A Sakhaee-Pour

List of Publications by Year
in descending order

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36 papers	1,384 citations	623734 14 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	1356 citing authors

#	Article	IF	Citations
1	Elastic properties of single-layered graphene sheet. Solid State Communications, 2009, 149, 91-95.	1.9	226
2	Applications of single-layered graphene sheets as mass sensors and atomistic dust detectors. Solid State Communications, 2008, 145, 168-172.	1.9	192
3	Potential application of single-layered graphene sheet as strain sensor. Solid State Communications, 2008, 147, 336-340.	1.9	153
4	Vibrational analysis of single-layered graphene sheets. Nanotechnology, 2008, 19, 085702.	2.6	134
5	Effect of pore structure on the producibility of tight-gas sandstones. AAPG Bulletin, 2014, 98, 663-694.	1.5	124
6	Elastic buckling of single-layered graphene sheet. Computational Materials Science, 2009, 45, 266-270.	3.0	122
7	Fractal dimensions of shale. Journal of Natural Gas Science and Engineering, 2016, 30, 578-582.	4.4	90
8	Pore structure of shale. Fuel, 2015, 143, 467-475.	6.4	71
9	Modeling fluid injection in fractures with a reservoir simulator coupled to a boundary element method. Computational Geosciences, 2014, 18, 613-624.	2.4	27
10	Modeling adsorptionâ€“desorption hysteresis in shales: Acyclic pore model. Fuel, 2016, 181, 557-565.	6.4	26
11	Viscosity of shale gas. Fuel, 2017, 191, 87-96.	6.4	19
12	Characterizing fracture toughness using machine learning. Journal of Petroleum Science and Engineering, 2021, 200, 108202.	4.2	19
13	Effect of surface morphology on methane interaction with calcite: a DFT study. RSC Advances, 2020, 10, 16669-16674.	3.6	17
14	Effective Flow Properties for Cells Containing Fractures of Arbitrary Geometry. SPE Journal, 2016, 21, 0965-0980.	3.1	16
15	Integrating acoustic emission into percolation theory to predict permeability enhancement. Journal of Petroleum Science and Engineering, 2018, 160, 152-159.	4.2	13
16	Slippage in shale based on acyclic pore model. International Journal of Heat and Mass Transfer, 2018, 126, 761-772.	4.8	12
17	Predicting carbonate formation permeability using machine learning. Journal of Petroleum Science and Engineering, 2020, 195, 107581.	4.2	12
18	Pore Size of Shale Based on Acyclic Pore Model. Transport in Porous Media, 2018, 124, 345-368.	2.6	11

#	Article	IF	Citations
19	A Simple Relation for Estimating Shale Permeability. Transport in Porous Media, 2018, 124, 883-901.	2.6	11
20	Comprehensive pore size characterization of Midra shale. Journal of Petroleum Science and Engineering, 2021, 203, 108576.	4.2	11
21	Critical properties (T, P) of shale gas at the core scale. International Journal of Heat and Mass Transfer, 2018, 127, 579-588.	4.8	10
22	Predicting Breakdown Pressure and Breakdown Cycle in Cyclic Fracturing. SPE Production and Operations, 2018, 33, 761-769.	0.6	9
23	Decomposing J-function to Account for the Pore Structure Effect in Tight Gas Sandstones. Transport in Porous Media, 2017, 116, 453-471.	2.6	7
24	Two-Scale Geomechanics of Shale. SPE Reservoir Evaluation and Engineering, 2019, 22, 161-172.	1.8	7
25	Natural frequencies of C60, C70, and C80 fullerenes. Applied Physics Letters, 2010, 96, .	3.3	5
26	Pore-scale modeling of The Geysers. Geothermics, 2016, 60, 58-65.	3.4	5
27	Nanoindentation of Shale Cuttings and Its Application to Core Measurements. Petrophysics, 2020, 61, 404-416.	0.3	5
28	Hydrogen permeability in subsurface. International Journal of Hydrogen Energy, 2022, 47, 27071-27079.	7.1	5
29	Development of an equation to predict radial modulus of elasticity for single-walled carbon nanotubes. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 1109-1115.	2.1	4
30	Fractality of The Geysers. Geothermal Energy, 2016, 4, .	1.9	3
31	The Permeability of a Representative Carbonate Volume with a Large Vug. Transport in Porous Media, 2017, 120, 515-534.	2.6	3
32	Pore-body and -throat size distributions of The Geysers. Geothermics, 2017, 65, 313-321.	3.4	3
33	Two-Scale Geomechanics of Carbonates. Rock Mechanics and Rock Engineering, 2018, 51, 3667-3679.	5.4	3
34	The effect of vacancy defects on the adsorption of methane on calcite 104 surface. Journal of Materials Research and Technology, 2021, 14, 3051-3058.	5.8	3
35	Machine Learning for Capillary Pressure Estimation. SPE Reservoir Evaluation and Engineering, 2022, 25, 1-20.	1.8	3
36	Fracture Cell for Flow Modeling. , 2013, , .		0