Tivadar M TÃ³th

List of Publications by Year
in descending order

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59	535	687220	752573
papers	citations	13 h-index	20 g-index

61	61	61	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geochemical and microtextural properties of veins in a potential high-level radioactive waste disposal site. Journal of Structural Geology, 2022, 154, 104490.	1.0	4
2	Lithology-Controlled Hydrodynamic Behaviour of a Fractured Sandstoneâ€“Claystone Body in a Radioactive Waste Repository Site, SW Hungary. Applied Sciences (Switzerland), 2022, 12, 2528.	1.3	3
3	Discrete fracture network (DFN) modelling of a high-level radioactive waste repository host rock and the effects on its hydrogeological behaviour. Journal of Structural Geology, 2022, 156, 104556.	1.0	9
4	Contrasting metamorphic and post-metamorphic evolutions within the AlgyÅ‘ basement high (Tisza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 91-112.	0.4	2
5	Classification of minerals and the assessment of lithium and beryllium content in granitoid rocks by laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2021, 36, 813-823.	1.6	20
6	Archaeometrical results related to Neolithic amphibolite stone implements from Northeast Hungary. Journal of Archaeological Science: Reports, 2020, 32, 102437.	0.2	0
7	Effect of nasal airway nonlinearities on oscillometric resistance measurements in infants. Journal of Applied Physiology, 2020, 129, 591-598.	1.2	3
8	Localisation of Ancient Migration Pathways inside a Fractured Metamorphic Hydrocarbon Reservoir in South-East Hungary. Applied Sciences (Switzerland), 2020, 10, 7321.	1.3	1
9	Lithologically controlled behaviour of the Dorozsma metamorphic hydrocarbon reservoir (Pannonian Basin, SE Hungary). Journal of Petroleum Science and Engineering, 2020, 195, 107748.	2.1	6
10	Shear strain and volume change associated with sigmoidal vein arrays in the Boda Claystone. Journal of Structural Geology, 2020, 138, 104105.	1.0	9
11	Potential formation mechanisms of early diagenetic displacive veins in the Permian Boda Claystone Formation. Journal of Structural Geology, 2020, 138, 104098.	1.0	9
12	Bio-mining of Lanthanides from Red Mud by Green Microalgae. Molecules, 2019, 24, 1356.	1.7	24
13	Mineralogical and Geochemical Constraints of the REE Accumulation in the AlmÃ¡sfÃ¼zitÅ‘ Red Mud Depository in Northwest Hungary. Applied Sciences (Switzerland), 2019, 9, 3654.	1.3	10
14	Hybrid numerical modelling of fluid and heat transport between the overpressured and gravitational flow systems of the Pannonian Basin. Geothermics, 2018, 72, 268-276.	1.5	9
15	Metamorphic and deformation history of the Mecsekalja Zone around the SzentlÅ‘rinc-1 well using individual quartz grains from drilling chips. Central European Geology, 2018, 61, 85-108.	0.4	0
16	Fracture network characterization using 1D and 2D data of the MÃ³rÃ¡gy Granite body, southern Hungary. Journal of Structural Geology, 2018, 113, 176-187.	1.0	12
17	CHARACTERIZATION AND DFN MODELLING OF THE FRACTURE NETWORK IN A MESOZOIC KARST RESERVOIR: GOMBA OILFIELD, PALEOGENE BASIN, CENTRAL HUNGARY. Journal of Petroleum Geology, 2017, 40, 319-334.	0.9	19
18	Integrated evaluation of urban groundwater hydrogeochemistry in context of fractal behaviour of groundwater level fluctuations. Hydrological Sciences Journal, 2017, 62, 1216-1229.	1.2	2

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19	Palaeofluid evolution in a fractured basalt hosted reservoir in the ÃœllÃ©s-Ruzsa-BordÃ¡ny area, southern sector of the Pannonian Basin. Geologia Croatica, 2016, 69, 281-293.	0.3	3
20	Petrology and paleokarst features of the Gomba hydrocarbon reservoir (central Hungary). Central European Geology, 2016, 59, 28-59.	0.4	6
21	Evaluation and optimization of multi-lateral wells using MODFLOW unstructured grids. Open Geosciences, 2016, 8, .	0.6	6
22	Localisation of ductile and brittle shear zones along the SzentlÅ‘rinc-1 well in the Mecsekalja Zone using quartz microstructural and well-log data. Acta Geodaetica Et Geophysica, 2016, 51, 295-314.	0.7	2
23	New geothermal well-completion and rework technology by laser. Central European Geology, 2015, 58, 88-99.	0.4	5
24	Structural controls on petroleum migration and entrapment within the faulted basement blocks of Szeghalom Dome (Pannonian Basin, SE Hungary). Geologia Croatica, 2015, 68, .	0.3	7
25	Modeling microfracture geometry to the asses the function of a karst system (VÃ¡fÅ‘ spring catchment) Tj ETQq1 1 0.784314 rgBT /Ove	0.3	4
26	Terrestrial radioisotopes as paleoenvironmental proxies in sedimentary formations. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 289-293.	0.7	7
27	Integrated petrographic â€“ rock mechanic borecorestudy from the metamorphic basement of thePannonian Basin, Hungary. Open Geosciences, 2015, 7, .	0.6	4
28	ENVIRONMENTAL RISKS OF WASTE THERMAL WATER DISPOSAL: LONG-TERM EFFECTS OF THERMAL WATER SEEPAGE ON DIFFERENT SOIL TYPES. Environmental Engineering and Management Journal, 2015, 14, 1217-1229.	0.2	3
29	Modellezett vÃ¡ltÃ©s talajszerkezetre gyakorolt hatÃ¡sÃ¡nak komputertomogrÃ¡fiÃ¡s vizsgÃ¡lata. Agrokemia Es Talajtan, 2015, 64, 13-27.	0.1	0
30	Statistical characterization of brittle and semi-brittle fault rocks: a clast geometry approach. Acta Geodaetica Et Geophysica, 2014, 49, 527-550.	0.7	6
31	Geochemistry of the GÃ¶rcsÃ¶ny Ridge amphibolites (Tisza Unit, SW Hungary) and its geodynamic consequences. Geologia Croatica, 2014, 67, 17-32.	0.3	3
32	Deformation history reconstruction using single quartz grain Raman microspectroscopy data. Journal of Raman Spectroscopy, 2014, 45, 314-321.	1.2	7
33	Lithology identification using open-hole well-log data in the metamorphic Kiskunhalas-NE hydrocarbon reservoir, South Hungary. Acta Geodaetica Et Geophysica, 2014, 49, 57-78.	0.7	9
34	Integrated core study of a fractured metamorphic HC-reservoir; Kiskunhalas-NE, Pannonian Basin. Acta Geodaetica Et Geophysica, 2013, 48, 53-75.	0.7	6
35	The origin and role of a calcite-filled microcrack generation in a metamorphic crystalline complex: The characterization of a fossilised seismic permeability system. Tectonophysics, 2013, 608, 792-803.	0.9	3
36	The Hydraulic Behavior of a Crack-Seal Vein-Producing Fluid-Rock System. Procedia Earth and Planetary Science, 2013, 7, 187-190.	0.6	1

