Anna B Pietranik

List of Publications by Year
in descending order

33	1,485	471509 17	434195 31
papers	citations	h-index	g-index

33	33	33	1608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The generation and evolution of the continental crust. Journal of the Geological Society, 2010, 167, 229-248.	2.1	650
2	Episodic, mafic crust formation from 4.5 to 2.8 Ga: New evidence from detrital zircons, Slave craton, Canada. Geology, 2008, 36, 875.	4.4	143
3	Environmental impact of the historical Cu smelting in the Rudawy Janowickie Mountains (south-western Poland). Journal of Geochemical Exploration, 2013, 124, 183-194.	3.2	99
4	Extensive weathering of zinc smelting slag in a heap in Upper Silesia (Poland): Potential environmental risks posed by mechanical disturbance of slag deposits. Applied Geochemistry, 2014, 40, 70-81.	3.0	50
5	MINERALOGY AND COMPOSITION OF HISTORICAL Cu SLAGS FROM THE RUDAWY JANOWICKIE MOUNTAINS, SOUTHWESTERN POLAND. Canadian Mineralogist, 2011, 49, 1281-1296.	1.0	46
6	Ultramafic geoecosystems as a natural source of Ni, Cr, and Co to the environment: A review. Science of the Total Environment, 2021, 755, 142620.	8.0	46
7	Crystallization and resorption in plutonic plagioclase: Implications on the evolution of granodiorite magma (GÄ™siniec granodiorite, Strzelin Crystalline Massif, SW Poland). Lithos, 2006, 86, 260-280.	1.4	44
8	Interactions between dioritic and granodioritic magmas in mingling zones: plagioclase record of mixing, mingling and subsolidus interactions in the GÄ™siniec Intrusion, NE Bohemian Massif, SW Poland. Contributions To Mineralogy and Petrology, 2009, 158, 17-36.	3.1	34
9	Mineralogical, geochemical, and leaching study of historical Cu-slags issued from processing of the Zechstein formation (Old Copper Basin, southwestern Poland). Applied Geochemistry, 2018, 98, 22-35.	3.0	34
10	Anthropogenic and lithogenic sources of lead in Lower Silesia (Southwest Poland): An isotope study of soils, basement rocks and anthropogenic materials. Applied Geochemistry, 2012, 27, 1089-1100.	3.0	33
11	Processes and Sources during Late Variscan Dioriticâ€“Tonalitic Magmatism: Insights from Plagioclase Chemistry (GÄ™siniec Intrusion, NE Bohemian Massif, Poland). Journal of Petrology, 2008, 49, 1619-1645.	2.8	32
12	Cadmium distribution in Pb-Zn slags from Upper Silesia, Poland: Implications for cadmium mobility from slag phases to the environment. Journal of Geochemical Exploration, 2018, 186, 215-224.	3.2	27
13	Plagioclase transfer from a host granodiorite to mafic microgranular enclaves: diverse records of magma mixing. Mineralogy and Petrology, 2014, 108, 681-694.	1.1	26
14	Heterogeneous Zircon Cargo in Voluminous Late Paleozoic Rhyolites: Hf, O Isotope and Zr/Hf Records of Plutonic to Volcanic Magma Evolution. Journal of Petrology, 2013, 54, 1483-1501.	2.8	25
15	Crystallization of quartz dioritic magmas at 2 and 1Âkbar: experimental results. Mineralogy and Petrology, 2009, 97, 1-21.	1.1	23
16	Lead isotopes and heavy minerals analyzed as tools to understand the distribution of lead and other potentially toxic elements in soils contaminated by Cu smelting (Legnica, Poland). Environmental Science and Pollution Research, 2016, 23, 24350-24363.	5.3	22
17	Sources of pollution and distribution of Pb, Cd and Hg in WrocÅ‚aw soils: Insight from chemical and Pb isotope composition. Chemie Der Erde, 2019, 79, 434-445.	2.0	22
18	Provenance and paleoenvironmental context of the Late Pleistocene thin aeolian silt mantles in southwestern Poland â€“ A widespread parent material for soils. Catena, 2021, 204, 105377.	5.0	19

#	Article	IF	Citations
19	Towards better reconstruction of smelting temperatures: Methodological review and the case of historical K-rich Cu-slags from the Old Copper Basin, Poland. Journal of Archaeological Science, 2020, 118, 105142.	2.4	17
20	Understanding Heterogeneity of a Slag-Derived Weathered Material: The Role of Automated SEM-EDS Analyses. Minerals (Basel, Switzerland), 2018, 8, 513.	2.0	15
21	Zircon record of fractionation, hydrous partial melting and thermal gradients at different depths in oceanic crust (ODP Site 735B, South-West Indian Ocean). Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	12
22	Experimental simulations of Zn Pb slag weathering and its impact on the environment: Effects of acid rain, soil solution, and microbial activity. Journal of Geochemical Exploration, 2021, 228, 106808.	3.2	10
23	Decoding whole rock, plagioclase, zircon and apatite isotopic and geochemical signatures from variably contaminated dioritic magmas. Lithos, 2011, 127, 455-467.	1.4	9
24	Contrasting sources of Late Paleozoic rhyolite magma in the Polish Lowlands: evidence from Uâ€“Pb ages and Hf and O isotope composition in zircon. International Journal of Earth Sciences, 2018, 107, 2065-2081.	1.8	8
25	Crustal lithology vs. thermal state and Moho heat flow across the NE part of the European Variscan orogen: a case study from SW Poland. International Journal of Earth Sciences, 2019, 108, 673-692.	1.8	8
26	Evolution of the Lower Permian Rochlitz volcanic system, Eastern Germany: reconstruction of an intra-continental supereruption. International Journal of Earth Sciences, 2021, 110, 1995-2020.	1.8	8
27	Formation of a laccolith by magma pulses: Evidence from modal and chemical composition of the 500 m long borehole section through the Permo-Carboniferous Landsberg laccolith (Halle Volcanic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	7
28	The Niemcza diorites and moznodiorites (Sudetes, SW Poland): a record of changing geotectonic setting at ca. 340 Ma.. Geological Quarterly, 2013, 57, .	0.2	6
29	Rhyolite magma evolution recorded in isotope and trace element composition of zircon from Halle Volcanic Complex. Lithos, 2016, 248-251, 402-417.	1.4	5
30	Towards Identification of Zircon Populations in Permo-Carboniferous Rhyolites of Central Europe: Insight from Automated SEM-Mineral Liberation Analyses. Minerals (Basel, Switzerland), 2020, 10, 308.	2.0	2
31	Cerium and Ytrium in apatite as records of magmatic processes: Insight into fractional crystallization, magma mingling and fluid saturation. Chemie Der Erde, 2022, 82, 125864.	2.0	2
32	Charakterystyka mineralogiczna faz metalicznych z miedziowych Å¼uÅ¼li hutniczych Starego ZagÅ‚Ä™bia Miedziowego. Przeglad Geologiczny, 2018, 67, 164-166.	0.1	1
33	Two-mica andalusite-bearing granite with no primary muscovite: constraints on the origin of post-magmatic muscovite in two-mica granites. Geoscience Records, 2016, 3, 7-17.	0.0	0