Tadeusz Magiera

List of Publications by Citations

54 papers	1,612 citations	21 h-index	39 g-index
55 ext. papers	1,766 ext. citations	5 avg, IF	4.8 L-index

#	Paper	IF	Citations
54	Discrimination of lithogenic and anthropogenic influences on topsoil magnetic susceptibility in Central Europe. *Geoderma*, **2006**, 130, 299-311	6.7	142
53	Morphological and mineralogical forms of technogenic magnetic particles in industrial dusts. *Atmospheric Environment*, **2011**, 45, 4281-4290	5.3	127
52	Magnetic record of industrial pollution in forest soils of Upper Silesia, Poland. *Journal of Geophysical Research*, **1998**, 103, 17767-17774		119
51	Magnetic susceptibility and heavy metals contamination in soils of Southern Poland. *Physics and Chemistry of the Earth*, **1998**, 23, 1127-1131		100
50	The influence of industrial immissions on the magnetic susceptibility of soils in upper Silesia. *Studia Geophysica Et Geodaetica*, **1996**, 40, 276-286	0.7	97
49	Identification of magnetic particulates in road dust accumulated on roadside snow using magnetic, geochemical and micro-morphological analyses. *Environmental Pollution*, **2011**, 159, 1266-76	9.3	86
48	Coke industry and steel metallurgy as the source of soil contamination by technogenic magnetic particles, heavy metals and polycyclic aromatic hydrocarbons. *Chemosphere*, **2015**, 138, 863-73	8.4	74
47	Mapping particulate pollution loads using soil magnetometry in urban forests in the Upper Silesia Industrial Region, Poland. *Forest Ecology and Management*, **2007**, 248, 36-42	3.9	70
46	Magnetic, Geochemical, and Microstructural Characteristics of Road Dust on Roadsides with Different Traffic Volumes□Case Study from Finland. *Water, Air, and Soil Pollution*, **2010**, 209, 295-306	2.6	60
45	Ferrimagnetic Minerals of Anthropogenic Origin in Soils of Some Polish National Parks. *Water, Air, and Soil Pollution*, **2000**, 124, 37-48	2.6	48
44	Application of magnetic susceptibility in assessment of heavy metal contamination of Saxonian soil (Germany) caused by industrial dust deposition. *Geoderma*, **2017**, 295, 10-21	6.7	45
43	Magnetic characteristics of industrial dust from different sources of emission: A case study of Poland. *Journal of Applied Geophysics*, **2015**, 116, 84-92	1.7	40
42	Using of high-resolution topsoil magnetic screening for assessment of dust deposition: comparison of forest and arable soil datasets. *Environmental Monitoring and Assessment*, **2007**, 125, 19-28	3.1	38
41	Traffic-Related Pollutants in Roadside Soils of Different Countries in Europe and Asia. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	37
40	Technogenic Magnetic Particles in Alkaline Dusts from Power and Cement Plants. *Water, Air, and Soil Pollution*, **2013**, 224, 1389	2.6	37
39	Combination of geo- pedo- and technogenic magnetic and geochemical signals in soil profiles - Diversification and its interpretation: A new approach. *Environmental Pollution*, **2016**, 214, 464-477	9.3	37
38	Magnetic anomalies of forest soils in the Upper Silesia-Northern Moravia region. *Environmental Pollution*, **2008**, 156, 618-27	9.3	33

37	Spatial variation of soil magnetic susceptibility in relation to different emission sources in southern Poland. *Geoderma*, **2015**, 255-256, 94-103	6.7	28
36	Magnetometric assessment of soil contamination in problematic area using empirical Bayesian and indicator kriging: A case study in Upper Silesia, Poland. *Geoderma*, **2017**, 308, 69-77	6.7	28
35	Record of industrial pollution in polish ombrotrophic peat bogs. *Physics and Chemistry of the Earth*, **2001**, 26, 859-866		28
34	Impact of artifacts on topsoil magnetic susceptibility enhancement in urban parks of the Upper Silesian conurbation datasets. *Journal of Soils and Sediments*, **2015**, 15, 1836-1846	3.4	25
33	Geostatistical 3-dimensional integration of measurements of soil magnetic susceptibility. *Environmental Monitoring and Assessment*, **2012**, 184, 3267-78	3.1	21
32	Impact of an iron mine and a nickel smelter at the Norwegian/Russian border close to the Barents Sea on surface soil magnetic susceptibility and content of potentially toxic elements. *Chemosphere*, **2018**, 195, 48-62	8.4	20
31	Geostatistical evaluation of magnetic indicators of forest soil contamination with heavy metals. *Studia Geophysica Et Geodaetica*, **2009**, 53, 133-149	0.7	19
30	Study of litter influence on magnetic susceptibility measurements of urban forest topsoils using the MS2D sensor. *Environmental Earth Sciences*, **2010**, 61, 223-230	2.9	18
29	Geostatistical discrimination between different sources of soil pollutants using a magneto-geochemical data set. *Chemosphere*, **2016**, 164, 668-676	8.4	17
28	Background value of magnetic susceptibility in forest topsoil: Assessment on the basis of studies conducted in forest preserves of Poland. *Geoderma*, **2016**, 264, 140-149	6.7	17
27	Characteristics of current roadside pollution using test-monitoring plots. *Science of the Total Environment*, **2015**, 505, 795-804	10.2	17
26	Technogenic magnetic particles in soils as evidence of historical mining and smelting activity: A case of the Brynica River Valley, Poland. *Science of the Total Environment*, **2016**, 566-567, 536-551	10.2	16
25	Geostatistical Microscale Study of Magnetic Susceptibility in Soil Profile and Magnetic Indicators of Potential Soil Pollution. *Water, Air, and Soil Pollution*, **2015**, 226, 142	2.6	15
24	Study of forest soils on an area of magnetic and geochemical anomaly in north-eastern Poland. *Geoderma*, **2011**, 160, 559-568	6.7	15
23	Efficiency of stepwise magnetic-chemical site assessment for fly ash derived heavy metal pollution. *Geophysical Journal International*, **2015**, 203, 767-775	2.6	13
22	A methodology of integration of magnetometric and geochemical soil contamination measurements. *Geoderma*, **2016**, 277, 51-60	6.7	13
21	Integration of soil magnetometry and geochemistry for assessment of human health risk from metallurgical slag dumps. *Environmental Science and Pollution Research*, **2017**, 24, 26410-26423	5.1	11
20	The influence of the wind direction and plants on the variability of topsoil magnetic susceptibility in industrial and urban areas of southern Poland. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	11

