

# Sheng Peng

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

853  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Imbibition and Oil Recovery in Shale: Dynamics and Mechanisms Using Integrated Centimeter-to-Nanometer-Scale Imaging. SPE Reservoir Evaluation and Engineering, 2023, 26, 51-63.	1.8	5
2	Water-Oil Displacement in Shale: New Insights from a Comparative Study Integrating Imbibition Tests and Multiscale Imaging. SPE Journal, 2021, , 1-15.	3.1	10
3	Advanced understanding of gas flow and the Klinkenberg effect in nanoporous rocks. Journal of Petroleum Science and Engineering, 2021, 206, 109047.	4.2	12
4	Matrix reservoir quality of the Upper Cretaceous Austin Chalk Group and evaluation of reservoir-quality analysis methods; northern onshore Gulf of Mexico, U.S.A.. Marine and Petroleum Geology, 2021, 134, 105323.	3.3	3
5	Gas-water relative permeability of unconventional reservoir rocks: Hysteresis and influence on production after shut-in. Journal of Natural Gas Science and Engineering, 2020, 82, 103511.	4.4	13
6	Tracer-Guided Characterization of Dominant Pore Networks and Implications for Permeability and Wettability in Shale. Journal of Geophysical Research: Solid Earth, 2019, 124, 1459-1479.	3.4	10
7	Gas Relative Permeability and its Evolution During Water Imbibition in Unconventional Reservoir Rocks: Direct Laboratory Measurement and a Conceptual Model. SPE Reservoir Evaluation and Engineering, 2019, 22, 1346-1359.	1.8	10
8	Controls on pore types and pore-size distribution in the Upper Triassic Yanchang Formation, Ordos Basin, China: Implications for pore-evolution models of lacustrine mudrocks. Interpretation, 2017, 5, SF127-SF148.	1.1	41
9	Pore types, pore-network analysis, and pore quantification of the lacustrine shale-hydrocarbon system in the Late Triassic Yanchang Formation in the southeastern Ordos Basin, China. Interpretation, 2017, 5, SF63-SF79.	1.1	68
10	Investigation of multiphase fluid imbibition in shale through synchrotron-based dynamic micro-CT imaging. Journal of Geophysical Research: Solid Earth, 2017, 122, 4475-4491.	3.4	57
11	Origin and characterization of Eagle Ford pore networks in the south Texas Upper Cretaceous shelf. AAPG Bulletin, 2017, 101, 387-418.	1.5	126
12	Application of mercury injection capillary pressure to mudrocks: Conformance and compression corrections. Marine and Petroleum Geology, 2017, 88, 30-40.	3.3	52
13	Permeability estimation based on thin-section image analysis and 2D flow modeling in grain-dominated carbonates. Marine and Petroleum Geology, 2016, 77, 763-775.	3.3	15
14	Permeability measurements in mudrocks using gas-expansion methods on plug and crushed-rock samples. Marine and Petroleum Geology, 2016, 73, 299-310.	3.3	57
15	An Integrated Method for Upscaling Pore-Network Characterization and Permeability Estimation: Example from the Mississippian Barnett Shale. Transport in Porous Media, 2015, 109, 359-376.	2.6	56
16	Resolution effect in X-ray microcomputed tomography imaging and small pore <sup>TM</sup> 's contribution to permeability for a Berea sandstone. Journal of Hydrology, 2014, 510, 403-411.	5.4	70
17	Steam and air co-injection in removing residual TCE in unsaturated layered sandy porous media. Journal of Contaminant Hydrology, 2013, 153, 24-36.	3.3	11
18	Diffusivity of rocks: Gas diffusion measurements and correlation to porosity and pore size distribution. Water Resources Research, 2012, 48, .	4.2	49

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19	Using X-ray computed tomography in pore structure characterization for a Berea sandstone: Resolution effect. <i>Journal of Hydrology</i> , 2012, 472-473, 254-261.	5.4	112
20	Relationships among air-water interfacial area, capillary pressure, and water saturation for a sandy porous medium. <i>Water Resources Research</i> , 2006, 42, .	4.2	76