

# Zhaobin Zhang

## List of Publications by Year in descending order

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14  
papers

242  
citations

933447

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h-index

1125743

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docs citations

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times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling study on supercritical CO <sub>2</sub> fracturing applicability and capacity to stimulate reservoirs with different permeabilities. <i>Journal of Petroleum Science and Engineering</i> , 2022, 213, 110427.	4.2	3
2	Numerical modeling of complex hydraulic fracture networks based on the discontinuous deformation analysis (DDA) method. <i>Energy Exploration and Exploitation</i> , 2021, 39, 1640-1665.	2.3	1
3	Numerical Evaluation of Gas Hydrate Production Performance of the Depressurization and Backfilling with an In Situ Supplemental Heat Method. <i>ACS Omega</i> , 2021, 6, 12274-12286.	3.5	14
4	Numerical simulation of hydraulic fracturing process in a naturally fractured reservoir based on a discrete fracture network model. <i>Journal of Structural Geology</i> , 2021, 147, 104331.	2.3	16
5	Numerical investigation on the hydraulic stimulation of naturally fractured Longmaxi shale reservoirs using an extended discontinuous deformation analysis (DDA) method. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	2.9	7
6	Pore network extraction from pore space images of various porous media systems. <i>Water Resources Research</i> , 2017, 53, 3424-3445.	4.2	59
7	Numerical study on the propagation of tensile and shear fracture network in naturally fractured shale reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 37, 1-14.	4.4	23
8	Numerical Analysis on the Formation of Fracture Network during the Hydraulic Fracturing of Shale with Pre-Existing Fractures. <i>Energies</i> , 2017, 10, 736.	3.1	17
9	The Shear Mechanisms of Natural Fractures during the Hydraulic Stimulation of Shale Gas Reservoirs. <i>Materials</i> , 2016, 9, 713.	2.9	15
10	Numerical Study on the Permeability of the Hydraulic-Stimulated Fracture Network in Naturally-Fractured Shale Gas Reservoirs. <i>Water (Switzerland)</i> , 2016, 8, 393.	2.7	6
11	Numerical Investigation of Influence of In-Situ Stress Ratio, Injection Rate and Fluid Viscosity on Hydraulic Fracture Propagation Using a Distinct Element Approach. <i>Energies</i> , 2016, 9, 140.	3.1	14
12	Numerical Study on the Formation of Shear Fracture Network. <i>Energies</i> , 2016, 9, 299.	3.1	13
13	Numerical Analysis on the Optimization of Hydraulic Fracture Networks. <i>Energies</i> , 2015, 8, 12061-12079.	3.1	35
14	Numerical Analysis on the Stability of Hydraulic Fracture Propagation. <i>Energies</i> , 2015, 8, 9860-9877.	3.1	19