Chunxiao Li

List of Publications by Year
in descending order

18 papers	544 citations	759233 12 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	394 citing authors

#	Article	IF	Citations
1	Estimation of Mechanical Properties of the Bakken Shales Through Convolutional Neural Networks. Rock Mechanics and Rock Engineering, 2022, 55, 1213-1225.	5.4	1
2	Application of Machine Learning Techniques in Mineral Classification for Scanning Electron Microscopy - Energy Dispersive X-Ray Spectroscopy (SEM-EDS) Images. Journal of Petroleum Science and Engineering, 2021, 200, 108178.	4.2	32
3	Mechanical response of the Middle Bakken rocks under triaxial compressive test and nanoindentation. International Journal of Rock Mechanics and Minings Sciences, 2021, 139, 104660.	5.8	11
4	AFM vs. Nanoindentation: Nanomechanical properties of organic-rich Shale. Marine and Petroleum Geology, 2021, 132, 105229.	3.3	18
5	Geomechanical Upscaling Methods: Comparison and Verification via 3D Printing. Energies, 2019, 12, 382.	3.1	21
6	Nanoscale Pore Structure Characterization of Tight Oil Formation: A Case Study of the Bakken Formation. Energy & Fuels, 2019, 33, 6008-6019.	5.1	21
7	Refracturing: well selection, treatment design, and lessons learnedâ€"a review. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	8
8	Nanoscale mechanical properties of 3D printed gypsum-powder-based rocks by nanoindentation and numerical modeling. Rapid Prototyping Journal, 2019, 25, 1295-1308.	3.2	2
9	Multi-scale assessment of mechanical properties of organic-rich shales: A coupled nanoindentation, deconvolution analysis, and homogenization method. Journal of Petroleum Science and Engineering, 2019, 174, 80-91.	4.2	36
10	Microstructure characteristics and fractal analysis of 3D-printed sandstone using micro-CT and SEM-EDS. Journal of Petroleum Science and Engineering, 2019, 175, 1039-1048.	4.2	48
11	Multifractal Characteristics of MIP-Based Pore Size Distribution of 3D-Printed Powder-Based Rocks: A Study of Post-Processing Effect. Transport in Porous Media, 2019, 129, 599-618.	2.6	21
12	Multi-scale evaluation of mechanical properties of the Bakken shale. Journal of Materials Science, 2019, 54, 2133-2151.	3.7	43
13	Pore characterization of 3D-printed gypsum rocks: a comprehensive approach. Journal of Materials Science, 2018, 53, 5063-5078.	3.7	92
14	Application of PeakForce tapping mode of atomic force microscope to characterize nanomechanical properties of organic matter of the Bakken Shale. Fuel, 2018, 233, 894-910.	6.4	66
15	Nanomechanical characterization of organic matter in the Bakken formation by microscopy-based method. Marine and Petroleum Geology, 2018, 96, 128-138.	3.3	58
16	Nano-mechanical Properties. SpringerBriefs in Petroleum Geoscience & Engineering, 2018, , 71-89.	0.3	0
17	Can 3-D Printed Gypsum Samples Replicate Natural Rocks? An Experimental Study. Rock Mechanics and Rock Engineering, 2018, 51, 3061-3074.	5.4	54
18	Nanochemo-mechanical characterization of organic shale through AFM and EDS. , 2017, , .		12