

W A M Wanniarachchi

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

446
citations

840776

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h-index

1125743

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g-index

13
all docs

13
docs citations

13
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Current opinions on foam-based hydro-fracturing in deep geological reservoirs. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2015, 1, 121-134.	2.9	97
2	Shale gas fracturing using foam-based fracturing fluid: a review. Environmental Earth Sciences, 2017, 76, 1.	2.7	88
3	Different strategies of foam stabilization in the use of foam as a fracturing fluid. Advances in Colloid and Interface Science, 2020, 276, 102104.	14.7	48
4	Influence of Water Saturation on the Mechanical Behaviour of Low-Permeability Reservoir Rocks. Energies, 2017, 10, 236.	3.1	46
5	Investigation of Depth and Injection Pressure Effects on Breakdown Pressure and Fracture Permeability of Shale Reservoirs: An Experimental Study. Applied Sciences (Switzerland), 2017, 7, 664.	2.5	32
6	Visual representation and characterization of three-dimensional hydrofracturing cracks within heterogeneous rock through 3D printing and transparent models. International Journal of Coal Science and Technology, 2016, 3, 284-294.	6.0	28
7	Mechanical Characterization of Low Permeable Siltstone under Different Reservoir Saturation Conditions: An Experimental Study. Energies, 2019, 12, 14.	3.1	23
8	Assessment of dynamic material properties of intact rocks using seismic wave attenuation: an experimental study. Royal Society Open Science, 2017, 4, 170896.	2.4	22
9	Experimental research on carbon storage in a CO ₂ -Based enhanced geothermal system. Renewable Energy, 2021, 175, 68-79.	8.9	15
10	Numerical simulation of foam-based hydraulic fracturing to optimise perforation spacing and to investigate effect of dip angle on hydraulic fracturing. Journal of Petroleum Science and Engineering, 2019, 172, 83-96.	4.2	14
11	In Situ Synchrotron X-ray Microtomography Observations of Fracture Network Evolution of Coal Due to Waterflooding. Geophysical Research Letters, 2020, 47, e2020GL087375.	4.0	14
12	Modified non-explosive expansive cement for preconditioning deep host rocks: A review. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2021, 7, 1.	2.9	10
13	Hydro-mechanical properties of a low-clay shale with supercritical CO ₂ imbibition. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2020, 6, 1.	2.9	9