

Jens Gutzmer

List of Publications by Year in descending order

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145
papers

4,841
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126708

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62
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all docs

150
docs citations

150
times ranked

3425
citing authors

#	ARTICLE	IF	CITATIONS
1	Paleoproterozoic snowball Earth: Extreme climatic and geochemical global change and its biological consequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 1400-1405.	3.3	379
2	Gallium, germanium, indium, and other trace and minor elements in sphalerite as a function of deposit type – A meta-analysis. <i>Ore Geology Reviews</i> , 2016, 76, 52-78.	1.1	269
3	Reconstructing Earth's surface oxidation across the Archean-Proterozoic transition. <i>Geology</i> , 2009, 37, 399-402.	2.0	247
4	Tropical laterites, life on land, and the history of atmospheric oxygen in the Paleoproterozoic. <i>Geology</i> , 2002, 30, 491.	2.0	143
5	Deciphering formation processes of banded iron formations from the Transvaal and the Hamersley successions by combined Si and Fe isotope analysis using UV femtosecond laser ablation. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2677-2696.	1.6	138
6	A Review of Graphite Beneficiation Techniques. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016, 37, 58-68.	2.6	129
7	Trace element geochemistry of sphalerite in contrasting hydrothermal fluid systems of the Freiberg district, Germany: insights from LA-ICP-MS analysis, near-infrared light microthermometry of sphalerite-hosted fluid inclusions, and sulfur isotope geochemistry. <i>Mineralium Deposita</i> , 2019, 54, 237-262.	1.7	122
8	Evidence for an early Archaean granite from Bastar craton, India. <i>Journal of the Geological Society</i> , 2009, 166, 193-196.	0.9	117
9	Intrusive origin for Upper Group (UG1, UG2) stratiform chromitite seams in the Dwars River area, Bushveld Complex, South Africa. <i>Mineralogy and Petrology</i> , 2009, 97, 75-94.	0.4	108
10	Raw material –criticality–sense or nonsense?. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 123002.	1.3	94
11	Quantifying the relative availability of high-tech by-product metals – The cases of gallium, germanium and indium. <i>Resources Policy</i> , 2017, 52, 327-335.	4.2	91
12	Mineral paragenesis of the Kalahari manganese field, South Africa. <i>Ore Geology Reviews</i> , 1996, 11, 405-428.	1.1	88
13	On the geological availability of germanium. <i>Mineralium Deposita</i> , 2014, 49, 471-486.	1.7	87
14	The Composition and Depositional Environments of Mesoarchean Iron Formations of the West Rand Group of the Witwatersrand Supergroup, South Africa. <i>Economic Geology</i> , 2013, 108, 111-134.	1.8	85
15	On the current and future availability of gallium. <i>Resources Policy</i> , 2016, 47, 38-50.	4.2	85
16	Genesis of High-Grade Iron Ores of the Archean Iron Ore Group around Noamundi, India. <i>Economic Geology</i> , 2008, 103, 365-386.	1.8	84
17	A review of rare earth minerals flotation: Monazite and xenotime. <i>International Journal of Mining Science and Technology</i> , 2015, 25, 877-883.	4.6	72
18	Spatial and temporal distribution of microbially induced sedimentary structures: A case study from siliciclastic storm deposits of the 2.9Ga Witwatersrand Supergroup, South Africa. <i>Precambrian Research</i> , 2006, 146, 35-44.	1.2	69

