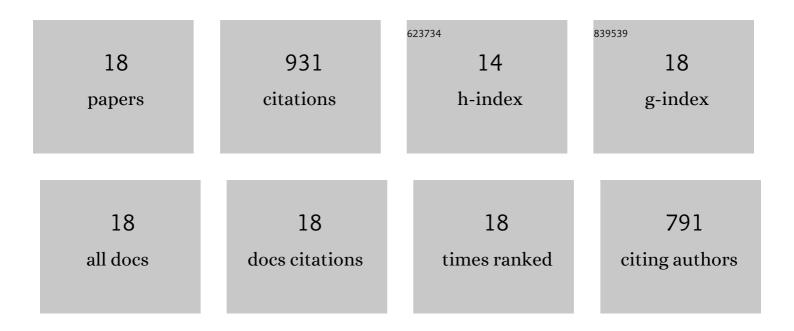
Rui Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Unraveling high-pressure gas storage mechanisms in shale nanopores through SANS. Environmental Science: Nano, 2021, 8, 2706-2717.	4.3	5
2	Investigating Hierarchical Gas Confinement in High-Rank Coal through Small-Angle Neutron Scattering. Energy & Fuels, 2021, 35, 13109-13123.	5.1	2
3	Characterization of nano-to-micron sized respirable coal dust: Particle surface alteration and the health impact. Journal of Hazardous Materials, 2021, 413, 125447.	12.4	52
4	The molecular model of Marcellus shale kerogen: Experimental characterization and structure reconstruction. International Journal of Coal Geology, 2021, 246, 103833.	5.0	29
5	Pore-Scale Water Vapor Condensation Behaviors in Shales: An Experimental Study. Transport in Porous Media, 2020, 135, 713-734.	2.6	15
6	Characterizing Anisotropic Pore Structure and Its Impact on Gas Storage and Transport in Coalbed Methane and Shale Gas Reservoirs. Energy & Fuels, 2020, 34, 3161-3172.	5.1	24
7	Discovering Inherent Characteristics of Polyethylenimine-Functionalized Porous Materials for CO ₂ Capture. ACS Applied Materials & Interfaces, 2019, 11, 36515-36524.	8.0	31
8	Characterizations of pore, mineral and petrographic properties of marine shale using multiple techniques and their implications on gas storage capability for Sichuan Longmaxi gas shale field in China. Fuel, 2019, 241, 360-371.	6.4	83
9	Investigation of Accessible Pore Structure Evolution under Pressurization and Adsorption for Coal and Shale Using Small-Angle Neutron Scattering. Energy & Fuels, 2019, 33, 837-847.	5.1	37
10	Comparative study of nanoscale pore structure of <scp>L</scp> ower <scp>P</scp> alaeozoic marine shales in the <scp>M</scp> iddleâ€ <scp>U</scp> pper <scp>Y</scp> angtze area, China: <scp>I</scp> mplications for gas production potential. Geological Journal, 2018, 53, 2413-2426.	1.3	9
11	Nanopore characterization of mine roof shales by SANS, nitrogen adsorption, and mercury intrusion: Impact on water adsorption/retention behavior. International Journal of Coal Geology, 2018, 200, 173-185.	5.0	75
12	Evaluation of Nanoscale Accessible Pore Structures for Improved Prediction of Gas Production Potential in Chinese Marine Shales. Energy & amp; Fuels, 2018, 32, 12447-12461.	5.1	24
13	Experimental and theoretical characterization of methane and CO2 sorption hysteresis in coals based on Langmuir desorption. International Journal of Coal Geology, 2017, 171, 49-60.	5.0	83
14	Changes in pore structure of coal caused by coal-to-gas bioconversion. Scientific Reports, 2017, 7, 3840.	3.3	23
15	Fractal evolution under in situ pressure and sorption conditions for coal and shale. Scientific Reports, 2017, 7, 8971.	3.3	40
16	Pore characterization and its impact on methane adsorption capacity for organic-rich marine shales. Fuel, 2016, 181, 227-237.	6.4	219
17	Methane adsorption measurements and modeling for organic-rich marine shale samples. Fuel, 2016, 172, 301-309.	6.4	113
18	Estimation and modeling of coal pore accessibility using small angle neutron scattering. Fuel, 2015, 161, 323-332.	6.4	67