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37	Petrology and tectonic evolution of the Kiskunhalas-NE fractured hydrocarbon reservoir, South Hungary. Central European Geology, 2012, 55, 1-22.	0.4	6
38	Identification of soil processes caused by the seepage of waste thermal water along a channel in the Great Hungarian Plain. Agrokemia Es Talajtan, 2012, 61, 77-92.	0.1	0
39	Hydrothermal palaeofluid circulation in the fracture network of the Baksa Gneiss Complex of SW Pannonian Basin, Hungary. Geofluids, 2011, 11, 144-165.	0.3	4
40	The relevance of vein texture in understanding the past hydraulic behaviour of a crystalline rock mass: reconstruction of the palaeohydrology of the Mecsekalja Zone, south Hungary. Geofluids, 2011, 11, 309-327.	0.3	7
41	Relationship Between the Geometric Parameters ofÂRock Fractures, the Size of Percolation Clusters andÂREV. Mathematical Geosciences, 2011, 43, 75-97.	1.4	26
42	Geochemical classification of oxidized Mn-ores from ÃšrkÃºt (W Hungary) and its consequences for ore genesis. Central European Geology, 2011, 54, 249-260.	0.4	0
43	Determination of geometric parameters of fracture networks using 1D data. Journal of Structural Geology, 2010, 32, 878-885.	1.0	21
44	Petrology and geodynamical interpretation of mantle xenoliths from Late Cretaceous lamprophyres, VillÃ¡ny Mts (S Hungary). Tectonophysics, 2010, 489, 43-54.	0.9	6
45	Near vein metasomatism along propylitic veins in the Baksa Gneiss Complex, Pannonian Basin, Hungary. Geologia Croatica, 2010, 63, .	0.3	1
46	Paleofluid evolution of the fractured basalt hydrocarbon reservoir in the ÃœllÃ©s-Ruzsa-BordÃ¡ny area, SE Hungary. Central European Geology, 2009, 52, 299-323.	0.4	1
47	GraphClus, a MATLAB program for cluster analysis using graph theory. Computers and Geosciences, 2009, 35, 1205-1213.	2.0	16
48	Crystal chemistry of clinopyroxene and spinel from mantle xenoliths hosted in Late Mesozoic lamprophyres (Villany Mts, S Hungary). Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2008, 185, 1-10.	0.1	14
49	Fluid-inclusion evidence of petroleum migration through a buried metamorphic dome in the Pannonian Basin, Hungary. Chemical Geology, 2007, 244, 357-381.	1.4	41
50	Kyanite eclogite xenolith from the orthogneiss terrane of the Tisza Megaunit, JÃ¡noshalma area, crystalline basement of southern Hungary. Lithos, 2007, 99, 249-265.	0.6	3
51	Origin and geodynamic significance of Upper Cretaceous lamprophyres from the VillÃ¡ny Mts (S) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	21
52	Reconstruction of the paleo-environment and soil evolution of the CsÃpoË•halom kurgan, Hungary. Quaternary International, 2006, 156-157, 49-59.	0.7	31
53	Interpretation of subhorizontal crustal reflections by metamorphic and rheologic effects in the eastern part of the Pannonian Basin. Geophysical Journal International, 2006, 167, 187-203.	1.0	7
54	Petrology and deformation history of the metamorphic basement in the MezÅ‘sas-Furta crystalline high (SE Hungary). Acta Geologica Hungarica, 2006, 49, 165-188.	0.2	7

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55	Stepwise Rock-Eval pyrolysis as a tool for typing heterogeneous organic matter in soils. Journal of Analytical and Applied Pyrolysis, 2005, 74, 45-54.	2.6	37
56	Conceptual fracture network model of the crystalline basement of the Szeghalom Dome (Pannonian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	16
57	Petrology of the metamorphic basement of the Tisza Block at the JÃ¡noshalma High, S Hungary. Acta Geologica Hungarica, 2004, 47, 349-371.	0.2	7
58	Connected fluid evolution in fractured crystalline basement and overlying sediments, Pannonian Basin, SE Hungary. Chemical Geology, 2002, 182, 91-120.	1.4	31
59	Neogene exhumation of the Variscan Szeghalom Dome, Pannonian Basin, E. Hungary. Geological Journal, 2000, 35, 265-284.	0.6	8