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19	Earliest laterites and possible evidence for terrestrial vegetation in the Early Proterozoic. <i>Geology</i> , 1998, 26, 263.	2.0	64
20	PALEOENVIRONMENTAL CONTROLS ON THE TEXTURE AND CHEMICAL COMPOSITION OF PYRITE FROM NON-CONGLOMERATIC SEDIMENTARY ROCKS OF THE MESOARCHEAN WITWATERSRAND SUPERGROUP, SOUTH AFRICA. <i>South African Journal of Geology</i> , 2010, 113, 195-228.	0.6	62
21	Precise SHRIMP U-Pb zircon age constraints on the lower Waterberg and Soutpansberg Groups, South Africa. <i>South African Journal of Geology</i> , 2006, 109, 139-156.	0.6	55
22	From BIF to red beds: Sedimentology and sequence stratigraphy of the Paleoproterozoic Koegas Subgroup (South Africa). <i>Sedimentary Geology</i> , 2011, 236, 25-44.	1.0	53
23	Indium-bearing sulfides from the HÄmmerlein skarn deposit, Erzgebirge, Germany: Evidence for late-stage diffusion of indium into sphalerite. <i>Mineralium Deposita</i> , 2019, 54, 175-192.	1.7	51
24	Origin and Paleoenvironmental Significance of Major Iron Formations at the Archean-Paleoproterozoic Boundary. , 2008, , .		48
25	Isotopic evidence for iron mobilization during Paleoproterozoic lateritization of the Hekpoort paleosol profile from Gaborone, Botswana. <i>Earth and Planetary Science Letters</i> , 2007, 256, 577-587.	1.8	47
26	Ancient sub-seafloor alteration of basaltic andesites of the Ongeluk Formation, South Africa: implications for the chemistry of Paleoproterozoic seawater. <i>Chemical Geology</i> , 2003, 201, 37-53.	1.4	43
27	Manganvesuvianite and tweddillite, two new Mn ³⁺ -silicate minerals from the Kalahari manganese fields, South Africa. <i>Mineralogical Magazine</i> , 2002, 66, 137-150.	0.6	42
28	The essence of time "fertile skarn formation in the Variscan Orogenic Belt. <i>Earth and Planetary Science Letters</i> , 2019, 519, 165-170.	1.8	42
29	The manganese formation of the Neoproterozoic Penganga Group, India; revision of an enigma. <i>Economic Geology</i> , 1998, 93, 1091-1102.	1.8	41
30	Paleomagnetism of the lower two unconformity-bounded sequences of the Waterberg Group, South Africa: Towards a better-defined apparent polar wander path for the Paleoproterozoic Kaapvaal Craton.. <i>South African Journal of Geology</i> , 2006, 109, 157-182.	0.6	36
31	Advanced Identification and Quantification of In-Bearing Minerals by Scanning Electron Microscope-Based Image Analysis. <i>Microscopy and Microanalysis</i> , 2017, 23, 527-537.	0.2	36
32	Automated SEM Mineral Liberation Analysis (MLA) with Generically Labelled EDX Spectra in the Mineral Processing of Rare Earth Element Ores. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 527.	0.8	36
33	Formation of jasper and andradite during low-temperature hydrothermal seafloor metamorphism, Ongeluk Formation, South Africa. <i>Contributions To Mineralogy and Petrology</i> , 2001, 142, 27-42.	1.2	35
34	A mineral liberation study of grain boundary fracture based on measurements of the surface exposure after milling. <i>International Journal of Mineral Processing</i> , 2016, 156, 3-13.	2.6	35
35	MLA-based partition curves for magnetic separation. <i>Minerals Engineering</i> , 2016, 94, 94-103.	1.8	35
36	Supergene Ferromanganese Wad Deposits Derived from Permian Karoo Strata along the Late Cretaceous-Mid-Tertiary African Land Surface, Ryedale, South Africa. <i>Economic Geology</i> , 2000, 95, 203-220.	1.8	34

