Quartz and feldspar zoning in the eastern Erzgebirge volcano-plutonic complex (Germany, Czech) Tj ETQq1 1 0.784314 rgBT /Overloc	1.4	102
2	Trace elements and cathodoluminescence of quartz in stockwork veins of Mongolian porphyry-style deposits. Mineralium Deposita, 2010, 45, 707-727.	4.1	100
3	The Sveconorwegian Pegmatite Province â€“ Thousands of Pegmatites Without Parental Granites. Canadian Mineralogist, 2017, 55, 283-315.	1.0	99
4	Textural and chemical evolution of a fractionated granitic system: the PodlesÃ-stock, Czech Republic. Lithos, 2005, 80, 323-345.	1.4	91
5	Late-magmatic immiscibility during batholith formation: assessment of B isotopes and trace elements in tourmaline from the Landâ€™s End granite, SW England. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	76
6	Cathodoluminescence and micro-structural evidence for crystallisation and deformation processes of granites in the Eastern Lachlan Fold Belt (SE Australia). Contributions To Mineralogy and Petrology, 2002, 143, 510-524.	3.1	72
7	The Chemistry of Quartz in Granitic Pegmatites of Southern Norway: Petrogenetic and Economic Implications. Economic Geology, 2015, 110, 1737-1757.	3.8	71
8	The magmatic evolution of the Land's End pluton, Cornwall, and associated pre-enrichment of metals. Ore Geology Reviews, 2006, 28, 329-367.	2.7	66
9	Behavior of trace elements in quartz from plutons of different geochemical signature: A case study from the Bohemian Massif, Czech Republic. Lithos, 2013, 175-176, 54-67.	1.4	55
10	High-purity quartz mineralisation in kyanite quartzites, Norway. Mineralium Deposita, 2007, 42, 523-535.	4.1	49
11	Mineralogy and mineral chemistry of quartz: A review. Mineralogical Magazine, 2021, 85, 639-664.	1.4	47
12	The evolution of late-Hercynian granites and rhyolites documented by quartz â€“ a review. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2009, 100, 185-204.	0.3	45
13	Chemistry of quartz related to the Zinnwald/CÃnovec Sn-W-Li greisen-type deposit, Eastern Erzgebirge, Germany. Journal of Geochemical Exploration, 2018, 190, 357-373.	3.2	41
14	Refinement of Phosphorus Determination in Quartz by LAâ€ICPâ€MS through Defining New Reference Material Values. Geostandards and Geoanalytical Research, 2008, 32, 361-376.	3.1	40
15	Perspectives for Li- and Ta-Mineralization in the Borborema Pegmatite Province, NE-Brazil: A review. Journal of South American Earth Sciences, 2014, 56, 110-127.	1.4	39
16	Machine Learning Prediction of Quartz Formingâ€Environments. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021925.	3.4	36
17	Crystallization and uplift path of late Variscan granites evidenced by quartz chemistry and fluid inclusions: Example from the Landâ€™s End granite, SW England. Lithos, 2016, 252-253, 57-75.	1.4	34
18	Petrological and Chemical Characterisation of High-Purity Quartz Deposits with Examples from Norway. Springer Geology, 2012, , 71-118.	0.3	33

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19	The inheritance of a Mesozoic landscape in western Scandinavia. Nature Communications, 2017, 8, 14879.	12.8	30
20	Origin and significance of the yellow cathodoluminescence (CL) of quartz. American Mineralogist, 2015, 100, 1469-1482.	1.9	26
21	Water content of granitic melts from Cornwall and Erzgebirge: A Raman spectroscopy study of melt inclusions. European Journal of Mineralogy, 2006, 18, 429-440.	1.3	24
22	Quartz chemistry of granitic pegmatites: Implications for classification, genesis and exploration. Chemical Geology, 2021, 584, 120507.	3.3	22
23	Origin and geochemistry of agates in Permian volcanic rocks of the Sub-Erzgebirge basin, Saxony (Germany). Chemical Geology, 2016, 428, 77-91.	3.3	21
24	A Comparison of the Mica Geochemistry of the Pegmatite Fields in Southern Norway. Canadian Mineralogist, 2018, 56, 463-488.	1.0	21
25	Alkali-F-Rich Albite Zones in Evolved NYF Pegmatites: The Product of Meltâ€“melt Immiscibility. Canadian Mineralogist, 2018, 56, 657-687.	1.0	20
26	Textural evidence of magma decompression, devolatilization and disequilibrium quenching: an example from the Western KruÅ¡nÃ© hory/Erzgebirge granite pluton. Contributions To Mineralogy and Petrology, 2007, 155, 93-109.	3.1	19
27	Titaniferous heavy mineral aggregates as a tool in exploration for pegmatitic and aplitic rare-metal deposits (SE Germany). Ore Geology Reviews, 2014, 57, 29-52.	2.7	18
28	Trace Element Compositions and Defect Structures of High-Purity Quartz from the Southern Ural Region, Russia. Minerals (Basel, Switzerland), 2017, 7, 189.	2.0	15
