

Frank Melcher

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,437
citations

516710

16
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1219
citing authors

#	ARTICLE	IF	CITATIONS
1	The Haidbach deposit in the Central Tauern Window, Eastern Alps, Austria: a metamorphosed orthomagmatic Ni-Cu-Co-PGE mineralization in the Polymetallic Ore District Venediger Nappe System â€“ Hollersbach Complex. <i>Austrian Journal of Earth Sciences</i> , 2021, 114, 1-26.	0.5	1
2	Analytical Proof of Origin for Raw Materials. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 461.	2.0	5
3	Ophiolite derived material as parent rocks for Late Jurassic bauxite: evidence for Tithonian unroofing in the Northern Calcareous Alps (Eastern Alps, Austria). <i>International Journal of Earth Sciences</i> , 2021, 110, 1847-1862.	1.8	5
4	Walter L. Pohl: <i>Economic Geology, Principles and Practice: Metals, Minerals, Coal and Hydrocarbons - Introduction to Formation and Sustainable Exploitation of Mineral Deposits (2nd revised edition). Mineralogy and Petrology</i> , 2021, 115, 487-488.	1.1	1
5	The occurrence, origin, and fate of water in chromitites in ophiolites. <i>American Mineralogist</i> , 2020, 105, 894-903.	1.9	31
6	Geochronology of metamorphism, deformation and fluid circulation: A comparison between Rb-Sr and Ar-Ar phyllosilicate and U-Pb apatite systematics in the Karagwe-Ankole Belt (Central Africa). <i>Gondwana Research</i> , 2020, 83, 279-297.	6.0	11
7	Late orogenic gold mineralization in the western domain of the Karagwe-Ankole Belt (Central Africa): Auriferous quartz veins from the Byumba deposit (Rwanda). <i>Ore Geology Reviews</i> , 2020, 125, 103666.	2.7	5
8	Potential of Critical High-technology Metals in Eastern Alpine Base Metal Sulfide Ores. <i>BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2019, 164, 71-76.	1.0	7
9	Distribution of platinum-group elements in pristine and near-surface oxidized Platreef ore and the variation along strike, northern Bushveld Complex, South Africa. <i>Mineralium Deposita</i> , 2019, 54, 885-912.	4.1	29
10	The hydrothermal Waterberg platinum deposit, Mookgophong (Naboomspruit), South Africa. Part II: Quartz chemistry, fluid inclusions and geochronology. <i>Mineralogical Magazine</i> , 2018, 82, 751-778.	1.4	11
11	The hydrothermal Waterberg platinum deposit, Mookgophong (Naboomspruit), South Africa. Part 1: Geochemistry and ore mineralogy. <i>Mineralogical Magazine</i> , 2018, 82, 725-749.	1.4	17
12	Anatectic Granitic Pegmatites from the Eastern Alps: A Case of Variable Rare-Metal Enrichment During High-Grade Regional Metamorphism â€“ I: Mineral Assemblages, Geochemical Characteristics, and Emplacement Ages. <i>Canadian Mineralogist</i> , 2018, 56, 555-602.	1.0	27
13	The effect of disequilibrium crystallization on Nb-Ta fractionation in pegmatites: Constraints from crystallization experiments of tantalite-tapiolite. <i>American Mineralogist</i> , 2018, 103, 1401-1416.	1.9	48
14	Mineralogical and chemical evolution of tantalumâ€“(niobiumâ€“tin) mineralisation in pegmatites and granites. Part 2: Worldwide examples (excluding Africa) and an overview of global metallogenetic patterns. <i>Ore Geology Reviews</i> , 2017, 89, 946-987.	2.7	60
15	Development of a Matrixâ€“Matched Sphalerite Reference Material (<sc>MUL</sc>â€“ZnSâ€“1) for Calibration of <i>In Situ</i> Trace Element Measurements by Laser Ablationâ€“Inductively Coupled Plasmaâ€“Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 263-272.	3.1	26
16	Economic Geology of the Eastern and South-eastern European (ESEE) Region. <i>BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2017, 162, 238-244.	1.0	5
17	Mineralogy and mineral chemistry of detrital heavy minerals from the Rhine River in Germany as evidence to their provenance, sedimentary and depositional history: focus on platinum-group minerals and remarks on cassiterite, columbite-group minerals and uraninite. <i>International Journal of Earth Sciences</i> . 2016. 105. 637-657.	1.8	12
18	Tantalumâ€“(niobiumâ€“tin) mineralisation in African pegmatites and rare metal granites: Constraints from Taâ€“Nb oxide mineralogy, geochemistry and Uâ€“Pb geochronology. <i>Ore Geology Reviews</i> , 2015, 64, 667-719.	2.7	187

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19	Petrography, geochemistry and U–Pb zircon age of the Matongo carbonatite Massif (Burundi): Implication for the Neoproterozoic geodynamic evolution of Central Africa. <i>Journal of African Earth Sciences</i> , 2014, 100, 656-674.	2.0	21
20	Die Verfügbbarkeit von Hochtechnologie-Rohstoffen. <i>Chemie in Unserer Zeit</i> , 2013, 47, 32-49.	0.1	11
21	Sulfidic and non-sulfidic indium mineralization of the epithermal Au–Cu–Zn–Pb–Ag deposit San Roque (Provincia Rio Negro, SE Argentina) with special reference to the “indium window” in zinc sulfide. <i>Ore Geology Reviews</i> , 2013, 51, 103-128.	2.7	46
22	Speeding Up the Analytical Workflow for Coltan Fingerprinting by an Integrated Mineral Liberation Analysis/LA-ICP-MS Approach. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 431-448.	3.1	44
23	Geochemical Fingerprinting of Coltan Ores by Machine Learning on Uneven Datasets. <i>Natural Resources Research</i> , 2011, 20, 177-191.	4.7	16
24	Late Neoproterozoic overprinting of the cassiterite and columbite-tantalite bearing pegmatites of the Gatumba area, Rwanda (Central Africa). <i>Journal of African Earth Sciences</i> , 2011, 61, 10-26.	2.0	90
25	Magmatic vs. hydrothermal origins for zircon associated with tantalum mineralization in the Tanco pegmatite, Manitoba, Canada. <i>American Mineralogist</i> , 2009, 94, 439-450.	1.9	67
26	The Kenticha rare-element pegmatite, Ethiopia: internal differentiation, U–Pb age and Ta mineralization. <i>Mineralium Deposita</i> , 2009, 44, 723-750.	4.1	47
27	Trace and minor elements in sphalerite: A LA-ICPMS study. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4761-4791.	3.9	581