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37	Structure, compressibility, hydrogen bonding, and dehydration of the tetragonal Mn ³⁺ hydrogarnet, henritermierite. <i>American Mineralogist</i> , 2001, 86, 147-158.	0.9	34
38	The geometallurgical assessment of by-productsâ€™ geochemical proxies for the complex mineralogical department of indium at Neves-Corvo, Portugal. <i>Mineralium Deposita</i> , 2019, 54, 959-982.	1.7	34
39	The Paleoproterozoic carbonate-hosted Pering Znâ€“Pb deposit, South Africa. II: fluid inclusion, fluid chemistry and stable isotope constraints. <i>Mineralium Deposita</i> , 2006, 40, 686-706.	1.7	33
40	Lithogeochemistry as a tracer of the tectonic setting, lateral integrity and mineralization of a highly metamorphosed Mesoproterozoic volcanic arc sequence on the eastern margin of the Namaqua Province, South Africa. <i>Lithos</i> , 2010, 119, 345-362.	0.6	33
41	Bioleaching of Kupferschiefer blackshale â€™ A review including perspectives of the Ecometals project. <i>Minerals Engineering</i> , 2015, 75, 116-125.	1.8	33
42	The chemostratigraphy of a Paleoproterozoic MnF- BIF succession -the Voelwater Subgroup of the Transvaal Supergroup in Griqualand West, South Africa. <i>South African Journal of Geology</i> , 2006, 109, 63-80.	0.6	32
43	Correlating multiple Neoproterozoic Paleoproterozoic impact spherule layers between South Africa and Western Australia. <i>Precambrian Research</i> , 2009, 169, 100-111.	1.2	32
44	Description of Ore Particles from X-Ray Microtomography (XMT) Images, Supported by Scanning Electron Microscope (SEM)-Based Image Analysis. <i>Microscopy and Microanalysis</i> , 2018, 24, 461-470.	0.2	32
45	Links of organic carbon cycling and burial to depositional depth gradients and establishment of a snowball Earth at 2.3Ga. Evidence from the Timeball Hill Formation, Transvaal Supergroup, South Africa.. <i>South African Journal of Geology</i> , 2006, 109, 109-122.	0.6	31
46	Zoning of platinum group mineral assemblages in the UG2 chromitite determined through in situ SEM-EDS-based image analysis. <i>Mineralium Deposita</i> , 2010, 45, 147-159.	1.7	31
47	2.05-Ga Isotopic Ages for Transvaal Mississippi Valleyâ€™Type Deposits: Evidence for Large-Scale Hydrothermal Circulation around the Bushveld Igneous Complex, South Africa. <i>Journal of Geology</i> , 2011, 119, 69-80.	0.7	31
48	Calculating the department of a fine-grained and compositionally complex Sn skarn with a modified approach for automated mineralogy. <i>Minerals Engineering</i> , 2018, 116, 213-225.	1.8	31
49	Fluid inclusion studies in cogenetic hematite, hausmannite, and gangue minerals from high-grade manganese ores in the Kalahari manganese field, South Africa. <i>Economic Geology</i> , 1999, 94, 589-595.	1.8	30
50	Assessing the supply potential of high-tech metals â€™ A general method. <i>Resources Policy</i> , 2015, 46, 45-58.	4.2	30
51	The South Um Mongul Cu-Mo-Au prospect in the Eastern Desert of Egypt: From a mid-Cryogenian continental arc to Ediacaran post-collisional appinite-high Ba-Sr monzogranite. <i>Ore Geology Reviews</i> , 2017, 80, 250-266.	1.1	29
52	Evaluation of mineral processing by assessment of liberation and upgrading. <i>Minerals Engineering</i> , 2013, 53, 171-173.	1.8	28
53	Paleoproterozoic sulfur cycling: Multiple sulfur isotope constraints from the Barberton Greenstone Belt, South Africa. <i>Precambrian Research</i> , 2015, 267, 311-322.	1.2	28
54	Genesis of the Carbonate-Hosted Tres Marias Zn-Pb-(Ge) Deposit, Mexico: Constraints from Rb-Sr Sphalerite Geochronology and Pb Isotopes. <i>Economic Geology</i> , 2017, 112, 1075-1088.	1.8	28

