

Tivadar M TÃ³th

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7665798/publications.pdf>

Version: 2024-02-01

59
papers

535
citations

687220

13
h-index

752573

20
g-index

61
all docs

61
docs citations

61
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluid-inclusion evidence of petroleum migration through a buried metamorphic dome in the Pannonian Basin, Hungary. <i>Chemical Geology</i> , 2007, 244, 357-381.	1.4	41
2	Stepwise Rock-Eval pyrolysis as a tool for typing heterogeneous organic matter in soils. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 74, 45-54.	2.6	37
3	Connected fluid evolution in fractured crystalline basement and overlying sediments, Pannonian Basin, SE Hungary. <i>Chemical Geology</i> , 2002, 182, 91-120.	1.4	31
4	Reconstruction of the paleo-environment and soil evolution of the CsÁpoË•halom kurgan, Hungary. <i>Quaternary International</i> , 2006, 156-157, 49-59.	0.7	31
5	Relationship Between the Geometric Parameters of Rock Fractures, the Size of Percolation Clusters and AREV. <i>Mathematical Geosciences</i> , 2011, 43, 75-97.	1.4	26
6	Bio-mining of Lanthanides from Red Mud by Green Microalgae. <i>Molecules</i> , 2019, 24, 1356.	1.7	24
7	Origin and geodynamic significance of Upper Cretaceous lamprophyres from the Villány Mts (S) Tj ETQq1 1 0.784314 rgBT /Overlock 0,4 21	0.4	21
8	Determination of geometric parameters of fracture networks using 1D data. <i>Journal of Structural Geology</i> , 2010, 32, 878-885.	1.0	21
9	Classification of minerals and the assessment of lithium and beryllium content in granitoid rocks by laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 813-823.	1.6	20
10	CHARACTERIZATION AND DFN MODELLING OF THE FRACTURE NETWORK IN A MESOZOIC KARST RESERVOIR: GOMBA OILFIELD, PALEOGENE BASIN, CENTRAL HUNGARY. <i>Journal of Petroleum Geology</i> , 2017, 40, 319-334.	0.9	19
11	Conceptual fracture network model of the crystalline basement of the Szeghalom Dome (Pannonian) Tj ETQq1 1 0.784314 rgBT /Overlock 0,2 16	0.2	16
12	GraphClus, a MATLAB program for cluster analysis using graph theory. <i>Computers and Geosciences</i> , 2009, 35, 1205-1213.	2.0	16
13	Crystal chemistry of clinopyroxene and spinel from mantle xenoliths hosted in Late Mesozoic lamprophyres (Villany Mts, S Hungary). <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2008, 185, 1-10.	0.1	14
14	Fracture network characterization using 1D and 2D data of the Má3rÁigy Granite body, southern Hungary. <i>Journal of Structural Geology</i> , 2018, 113, 176-187.	1.0	12
15	Mineralogical and Geochemical Constraints of the REE Accumulation in the AlmÁjsfÁ1/4zitÁ' Red Mud Depository in Northwest Hungary. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3654.	1.3	10
16	Lithology identification using open-hole well-log data in the metamorphic Kiskunhalas-NE hydrocarbon reservoir, South Hungary. <i>Acta Geodaetica Et Geophysica</i> , 2014, 49, 57-78.	0.7	9
17	Hybrid numerical modelling of fluid and heat transport between the overpressured and gravitational flow systems of the Pannonian Basin. <i>Geothermics</i> , 2018, 72, 268-276.	1.5	9
18	Shear strain and volume change associated with sigmoidal vein arrays in the Boda Claystone. <i>Journal of Structural Geology</i> , 2020, 138, 104105.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Potential formation mechanisms of early diagenetic displacive veins in the Permian Boda Claystone Formation. <i>Journal of Structural Geology</i> , 2020, 138, 104098.	1.0	9
20	Discrete fracture network (DFN) modelling of a high-level radioactive waste repository host rock and the effects on its hydrogeological behaviour. <i>Journal of Structural Geology</i> , 2022, 156, 104556.	1.0	9
21	Neogene exhumation of the Variscan Szeghalom Dome, Pannonian Basin, E. Hungary. <i>Geological Journal</i> , 2000, 35, 265-284.	0.6	8
22	Petrology of the metamorphic basement of the Tisza Block at the Jınoshalma High, S Hungary. <i>Acta Geologica Hungarica</i> , 2004, 47, 349-371.	0.2	7
23	Interpretation of subhorizontal crustal reflections by metamorphic and rheologic effects in the eastern part of the Pannonian Basin. <i>Geophysical Journal International</i> , 2006, 167, 187-203.	1.0	7
24	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. <i>Geofluids</i> , 2011, 11, 309-327.	0.3	7
25	Deformation history reconstruction using single quartz grain Raman microspectroscopy data. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 314-321.	1.2	7
26	Structural controls on petroleum migration and entrapment within the faulted basement blocks of Szeghalom Dome (Pannonian Basin, SE Hungary). <i>Geologia Croatica</i> , 2015, 68, .	0.3	7
27	Terrestrial radioisotopes as paleoenvironmental proxies in sedimentary formations. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 306, 289-293.	0.7	7
28	Petrology and deformation history of the metamorphic basement in the Mezas-Furta crystalline high (SE Hungary). <i>Acta Geologica Hungarica</i> , 2006, 49, 165-188.	0.2	7
29	Petrology and geodynamical interpretation of mantle xenoliths from Late Cretaceous lamprophyres, Villany Mts (S Hungary). <i>Tectonophysics</i> , 2010, 489, 43-54.	0.9	6
30	Petrology and tectonic evolution of the Kiskunhalas-NE fractured hydrocarbon reservoir, South Hungary. <i>Central European Geology</i> , 2012, 55, 1-22.	0.4	6
31	Integrated core study of a fractured metamorphic HC-reservoir; Kiskunhalas-NE, Pannonian Basin. <i>Acta Geodaetica Et Geophysica</i> , 2013, 48, 53-75.	0.7	6
32	Statistical characterization of brittle and semi-brittle fault rocks: a clast geometry approach. <i>Acta Geodaetica Et Geophysica</i> , 2014, 49, 527-550.	0.7	6
33	Petrology and paleokarst features of the Gomba hydrocarbon reservoir (central Hungary). <i>Central European Geology</i> , 2016, 59, 28-59.	0.4	6
34	Evaluation and optimization of multi-lateral wells using MODFLOW unstructured grids. <i>Open Geosciences</i> , 2016, 8, .	0.6	6
35	Lithologically controlled behaviour of the Dorozsma metamorphic hydrocarbon reservoir (Pannonian Basin, SE Hungary). <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107748.	2.1	6
36	New geothermal well-completion and rework technology by laser. <i>Central European Geology</i> , 2015, 58, 88-99.	0.4	5