29	The petrogenesis of granitoid rocks unusually rich in apatite in the Western Tatra Mts. (S-Poland,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	13
30	The Pâ€“Fe diagram for K-feldspars: A preliminary approach in the discrimination of pegmatites. Lithos, 2017, 272-273, 116-127.	1.4	13
31	GREENPEG â€“ exploration for pegmatite minerals to feed the energy transition: first steps towards the Green Stone Age. Geological Society Special Publication, 2023, 526, 193-218.	1.3	12
32	Mineralogical and chemical composition of the Hagendorf-North Pegmatite, SE Germany â€“ a monographic study. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2013, 190, 281-318.	0.3	11
33	Trace element composition and cathodoluminescence of kyanite and its petrogenetic implications. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	11
34	Two-stage regional rare-element pegmatite formation at Tysfjord, Norway: implications for the timing of late Svecofennian and late Caledonian high-temperature events. International Journal of Earth Sciences, 2022, 111, 987-1007.	1.8	11
35	Composition of zircons from the Cornubian Batholith of SW England and comparison with zircons from other European Variscan rare-metal granites. Mineralogical Magazine, 2016, 80, 1273-1289.	1.4	10
36	Unusual scandium enrichments of the TÃ¸rdal pegmatites, south Norway. Part I: Garnet as Sc exploration pathfinder. Ore Geology Reviews, 2020, 126, 103729.	2.7	10

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37	Lattice-preferred orientations of late-Variscan granitoids derived from neutron diffraction data: implications for magma emplacement mechanisms. International Journal of Earth Sciences, 2011, 100, 1515-1532.	1.8	8
38	Vladimir Ivanovich Vernadsky (1863â€“1945) â€” From mineral to noosphere. Journal of Geochemical Exploration, 2014, 147, 4-10.	3.2	6
39	Mineralogical and gemological characterization of emerald crystals from ParanÃ¡ deposit, NE Brazil: a study of mineral chemistry, absorption and reflectance spectroscopy and thermal analysis. Brazilian Journal of Geology, 2019, 49, .	0.7	6
40	Viktor Moritz Goldschmidt (1888â€“1947) and Vladimir Ivanovich Vernadsky (1863â€“1945): The father and grandfather of geochemistry?. Journal of Geochemical Exploration, 2014, 147, 37-45.	3.2	5
41	Petrogenesis of kyanite-quartz segregations in mica schists of the Western Tatra Mountains (Slovakia). Mineralogia, 2014, 45, 99-120.	0.8	5
42	Continental weathering and recovery from ocean nutrient stress during the Early Triassic Biotic Crisis. Communications Earth & Environment, 2022, 3, .	6.8	4
43	The evolution of late-Hercynian granites and rhyolites documented by quartz â€“ a review. , 2010, , .		3
44	Correspondence: Reply to â€˜Challenges with dating weathering products to unravel ancient landscapesâ€™. Nature Communications, 2017, 8, 1503.	12.8	3
45	The Hydrothermal Breccia of Berglia-Glassberget, TrÃ¸ndelag, Norway: Snapshot of a Triassic Earthquake. Minerals (Basel, Switzerland), 2018, 8, 175.	2.0	3
46	The Serra Branca amazonite pegmatite of the VieirÃ³polis pegmatite field, ParaÃba, Brazil: A new and unusual megacrystic amazonite deposit. Canadian Mineralogist, 2020, 58, 679-702.	1.0	3
47	Vladimir I. Vernadsky (1863â€“1945) and his â€˜descriptive mineralogyâ€™. Journal of Geochemical Exploration, 2014, 147, 11-15.	3.2	2
48	Age and origin of fluorapatite-rich dyke from Baranec Mt. (Tatra Mts., Western Carpathians): a key to understanding of the post-orogenic processes and element mobility. Geologica Carpathica, 2016, 67, 417-432.	0.7	2
49	Rapid ore classification for real-time mineral processing optimisation at the Niederschlag multi-generation hydrothermal barite-fluorite vein deposit, Germany. Mineralium Deposita, 2021, 56, 417-424.	4.1	2
50	Titanite links rare-element (meta-)pegmatite mineralization to Caledonian metamorphism. Geochimica Et Cosmochimica Acta, 2022, 332, 285-306.	3.9	2
51	Lead Isotopes and the Sources of Granitic Magmas: The Sveconorwegian Granite and Pegmatite Province of Southern Norway. Minerals (Basel, Switzerland), 2022, 12, 878.	2.0	2
52	New age constraints on the formation of Sveconorwegian pegmatites. Canadian Mineralogist, 2019, 57, 787-790.	1.0	1
53	Hans Stille (1876â€“1966) about relationships between global tectonics and magmatism. Global Tectonics and Metallogeny, 2018, 10, 109-120.	0.9	1
54	Thematic issue: 150th anniversary of the birth of the Russian scientist Vladimir Ivanovich Vernadsky (1863â€“1945). Journal of Geochemical Exploration, 2014, 147, 1-3.	3.2	0