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55	Cretaceous Karstic Cave-Fill Manganese-Lead-Barium Deposits of Imini, Morocco. <i>Economic Geology</i> , 2006, 101, 385-405.	1.8	26
56	Correlation of Ordovician diamictites from Argentina and South Africa using detrital zircon dating. <i>Journal of the Geological Society</i> , 2010, 167, 217-220.	0.9	25
57	Efficient and Accurate Identification of Platinum-Group Minerals by a Combination of Mineral Liberation and Electron Probe Microanalysis with a New Approach to the Offline Overlap Correction of Platinum-Group Element Concentrations. <i>Microscopy and Microanalysis</i> , 2015, 21, 1080-1095.	0.2	25
58	Oncoidal granular iron formation in the Mesoarchaeon Pongola Supergroup, southern Africa: Textural and geochemical evidence for biological activity during iron deposition. <i>Geobiology</i> , 2017, 15, 731-749.	1.1	25
59	Quantitative mineralogical analysis of European Kupferschiefer ore. <i>Minerals Engineering</i> , 2018, 115, 21-32.	1.8	25
60	Hydrothermal formation of heavy rare earth element (HREE) xenotime deposits at 100 °C in a sedimentary basin. <i>Geology</i> , 2018, 46, 263-266.	2.0	25
61	The Niederschlag fluorite-(barite) deposit, Erzgebirge/Germany—a fluid inclusion and trace element study. <i>Mineralium Deposita</i> , 2021, 56, 1071-1086.	1.7	25
62	Sulfur isotope characteristics of metamorphosed Zn–Cu volcanogenic massive sulfides in the Areachap Group, Northern Cape Province, South Africa. <i>Mineralium Deposita</i> , 2010, 45, 481-496.	1.7	24
63	Age of ferroan A-type post-tectonic granitoids of the southern part of the Keimoes Suite, Northern Cape Province, South Africa. <i>Journal of African Earth Sciences</i> , 2011, 60, 153-174.	0.9	24
64	Bimodal volcanism at the western margin of the Kaapvaal Craton in the aftermath of collisional events during the Namaqua-Natal Orogeny: The Koras Group, South Africa. <i>Precambrian Research</i> , 2012, 200-203, 163-183.	1.2	24
65	Mineral Mapping and Vein Detection in Hyperspectral Drill-Core Scans: Application to Porphyry-Type Mineralization. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 122.	0.8	24
66	REE redistribution during hydrothermal alteration of ores of the Kalahari Manganese Deposit. <i>Ore Geology Reviews</i> , 2012, 47, 126-135.	1.1	23
67	Karst-hosted fresh-water Paleoproterozoic manganese deposits, Postmasburg, South Africa. <i>Economic Geology</i> , 1996, 91, 1435-1454.	1.8	22
68	Nature and origin of the protolith succession to the Paleoproterozoic Serra do Navio manganese deposit, Amapa Province, Brazil. <i>Ore Geology Reviews</i> , 2012, 47, 59-76.	1.1	22
69	Strategic evaluations and mining process optimization towards a strong global REE supply chain. <i>Journal of Sustainable Mining</i> , 2016, 15, 26-35.	0.1	21
70	Age and genesis of polymetallic veins in the Freiberg district, Erzgebirge, Germany: constraints from radiogenic isotopes. <i>Mineralium Deposita</i> , 2019, 54, 217-236.	1.7	21
71	Timing of supergene enrichment of low-grade sedimentary manganese ores in the Kalahari Manganese Field, South Africa. <i>Ore Geology Reviews</i> , 2012, 47, 136-153.	1.1	20
72	Genesis of hydrothermal silver-antimony-sulfide veins of the Bräunsdorf sector as part of the classic Freiberg silver mining district, Germany. <i>Mineralium Deposita</i> , 2019, 54, 263-280.	1.7	20

