Magdalena Wdowin

List of Publications by Year
in descending order

38	1,456	394421 19	330143 37
papers	citations	h-index	g-index

40	40	40	1558
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of the fly ash fraction after grinding process on the hydrothermal synthesis efficiency of Na-A, Na-P1, Na-X and sodalite zeolite types. International Journal of Coal Science and Technology, 2021, 8, 291-311.	6.0	30
2	Analysis of solid sorbents for control and removal processes for elemental mercury from gas streams: a review. International Journal of Coal Science and Technology, 2021, 8, 23-46.	6.0	10
3	Economic and environmental assessment of the use of electric cars in Poland. Polityka Energetyczna, 2021, 24, 153-168.	1.3	6
4	Preparation of coal fly ash derived metal organic frameworks and their carbon derivatives. Materials Today Communications, 2021, 27, 102433.	1.9	10
5	The contents of the potentially harmful elements in the arable soils of southern Poland, with the assessment of ecological and health risks: a case study. Environmental Geochemistry and Health, 2020, 42, 419-442.	3.4	25
6	Statistical study and physicochemical characterization of particulate matter in the context of KrakÃ³w, Poland. Atmospheric Pollution Research, 2020, 11, 520-530.	3.8	3
7	From coal ashes to solid sorbents for hydrogen storage. Journal of Cleaner Production, 2020, 270, 122355.	9.3	25
8	Impact of Fly Ash Fractionation on the Zeolitization Process. Materials, 2020, 13, 1035.	2.9	15
9	Synthesis of activated carbon from high-carbon coal fly ash and its hydrogen storage application. Renewable Energy, 2020, 155, 1264-1271.	8.9	35
10	Economic profitability analysis of the use of zeolite sorbents in mercury removal technologies. Polityka Energetyczna, 2020, 23, 103-118.	1.3	1
11	Analysis of selected mineral and waste sorbents for the capture of elemental mercury from exhaust gases. Mineralogia, 2020, 51, 17-35.	0.8	2
12	Environmental analysis of novel sorbents for mercury sorption. Polityka Energetyczna, 2020, 23, 119-134.	1.3	1
13	Synthetic zeolites as potential sorbents of mercury from wastewater occurring during wet FGD processes of flue gas. Journal of Cleaner Production, 2018, 172, 2636-2645.	9.3	75
14	Synthesis of faujasite (FAU) and tschernichite (LTA) type zeolites as a potential direction of the development of lime Class C fly ash. International Journal of Mineral Processing, 2017, 166, 69-78.	2.6	46
15	Waste dolomite powder as an adsorbent of Cd, Pb(II), and Zn from aqueous solutions. Environmental Earth Sciences, 2017, 76, 1.	2.7	39
16	Fly ash-derived MCM-41 as a low-cost silica support for polyethyleneimine in post-combustion CO2 capture. Journal of CO2 Utilization, 2017, 22, 81-90.	6.8	80
17	Changes in the Textural Parameters of Fly Ash-Derived Na-P1 Zeolite During Compaction Processes. Mineralogia, 2017, 48, 3-22.	0.8	7
18	Utilization of sewage sludge in the manufacture of lightweight aggregate. Environmental Monitoring and Assessment, 2016, 188, 10.	2.7	66

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19	Surowiec kaolinowy jako potencjalny materiaÅ, do syntezy zeolitu typu A. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2015, 31, 45-58.	0.2	1
20	SEM Investigation of Microstructures in Hydration Products of Portland Cement. Springer Proceedings in Physics, 2015, , 105-112.	0.2	55
21	Investigation of the sorption of mercury vapour from exhaust gas by an Ag-X zeolite. Clay Minerals, 2015, 50, 31-40.	0.6	38
22	Coal fly ash as a resource for rare earth elements. Environmental Science and Pollution Research, 2015, 22, 9464-9474.	5.3	264
23	Modeling gasâ€“rockâ€“water interactions in carbon dioxide storage capacity assessment: a case study of Jurassic sandstones in Poland. International Journal of Environmental Science and Technology, 2015, 12, 2493-2502.	3.5	18
24	Petrophysical examination of CO2-brine-rock interactionsâ€”results of the first stage of long-term experiments in the potential Zaosie Anticline reservoir (central Poland) for CO2 storage. Environmental Monitoring and Assessment, 2015, 187, 4215.	2.7	24
25	SEM-EDS Observation of Structure Changes in Synthetic Zeolites Modified for CO2 Capture Needs. Springer Proceedings in Physics, 2015, , 97-103.	0.2	0
26	An analysis of the chemistry, mineralogy and texture of waste dolomite powder used to identify its potential application in industry. Geology Geophysics & Environment, 2015, 41, 343.	1.0	7
27	The Use of Scanning Electron Microscopy to Identify Zeolite Minerals. Springer Proceedings in Physics, 2014, , 45-50.	0.2	2
28	Supplementary Studies of Textural and Mineralogical Changes in Reservoir and Caprocks from Selected Potential Sites Suitable for Underground CO2 Storage. Arabian Journal for Science and Engineering, 2014, 39, 295-309.	1.1	15
29	The conversion technology of fly ash into zeolites. Clean Technologies and Environmental Policy, 2014, 16, 1217-1223.	4.1	183
30	Synthesis and characterization of zeolites prepared from industrial fly ash. Environmental Monitoring and Assessment, 2014, 186, 5721-5729.	2.7	178
31	Experimental study of mercury removal from exhaust gases. Fuel, 2014, 128, 451-457.	6.4	88
32	Determination of changes in the reservoir and cap rocks of the Chabowo Anticline caused by CO2â€“brineâ€“rock interactions. International Journal of Coal Geology, 2014, 130, 79-88.	5.0	37
33	Characteristics and distribution of analyzed metals in soil profiles in the vicinity of a postflotation waste site in the Bukowno region, Poland. Environmental Monitoring and Assessment, 2013, 185, 8157-8168.	2.7	26
34	Petrographic-mineralogical and textural changes in reservoir and sealing rocks (Zaosie anticline) as a result of a long-term experiment in CO2-brine-rock interactions. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2013, 29, .	0.2	3
35	Charakterystyka mineralogiczno-chemiczna i teksturalna odpadÃ³w poflotacyjnych z przemysÅ‚u Zn-Pb pod kÄ…tem dalszych rozwaÅ¼aÅ„ wykorzystania ich jako sorbentÃ³w. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2012, 28, 55-69.	0.2	5
36	Petrophysical and Mineralogical Research on the Influence of CO₂Injection on Mesozoic Reservoir and Caprocks from the Polish Lowlands. Oil and Gas Science and Technology, 2011, 66, 137-150.	1.4	20

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37	Results of mineralogic-petrographical studies and numerical modeling of water-rock- CO2 system of the potential storage site within the Belchatow area (Poland). Energy Procedia, 2011, 4, 3450-3456.	1.8	11
38	Fly Ash Derived Zeolites in the Removal of Toxic Compounds. , 0, , .		1