19	Seasonal Changes of Magnetic Susceptibility in Sediments from Lake Zywiec (South Poland). *Water, Air, and Soil Pollution*, **2002**, 141, 55-71	2.6	9
18	Application of magnetometry to assess distribution of dust pollution in topsoil of under-crown area of Norway spruce (Picea abies Karst.) and European beech (Fagus sylvatica L.). *Catena*, **2017**, 150, 246-255	5.8	8
17	Iron-containing phases in metallurgical and coke dusts as well as in bog iron ore. *Nukleonika*, **2017**, 62, 187-195	1	8
16	Towards magnetometric characterization of soil pollution with rare-earth elements in industrial areas of Upper Silesian Industrial Area, Southern Poland. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	7
15	Micro-scale spatial correlation of magnetic susceptibility in soil profile in forest located in an industrial area. *Geoderma*, **2015**, 249-250, 61-68	6.7	7
14	Integrated geophysical and geochemical methods applied for recognition of acid waste drainage (AWD) from Zn-Pb post-flotation tailing pile (Olkusz, southern Poland). *Environmental Science and Pollution Research*, **2020**, 27, 16731-16744	5.1	7
13	Magnetic susceptibility as indicator of anthropogenic disturbances in forest topsoil: A review of magnetic studies carried out in Central European forests. *Ecological Indicators*, **2019**, 106, 105518	5.8	7
12	Combination of different geophysical techniques for the location of historical waste in the Izery Mountains (SW Poland). *Science of the Total Environment*, **2019**, 682, 226-238	10.2	6
11	Toward a Cost-Efficient Method for Monitoring of Traffic-Derived Pollutants with Quartz Sand Boxes. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	6
10	Characterization of magnetic particulates in urban and industrial dusts **2010**,		6
9	Peat bogs as archives of local ore mining and smelting activities over the centuries: A case study of Miasteczko [illegible]kie (Upper Silesia, Poland). *Catena*, **2021**, 198, 105063	5.8	6
8	Monitoring-based discrimination of pathways of traffic-derived pollutants. *Studia Geophysica Et Geodaetica*, **2015**, 59, 594-613	0.7	3
7	Integrated Magnetic Analyses for the Discrimination of Urban and Industrial Dusts. *Minerals (Basel, Switzerland)*, **2020**, 10, 1056	2.4	3
6	Radiocarbon and lead-210 age-depth model and trace elements concentration in the Wolbrom fen (S Poland). *Geochronometria*, **2017**, 44, 40-48	1	2
5	Technogenic magnetic particles from steel metallurgy and iron mining in topsoil: Indicative characteristic by magnetic parameters and M[illegible]sbauer spectra. *Science of the Total Environment*, **2021**, 775, 145605	10.2	2
4	Technogenic magnetic particles of topsoil from different sources of emission - A case study from upper silesian conurbation, Poland. *MATEC Web of Conferences*, **2018**, 247, 00051	0.3	2
3	Geochemical characteristics of solid particles deposited on experimental plots established for traffic pollution monitoring in different countries. *Chemosphere*, **2020**, 260, 127575	8.4	1
2	Assessment of elements mobility in anthropogenic layer of historical wastes related to glass production in Izera Mountains (SW Poland). *Science of the Total Environment*, **2020**, 735, 139526	10.2	0

1	Application of different geophysical techniques to study Technosol developed on metallurgical wastes. *Land Degradation and Development*, **2021**, 32, 1927-1937	4.4	0