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73	Uncertainties in quantitative mineralogical studies using scanning electron microscope-based image analysis. <i>Minerals Engineering</i> , 2021, 167, 106836.	1.8	20
74	Breakup with benefits - hydrothermal mineral systems related to the disintegration of a supercontinent. <i>Earth and Planetary Science Letters</i> , 2022, 580, 117373.	1.8	20
75	Late Paleoproterozoic Mn-rich oncoids: Earliest evidence for microbially mediated Mn precipitation. <i>Geology</i> , 2001, 29, 835.	2.0	19
76	Geochemistry of bedded barite of the Mesoproterozoic Aggeneys-Gamsberg Broken Hill-type district, South Africa. <i>Mineralium Deposita</i> , 2007, 42, 537-549.	1.7	19
77	Sulfur sources of sedimentary "buckshot" pyrite in the Auriferous Conglomerates of the Mesoarchean Witwatersrand and Ventersdorp Supergroups, Kaapvaal Craton, South Africa. <i>Mineralium Deposita</i> , 2014, 49, 751-775.	1.7	19
78	Stochastic Modeling of Multidimensional Particle Properties Using Parametric Copulas. <i>Microscopy and Microanalysis</i> , 2019, 25, 720-734.	0.2	18
79	Drill-Core Mineral Abundance Estimation Using Hyperspectral and High-Resolution Mineralogical Data. <i>Remote Sensing</i> , 2020, 12, 1218.	1.8	18
80	A self-adaptive particle-tracking method for minerals processing. <i>Journal of Cleaner Production</i> , 2021, 279, 123711.	4.6	18
81	Recovery potential of flotation tailings assessed by spatial modelling of automated mineralogy data. <i>Minerals Engineering</i> , 2018, 116, 143-151.	1.8	17
82	Optimal sensor selection for sensor-based sorting based on automated mineralogy data. <i>Journal of Cleaner Production</i> , 2019, 234, 1144-1152.	4.6	17
83	Not all Neoproterozoic iron formations are glaciogenic: Sturtian-aged non-Rapitan exhalative iron formations from the Arabian "Nubian Shield. <i>Mineralium Deposita</i> , 2020, 55, 577-596.	1.7	17
84	Distinguishing Magmatic and Metamorphic Processes in Peralkaline Rocks of the Norra Kärr Complex (Southern Sweden) Using Textural and Compositional Variations of Clinopyroxene and Eudialyte-group Minerals. <i>Journal of Petrology</i> , 2017, 58, 361-384.	1.1	15
85	Spatial and Temporal Evolution of the Freiberg Epithermal Ag-Pb-Zn District, Germany. <i>Economic Geology</i> , 2021, 116, 1649-1667.	1.8	15
86	Red Bed-Hosted Oncolitic Manganese Ore of the Paleoproterozoic Soutpansberg Group, Bronkhorstfontein, South Africa. <i>Economic Geology</i> , 2002, 97, 1151-1166.	1.8	14
87	The Paleoproterozoic carbonate-hosted Pering Zn "Pb deposit, South Africa: I. Styles of brecciation and mineralization. <i>Mineralium Deposita</i> , 2006, 40, 664-685.	1.7	14
88	Sedimentary Provenance of the Neoproterozoic Ventersdorp Supergroup, Southern Africa: Shedding Light on the Evolution of the Kaapvaal Craton during the Neoproterozoic. <i>Journal of Geology</i> , 2011, 119, 575-596.	0.7	14
89	PGE geochemistry of the Fengshan porphyry "skarn Cu "Mo deposit, Hubei Province, Eastern China. <i>Ore Geology Reviews</i> , 2014, 56, 1-12.	1.1	14
90	Leaching of copper from Kupferschiefer by glutamic acid and heterotrophic bacteria. <i>Minerals Engineering</i> , 2015, 75, 38-44.	1.8	14