#	ARTICLE	IF	CITATIONS
37	Hydrothermal palaeofluid circulation in the fracture network of the Baksa Gneiss Complex of SW Pannonian Basin, Hungary. <i>Geofluids</i> , 2011, 11, 144-165.	0.3	4
38	Modeling microfracture geometry to assess the function of a karst system (Vázfű spring catchment) Tj ETQq0 0.0 rgBT /Overlock 10 Tf 5	0.3	4
39	Integrated petrographic and rock mechanic borecore study from the metamorphic basement of the Pannonian Basin, Hungary. <i>Open Geosciences</i> , 2015, 7, .	0.6	4
40	Geochemical and microtextural properties of veins in a potential high-level radioactive waste disposal site. <i>Journal of Structural Geology</i> , 2022, 154, 104490.	1.0	4
41	Kyanite eclogite xenolith from the orthogneiss terrane of the Tisza Megaunit, Jánoshalma area, crystalline basement of southern Hungary. <i>Lithos</i> , 2007, 99, 249-265.	0.6	3
42	The origin and role of a calcite-filled microcrack generation in a metamorphic crystalline complex: The characterization of a fossilised seismic permeability system. <i>Tectonophysics</i> , 2013, 608, 792-803.	0.9	3
43	Geochemistry of the Gárcsány Ridge amphibolites (Tisza Unit, SW Hungary) and its geodynamic consequences. <i>Geologia Croatica</i> , 2014, 67, 17-32.	0.3	3
44	Palaeofluid evolution in a fractured basalt hosted reservoir in the Ács-Ruzsa-Bordány area, southern sector of the Pannonian Basin. <i>Geologia Croatica</i> , 2016, 69, 281-293.	0.3	3
45	Effect of nasal airway nonlinearities on oscillometric resistance measurements in infants. <i>Journal of Applied Physiology</i> , 2020, 129, 591-598.	1.2	3
46	ENVIRONMENTAL RISKS OF WASTE THERMAL WATER DISPOSAL: LONG-TERM EFFECTS OF THERMAL WATER SEEPAGE ON DIFFERENT SOIL TYPES. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 1217-1229.	0.2	3
47	Lithology-Controlled Hydrodynamic Behaviour of a Fractured Sandstone–Claystone Body in a Radioactive Waste Repository Site, SW Hungary. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2528.	1.3	3
48	Localisation of ductile and brittle shear zones along the Szentlőrinc-1 well in the Mecsek-alja Zone using quartz microstructural and well-log data. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 295-314.	0.7	2
49	Integrated evaluation of urban groundwater hydrogeochemistry in context of fractal behaviour of groundwater level fluctuations. <i>Hydrological Sciences Journal</i> , 2017, 62, 1216-1229.	1.2	2
50	Contrasting metamorphic and post-metamorphic evolutions within the Algyű basement high (Tisza) Tj ETQq0 0.0 rgBT /Overlock 10 Tf 5	0.4	2
51	Paleofluid evolution of the fractured basalt hydrocarbon reservoir in the Ács-Ruzsa-Bordány area, SE Hungary. <i>Central European Geology</i> , 2009, 52, 299-323.	0.4	1
52	The Hydraulic Behavior of a Crack-Seal Vein-Producing Fluid-Rock System. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 187-190.	0.6	1
53	Localisation of Ancient Migration Pathways inside a Fractured Metamorphic Hydrocarbon Reservoir in South-East Hungary. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7321.	1.3	1
54	Near vein metasomatism along propylitic veins in the Baksa Gneiss Complex, Pannonian Basin, Hungary. <i>Geologia Croatica</i> , 2010, 63, .	0.3	1

#	ARTICLE	IF	CITATIONS
55	Metamorphic and deformation history of the Mecsek-alja Zone around the Szentlőrinc-1 well using individual quartz grains from drilling chips. <i>Central European Geology</i> , 2018, 61, 85-108.	0.4	0
56	Archaeometrical results related to Neolithic amphibolite stone implements from Northeast Hungary. <i>Journal of Archaeological Science: Reports</i> , 2020, 32, 102437.	0.2	0
57	Geochemical classification of oxidized Mn-ores from Árká (W Hungary) and its consequences for ore genesis. <i>Central European Geology</i> , 2011, 54, 249-260.	0.4	0
58	Identification of soil processes caused by the seepage of waste thermal water along a channel in the Great Hungarian Plain. <i>Agrokémia Es Talajtan</i> , 2012, 61, 77-92.	0.1	0
59	Modellezett vāzelāntā s talajszerkezetre gyakorolt hatājsāinak komputertomogrāfiāis vizsgálata. <i>Agrokémia Es Talajtan</i> , 2015, 64, 13-27.	0.1	0