Maciej J Mendecki

List of Publications by Year
in descending order

37	314	933264 10	940416 16
papers	citations	h-index	g-index

39	39	39	299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An attempt to dendroclimatic reconstruction of winter temperature based on multispecies tree-ring widths and extreme years chronologies (example of Upper Silesia, Southern Poland). Theoretical and Applied Climatology, 2014, 115, 73-89.	1.3	29
2	Determination of Destress Blasting Effectiveness Using Seismic Source Parameters. Rock Mechanics and Rock Engineering, 2017, 50, 3233-3244.	2.6	24
3	An attempt to determine the seismic moment tensor of tremors induced by destress blasting in a coal seam. International Journal of Rock Mechanics and Minings Sciences, 2016, 83, 162-169.	2.6	22
4	Relict landslide development as inferred from speleothem deformation, tectonic data, and geoelectrics. Geomorphology, 2019, 330, 116-128.	1.1	21
5	100 Years of earthquakes in the Pamir region as recorded in juniper wood: A case study of Tajikistan. Journal of Asian Earth Sciences, 2017, 138, 173-185.	1.0	19
6	Application of electrical resistivity imaging (ERI) for the assessment of peat properties: a case study of the CaÅ‚owanie Fen, Central Poland. Acta Geophysica, 2017, 65, 223-235.	1.0	16
7	Rainwater-induced migration of potentially toxic elements from a Znâ€“Pb slag dump in Ruda ÅšlÄ…ska in light of mineralogical, geochemical and geophysical investigations. Applied Geochemistry, 2019, 109, 104396.	1.4	15
8	Case Studies of Seismic Energy Release Ahead of Underground Coal Mining Before Strong Tremors. Pure and Applied Geophysics, 2019, 176, 3487-3508.	0.8	13
9	Physical constraints on speleothem deformations caused by earthquakes, seen from a new perspective: Implications for paleoseismology. Journal of Structural Geology, 2019, 126, 146-155.	1.0	12
10	Mining-triggered seismicity governed by a fold hinge zone: The Upper Silesian Coal Basin, Poland. Engineering Geology, 2020, 274, 105728.	2.9	12
11	Geophysical Evaluation of Effectiveness of Blasting for Roof Caving During Longwall Mining of Coal Seam. Pure and Applied Geophysics, 2020, 177, 905-917.	0.8	11
12	Damaged Speleothems and Collapsed Karst Chambers Indicate Paleoseismicity of the NE Bohemian Massif (NiedÅºwiedzia Cave, Poland). Tectonics, 2021, 40, e2020TC006459.	1.3	11
13	Ground-motion prediction equations for induced seismicity in the main anticline and main syncline, Upper Silesian Coal Basin, Poland. Acta Geophysica, 2012, 60, 410-425.	1.0	10
14	The influence of distant coal seam edges on seismic hazard during longwall mining. Journal of Seismology, 2021, 25, 283-299.	0.6	10
15	Evaluation of Destress Blasting Effectiveness Using the Seismic Moment Tensor Inversion and Seismic Effect Methods. International Journal of Geomechanics, 2022, 22, .	1.3	10
16	Geophysical and petrological studies of the former lead smelting waste dump in SÅ‚awkÃ³w, Poland. Journal of Applied Geophysics, 2020, 179, 104080.	0.9	9
17	Determination of the resonance frequency â€“ thickness relation based on the ambient seismic noise records from Upper Silesia Coal Basin. Contemporary Trends in Geoscience, 2014, 3, 41-51.	0.5	9
18	The utility of rock-bolts as long electrodes for underground ERT surveys in mine settings. Journal of Applied Geophysics, 2018, 155, 122-130.	0.9	8

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19	Quaternary faulting in the Western Carpathians: Insights into paleoseismology from cave deformations and damaged speleothems (DemÃnovÃ¡ Cave System, Low Tatra Mts). Tectonophysics, 2021, 820, 229111.	0.9	7
20	Application of Seismic Parameters for Estimation of Destress Blasting Effectiveness. Procedia Engineering, 2017, 191, 750-760.	1.2	6
21	Soft-sediment deformation structures in cave deposits and their possible causes (Kalacka Cave, Tatra) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	5
22	Spatiotemporal analysis of elastic and inelastic deformations in roof-rocks from seismological observations. International Journal of Mining Science and Technology, 2021, 31, 241-251.	4.6	5
23	A rare signature of subglacial outburst floods developed along structural ice weaknesses in the southern sector of the Scandinavian Ice Sheet during the Drenthian Glaciation, S Poland. Geomorphology, 2021, 378, 107593.	1.1	5
24	Ground-motion prediction equation and site effect characterization for the central area of the Main Syncline, Upper Silesia Coal Basin, Poland. Open Geosciences, 2018, 10, 474-483.	0.6	4
25	Application of DOI index to analysis of selected examples of resistivity imaging models in Quaternary sediments. Studia Quaternaria, 2014, 31, 109-114.	0.8	3
26	The seismic source parameters of tremors provoked by destress blastings in coal seam. Journal of Mining Science, 2016, 52, 258-264.	0.1	3
27	The Seismic Source Parameters of Tremors Provoked by Long-Hole Destress Blasting Executed During the Longwall Mining of a Coal Seam Under Variable Stress Conditions. Pure and Applied Geophysics, 2020, 177, 5723-5739.	0.8	3
28	Seismic and Geodetic Observations of Subsidence Trough Development Over a Longwall Face in a Coal Bed Under Extraction. GeoPlanet: Earth and Planetary Sciences, 2011, , 71-79.	0.2	3
29	Comparison of site effect values obtained by HVSR and HVSRN methods for single-station measurements in TarnÃ³wek, South-Western Poland.. Contemporary Trends in Geoscience, 2016, 5, 18-27.	0.5	2
30	Permafrost prospecting and geological structure of Babia GÃ³ra in the light of the electroresistivity imaging method. Przeglad Geograficzny, 2016, 88, 31-51.	0.2	2
31	Application of passive seismic to shallow geological structures in urban areas. Studia Quaternaria, 2014, 31, 115-122.	0.8	1
32	Application of Multichannel Analysis of Surface Waves to S-Phase Wave Anisotropy Estimation. Acta Geophysica, 2016, 64, 1593-1604.	1.0	1
33	Determination of Elastic Parameters of Near-Surface Layers Over Subsidence Trough Development During Longwall Exploitation. Archives of Mining Sciences, 2017, 62, 705-716.	0.6	1
34	Ground-motion prediction models evoked by seismicity in the Upper Silesia Coal Basin, Poland, the review with case studies. Geophysical Journal International, 2020, 224, 1381-1403.	1.0	1
35	Preliminary results of fractal analysis of the poligonal survey from cave: case study of MaÅ‚oÅ‚Ä…czniak area (Tatra Mts.). Contemporary Trends in Geoscience, 2013, 2, 95-100.	0.5	0
36	The use of geoelectrical method in preliminary investigation of the Fredro Familys iron mine adit in the village of Cisna, the Bieszczady Mountains, SE Poland. Acta Geodynamica Et Geomaterialia, 2015, , 159-165.	0.3	0

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37	The application of electromagnetic methods forÂpolymetallic prospecting in mining conditions. Geology Geophysics & Environment, 2017, 43, 181.	1.0	0