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91	Distribution of Sb minerals in the Cu and Zn flotation of Rockliden massive sulphide ore in north-central Sweden. <i>Minerals Engineering</i> , 2015, 82, 125-135.	1.8	14
92	PETROGRAPHY, GEOCHEMISTRY AND GEOCHRONOLOGY OF THE METAVOLCANIC ROCKS OF THE MESOPROTEROZOIC LEERKRANS FORMATION, WILGENHOUTSDRIF GROUP, SOUTH AFRICA - BACK-ARC BASIN TO THE AREACHAP VOLCANIC ARC. <i>South African Journal of Geology</i> , 2011, 114, 167-194.	0.6	13
93	Age and primary architecture of the Copperton Zn-Cu VMS deposit, Northern Cape Province, South Africa. <i>Ore Geology Reviews</i> , 2011, 39, 164-179.	1.1	12
94	DEPOSITIONAL ENVIRONMENT AND LITHOSTRATIGRAPHY OF THE PALEOPROTEROZOIC MOOIDRAAI FORMATION, KALAHARI MANGANESE FIELD, SOUTH AFRICA. <i>South African Journal of Geology</i> , 2014, 117, 173-192.	0.6	12
95	ReOs geochronology on sulfides from the Tudun CuNi sulfide deposit, Eastern Tianshan, and its geological significance. <i>International Journal of Earth Sciences</i> , 2015, 104, 2241-2252.	0.9	12
96	New insights into the petrogenesis of the Jameson Range layered intrusion and associated Fe-Ti-P-V-PGE-Au mineralisation, West Musgrave Province, Western Australia. <i>Mineralium Deposita</i> , 2017, 52, 233-255.	1.7	12
97	Timing of magmatic-hydrothermal activity in the Variscan Orogenic Belt: LA-ICP-MS U-Pb geochronology of skarn-related garnet from the Schwarzenberg District, Erzgebirge. <i>Mineralium Deposita</i> , 2022, 57, 1071-1087.	1.7	12
98	Towards a sampling protocol for the resource assessment of critical raw materials in tailings storage facilities. <i>Journal of Geochemical Exploration</i> , 2022, 236, 106974.	1.5	12
99	Mineral chemistry of sphalerite and galena from Pb-Zn mineralization hosted by the Transvaal Supergroup in Griqualand West, South Africa. <i>South African Journal of Geology</i> , 2004, 107, 341-354.	0.6	10
100	Archean seismites of the Ventersdorp Supergroup, South Africa. <i>South African Journal of Geology</i> , 2005, 108, 345-350.	0.6	10
101	Characterisation of graphite by automated mineral liberation analysis. <i>Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy</i> , 2014, 123, 184-189.	0.6	10
102	Variation in Platinum Group Mineral and Base Metal Sulfide Assemblages in the Lower Group Chromitites of the Western Bushveld Complex, South Africa. <i>Canadian Mineralogist</i> , 2018, 56, 723-743.	0.3	10
103	Mineralogy and fluid characteristics of the Waschleithe Zn skarn a distal part of the Schwarzenberg mineral system, Erzgebirge, Germany. <i>Ore Geology Reviews</i> , 2021, 131, 104007.	1.1	10
104	Vertical Zoning in Hydrothermal U-Ag-Bi-Co-Ni-As Systems: A Case Study from the Annaberg-Buchholz District, Erzgebirge (Germany). <i>Economic Geology</i> , 2021, 116, 1893-1915.	1.8	10
105	Computing single-particle flotation kinetics using automated mineralogy data and machine learning. <i>Minerals Engineering</i> , 2021, 170, 107054.	1.8	10
106	The inherent link between ore formation and geometallurgy as documented by complex tin mineralization at the HÄmmerlein deposit (Erzgebirge, Germany). <i>Mineralium Deposita</i> , 2019, 54, 683-698.	1.7	10
107	Geochemical patterns of schists from the Bushmanland Group: An artificial neural networks approach. <i>Journal of Geochemical Exploration</i> , 2006, 91, 81-98.	1.5	9
108	Origin of Cu-Ni-PGE Mineralization at the Manchego Prospect, West Musgrave Province, Western Australia. <i>Economic Geology</i> , 2015, 110, 2063-2085.	1.8	9

