

# Yang Wang

## List of Publications by Year in descending order

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21  
papers

1,084  
citations

623734

14  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of the Nanoscale Pore Structure in Northwestern Hunan Shale Gas Reservoirs Using Field Emission Scanning Electron Microscopy, High-Pressure Mercury Intrusion, and Gas Adsorption. <i>Energy &amp; Fuels</i> , 2014, 28, 945-955.	5.1	238
2	Pore characterization and its impact on methane adsorption capacity for organic-rich marine shales. <i>Fuel</i> , 2016, 181, 227-237.	6.4	219
3	Methane adsorption measurements and modeling for organic-rich marine shale samples. <i>Fuel</i> , 2016, 172, 301-309.	6.4	113
4	Molecular simulation of methane adsorption in shale based on grand canonical Monte Carlo method and pore size distribution. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 30, 119-126.	4.4	86
5	Molecular structure controls on micropore evolution in coal vitrinite during coalification. <i>International Journal of Coal Geology</i> , 2018, 199, 19-30.	5.0	79
6	Ultra micropores in macromolecular structure of subbituminous coal vitrinite. <i>Fuel</i> , 2017, 210, 298-306.	6.4	67
7	Supercritical Methane Adsorption on Shale over Wide Pressure and Temperature Ranges: Implications for Gas-in-Place Estimation. <i>Energy &amp; Fuels</i> , 2020, 34, 3121-3134.	5.1	49
8	Fractal evolution under in situ pressure and sorption conditions for coal and shale. <i>Scientific Reports</i> , 2017, 7, 8971.	3.3	40
9	Evaluation of Spatial Alignment of Kerogen in Shale Using High-Resolution Transmission Electron Microscopy, Raman Spectroscopy, and Fourier Transform Infrared. <i>Energy &amp; Fuels</i> , 2018, 32, 10616-10627.	5.1	29
10	Supercritical Methane Adsorption on Overmature Shale: Effect of Pore Structure and Fractal Characteristics. <i>Energy &amp; Fuels</i> , 2019, 33, 8323-8337.	5.1	25
11	Evaluation of Nanoscale Accessible Pore Structures for Improved Prediction of Gas Production Potential in Chinese Marine Shales. <i>Energy &amp; Fuels</i> , 2018, 32, 12447-12461.	5.1	24
12	SANS coupled with fluid invasion approaches for characterization of overall nanopore structure and mesopore connectivity of organic-rich marine shales in China. <i>International Journal of Coal Geology</i> , 2020, 217, 103343.	5.0	20
13	The Chemical and Alignment Structural Properties of Coal: Insights from Raman, Solid-State <sup>13</sup> C NMR, XRD, and HRTEM Techniques. <i>ACS Omega</i> , 2021, 6, 11266-11279.	3.5	17
14	Influence of Pore Structure Particularity and Pore Water on the Occurrence of Deep Shale Gas: Wufeng-Longmaxi Formation, Luzhou Block, Sichuan Basin. <i>Natural Resources Research</i> , 2022, 31, 1403-1423.	4.7	16
15	Characterization of methane adsorption on shale of a complex tectonic area in Northeast Guizhou, China: Experimental results and geological significance. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 84, 103676.	4.4	15
16	Molecular Dynamics Simulation of Diffusion Behavior of CH <sub>4</sub> , CO <sub>2</sub> , and N <sub>2</sub> in Mid-Rank Coal Vitrinite. <i>Energies</i> , 2019, 12, 3744.	3.1	13
17	Structural deformation and its pore-fracture system response of the Wufeng-Longmaxi shale in the Northeast Chongqing area, using FE-SEM, gas adsorption, and SAXS. <i>Journal of Petroleum Science and Engineering</i> , 2022, 209, 109877.	4.2	10
18	Comparative study of nanoscale pore structure of Lower Permian alaeozoic marine shales in the Middle-Upper Yangtze area, China: Implications for gas production potential. <i>Geological Journal</i> , 2018, 53, 2413-2426.	1.3	9

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19	Effects of Rapid Igneous Intrusion Heating on the Geochemistry, Petrography, and Microcrystalline Structure of Coals from Huainan, China. ACS Omega, 2022, 7, 15439-15450.	3.5	7
20	Chemical Structure Transformations in Kerogen from Longmaxi Shales in Response to Tectonic Stress as Investigated by HRTEM, FTIR, and <sup>13</sup> C NMR. Energy & Fuels, 2021, 35, 19496-19506.	5.1	5
21	Evolution Mechanism of Material Compositionâ€Pore Structureâ€Adsorption Property in Marine Shale Based on Pyrolysis Experiments: A Typical Case of the Mesoproterozoic Xiamaling Formation. Energy & Fuels, 2021, 35, 1090-1103.	5.1	3