Mehdi Mokhtari

List of Publications by Year
in descending order

29 papers	627 citations	759190 12 h-index	610883 24 g-index
30 all docs	30 docs citations	30 times ranked	552 citing authors

#	Article	IF	Citations
1	Measurement of Deformation Heterogeneity During Shale Swelling Using Digital Image Correlation. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	5
2	Using Digital Image Correlation for Evaluating the Impact of Brine on Swelling of Heterogeneous Shales. Rock Mechanics and Rock Engineering, 2022, 55, 1013-1035.	5.4	4
3	Achieving Superhydrophobic Surfaces via Air-Assisted Electrospray. Langmuir, 2022, 38, 2852-2861.	3.5	8
4	Tuscaloosa Marine Shale: Seal or Source? Petrophysical Comparative Study of Wells in SE Louisiana and SW Mississippi. Energies, 2022, 15, 3417.	3.1	1
5	Experimental and finite element modelling evaluation of cement integrity under diametric compression. Journal of Petroleum Science and Engineering, 2020, 188, 106844.	4.2	14
6	Characterization of elastic mechanical properties of Tuscaloosa Marine Shale from well logs using the vertical transversely isotropic model. Interpretation, 2020, 8, T1023-T1036.	1.1	4
7	Machine learning for geophysical characterization of brittleness: Tuscaloosa Marine Shale case study. Interpretation, 2020, 8, T589-T597.	1.1	9
8	Evaluation of Fracture Toughness of Sandstone and Shale Using Digital Image Correlation. Rock Mechanics and Rock Engineering, 2020, 53, 4231-4250.	5.4	47
9	EXPERIMENTAL EVALUATION OF ULTRASONIC VELOCITIES AND ANISOTROPY IN THE TUSCALOOSA MARINE SHALE FORMATION. Interpretation, 2020, , 1-62.	1.1	3
10	Analyzing the Validity of Brazilian Testing Using Digital Image Correlation and Numerical Simulation Techniques. Energies, 2020, 13, 1441.	3.1	6
11	Laboratory Evaluation of Mud Systems for Drilling High Clay Shales in Dynamic Conditions: Comparison of Inhibitive Systems. , 2020, , .		3
12	Experimental Evaluation of Geopolymer, Nano-Modified, and Neat Class H Cement by Using Diametrically Compressive Tests. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	15
13	Complex deformation of naturally fractured rocks. Journal of Petroleum Science and Engineering, 2019, 183, 106410.	4.2	10
14	Heterogeneity of the mineralogy and organic content of the Tuscaloosa Marine Shale. Marine and Petroleum Geology, 2019, 109, 717-731.	3.3	35
15	Patterns in complex hydraulic fractures observed by true-triaxial experiments and implications for proppant placement and stimulated reservoir volumes. Journal of Petroleum Exploration and Production, 2019, 9, 2781-2792.	2.4	14
16	Characterization of marl and interbedded limestone layers in the Eagle Ford Formation, DeWitt county, Texas. Journal of Petroleum Science and Engineering, 2019, 172, 502-510.	4.2	13
17	Laboratory Investigation of Dynamic Strain Development in Sandstone and Carbonate Rocks Under Diametrical Compression Using Digital-Image Correlation. SPE Journal, 2019, 24, 254-273.	3.1	5
18	Fracture Permeability of Activated Calcite Veins to Water and Gas. , 2018, , .		1

#	Article	IF	Citations
19	Developing correlations for velocity models in vertical transverse isotropic media: Bakken case study. Journal of Natural Gas Science and Engineering, 2018, 54, 175-188.	4.4	10
20	Full-Field Strain Measurement on Rocks with Horizontal Natural Fractures. , 2018, , .		3
21	An Artificially Intelligent Technique to Generate Synthetic Geomechanical Well Logs for the Bakken Formation. Energies, 2018, 11, 680.	3.1	16
22	Improving the Total Organic Carbon Estimation of the Eagle Ford Shale with Density Logs by Considering the Effect of Pyrite. Minerals (Basel, Switzerland), 2018, 8, 154.	2.0	12
23	Optical visualization of strain development and fracture propagation in laminated rocks. Journal of Petroleum Science and Engineering, 2018, 167, 354-365.	4.2	33
24	Identification and evaluation of well integrity and causes of failure of well integrity barriers (A) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	4.4	208
25	Observation of Fracture Growth in Laminated Sandstone and Carbonate Rock Samples under Brazilian Testing Conditions Using Digital Image Correlation Technique. , 2017, , .		8
26	Impact of laminations and natural fractures on rock failure in Brazilian experiments: A case study on Green River and Niobrara formations. Journal of Natural Gas Science and Engineering, 2016, 36, 79-86.	4.4	33
27	Characterization of Elastic Anisotropy in Eagle Ford Shale: Impact of Heterogeneity and Measurement Scale. SPE Reservoir Evaluation and Engineering, 2016, 19, 429-439.	1.8	27
28	Intrinsic anisotropy in fracture permeability. Interpretation, 2015, 3, ST43-ST53.	1.1	3
29	Characterization of anisotropy in the permeability of organic-rich shales. Journal of Petroleum Science and Engineering, 2015, 133, 496-506.	4.2	74