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109	Organotemplate silica deposition in Neoproterozoic deep-marine environments: evidence from the Penganga Group, Adilabad, India. <i>Terra Nova</i> , 2004, 16, 338-343.	0.9	8
110	THE MANGANESE FORMATION OF THE NEOPROTEROZOIC PENGANGA GROUP, INDIA—REVISION OF AN ENIGMA—A REPLY. <i>Economic Geology</i> , 2000, 95, 239-240.	1.8	7
111	Carbonic fluid inclusions in Paleoproterozoic carbonate-hosted Zn-Pb deposits in Griqualand West, South Africa. <i>South African Journal of Geology</i> , 2006, 109, 55-62.	0.6	7
112	Geological variations in the Merensky Reef at Bafokeng Rasimone Platinum Mine and its influence on flotation performance. <i>Minerals Engineering</i> , 2013, 52, 155-168.	1.8	7
113	Nature and distribution of PGE mineralisation in gabbroic rocks of the Lusatian Block, Saxony, Germany. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2015, 166, 35-53.	0.1	7
114	Formation of Mississippi Valley—type deposits linked to hydrocarbon generation in extensional tectonic settings: Evidence from the Jabali Zn-Pb-(Ag) deposit (Yemen). <i>Geology</i> , 2015, , G37112.1.	2.0	7
115	Constraining the Economic Potential of By-Product Recovery by Using a Geometallurgical Approach: The Example of Rare Earth Element Recovery at Catalão I, Brazil. <i>Economic Geology</i> , 2019, 114, 1555-1568.	1.8	7
116	The use of assay data as a foundation for a geometallurgical model—The case of the Thaba Chromite Mine, South Africa. <i>Journal of Geochemical Exploration</i> , 2019, 201, 99-112.	1.5	7
117	Timing of native metal-arsenide (Ag-Bi-Co-Ni-As±U) veins in continental rift zones — In situ U-Pb geochronology of carbonates from the Erzgebirge/Krušné hory province. <i>Chemical Geology</i> , 2021, 584, 120476.	1.4	7
118	Organotemplate structures in sedimentary manganese carbonates of the Neoproterozoic Penganga Group, Adilabad, India. <i>Journal of Earth System Science</i> , 2005, 114, 247-257.	0.6	6
119	Monazite geochronology and geothermobarometry in polymetamorphic host rocks of volcanic-hosted massive sulphide mineralizations in the Mesoproterozoic Areachap Terrane, South Africa. <i>Journal of African Earth Sciences</i> , 2015, 111, 258-272.	0.9	6
120	Major and trace element geochemistry of the European Kupferschiefer — an evaluation of analytical techniques. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2018, 18, 132-141.	0.5	6
121	Multivariate geochemical classification of chromitite layers in the Bushveld Complex, South Africa. <i>Applied Geochemistry</i> , 2019, 103, 106-117.	1.4	6
122	Electron Probe Microanalysis of REE in Eudialyte Group Minerals: Challenges and Solutions. <i>Microscopy and Microanalysis</i> , 2015, 21, 1096-1113.	0.2	5
123	Life on a Mesoarchean marine shelf — insights from the world's oldest known granular iron formation. <i>Scientific Reports</i> , 2020, 10, 10519.	1.6	5
124	Fractionation of geochemical twins (Zr/Hf, Nb/Ta and Y/Ho) and HREE-enrichment during magmatic and metamorphic processes in peralkaline nepheline syenites from Norra Kärr (Sweden). <i>Lithos</i> , 2020, 372-373, 105667.	0.6	5
125	Gold and silver deportment in sulfide ores — A case study of the Freiberg epithermal Ag-Pb-Zn district, Germany. <i>Minerals Engineering</i> , 2021, 174, 107235.	1.8	5
126	A NEW CHRONOSTRATIGRAPHIC PARADIGM FOR THE AGE AND TECTONIC HISTORY OF THE MESOPROTEROZOIC BUSHMANLAND ORE DISTRICT, SOUTH AFRICA—A DISCUSSION. <i>Economic Geology</i> , 2009, 104, 1277-1281.	1.8	4

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127	Rare Earth Underground Mining Approaches with Respect to Radioactivity Control and Monitoring Strategies. , 2016, , 121-138.		4
128	Cues to Greater Recycling Efficiency - Characterization of a Crushed Mobile Phone by Mineral Liberation Analysis (MLA). Materials Science Forum, 0, 959, 134-141.	0.3	4
129	Li-Coâ€“Ni-Mn-(REE) veins of the Western Erzgebirge, Germanyâ€“a potential source of battery raw materials. Mineralium Deposita, 2021, 56, 1223-1238.	1.7	4
130	The Vergenoeg: Gauteng Province, South Africa Fluorite Mine. Rocks and Minerals, 2008, 83, 410-421.	0.0	3
131	PROVENANCE OF THE NEOPROTEROZOIC ROCKS OF THE GIFBERG GROUP (WESTERN SOUTH AFRICA). South African Journal of Geology, 2014, 117, 45-66.	0.6	3
132	The Raw Material Requirements for Energy Systems. , 2019, , 145-168.		3
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