

Qingchun Yu

List of Publications by Year in descending order

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47
papers

889
citations

394421

19
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49
docs citations

49
times ranked

667
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation into simultaneous adsorption of water vapor and methane onto shales. <i>Journal of Hydrology</i> , 2022, 604, 127200.	5.4	6
2	The role of fluid-rock interactions in permeability behavior of shale with different pore fluids. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2022, 150, 105023.	5.8	7
3	Gas Slippage in Microscale Fractures of Partially Saturated Shale of Different Matric Potentials. <i>SPE Journal</i> , 2022, 27, 3020-3034.	3.1	2
4	The effect of water vapor on methane adsorption in the nanopores of shale. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 101, 104536.	4.4	13
5	Experimental investigation into the permeability of water vapor in shales. <i>Journal of Hydrology</i> , 2022, 609, 127697.	5.4	4
6	Quantitative investigation of phase characteristic effects on CO ₂ breakthrough pressures in unsaturated Low-Permeability sandstone. <i>Journal of Hydrology</i> , 2022, 609, 127780.	5.4	7
7	Dynamic model for the simultaneous adsorption of water vapor and methane on shales. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 102, 104578.	4.4	2
8	Comparing the adsorption of carbon dioxide and methane in Carboniferous shale from the Qaidam Basin, China. <i>Applied Geochemistry</i> , 2022, 143, 105368.	3.0	1
9	Quantitative experimental investigation of multiple P-T effects on primary drainage process during scCO ₂ storage in deep saline aquifers. <i>Journal of Hydrology</i> , 2021, 596, 126143.	5.4	8
10	Rock-core scale modeling of initial water saturation effects on CO ₂ breakthrough pressure in CO ₂ geo-sequestration. <i>Journal of Hydrology</i> , 2020, 580, 124234.	5.4	21
11	Numerical Investigations of Blockiness of Fractured Rocks Based on Fracture Spacing and Disc Diameter. <i>International Journal of Geomechanics</i> , 2020, 20, 04020004.	2.7	3
12	Experimental Investigation on the Movability of Water in Shale Nanopores: A Case Study of Carboniferous Shale From the Qaidam Basin, China. <i>Water Resources Research</i> , 2020, 56, e2019WR026973.	4.2	29
13	Experimental Investigation of Spontaneous Water Imbibition into Methane-Saturated Shales under Different Methane Pressures. <i>Energy & Fuels</i> , 2020, 34, 14356-14367.	5.1	8
14	Comparing the permeability of dry and moisturized crushed shales determined by the dynamic process data of methane adsorption. <i>Journal of Hydrology</i> , 2020, 590, 125375.	5.4	12
15	Dynamic behaviors of methane adsorption on partially saturated shales. <i>Journal of Petroleum Science and Engineering</i> , 2020, 190, 107071.	4.2	11
16	Stability analysis of three-dimensional rock blocks based on general block method. <i>Computers and Geotechnics</i> , 2020, 124, 103621.	4.7	12
17	Experimental study on the relationship between the matric potential and methane breakthrough pressure of partially water-saturated shale fractures. <i>Journal of Hydrology</i> , 2019, 578, 124044.	5.4	12
18	Breakthrough pressure and permeability in partially water-saturated shales using methane-carbon dioxide gas mixtures: An experimental study of Carboniferous shales from the eastern Qaidam Basin, China. <i>AAPG Bulletin</i> , 2019, 103, 273-301.	1.5	26

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19	A method to determine the permeability of shales by using the dynamic process data of methane adsorption. <i>Engineering Geology</i> , 2019, 253, 111-122.	6.3	12
20	Constructing boundary structures of rock blocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 1373-1391.	3.3	0
21	Stability analysis method for rock blocks formed by curved fractures. <i>Tunnelling and Underground Space Technology</i> , 2019, 85, 182-195.	6.2	4
22	Effect of CH ₄ on the CO ₂ breakthrough pressure and permeability of partially saturated low-permeability sandstone in the Ordos Basin, China. <i>Journal of Hydrology</i> , 2018, 556, 732-748.	5.4	23
23	Effect of Water Saturation on Pressure-Dependent Permeability of Carboniferous Shale of the Qaidam Basin, China. <i>Transport in Porous Media</i> , 2018, 123, 147-172.	2.6	14
24	Experimental Investigations of the Process of Carbonate Fracture Dissolution Enlargement under Reservoir Temperature and Pressure Conditions. <i>Geofluids</i> , 2018, 2018, 1-19.	0.7	2
25	Experimental and Modeling Study of Methane Adsorption onto Partially Saturated Shales. <i>Water Resources Research</i> , 2018, 54, 5017-5029.	4.2	26
26	Pore structure characterization of Carboniferous shales from the eastern Qaidam Basin, China: Combining helium expansion with low-pressure adsorption and mercury intrusion. <i>Journal of Petroleum Science and Engineering</i> , 2017, 152, 91-103.	4.2	31
27	Residual water formation during the CO ₂ storage process in deep saline aquifers and factors influencing it: A review. <i>Journal of CO₂ Utilization</i> , 2017, 20, 253-262.	6.8	24
28	Apparent Permeability and Gas Flow Behavior in Carboniferous Shale from the Qaidam Basin, China: An Experimental Study. <i>Transport in Porous Media</i> , 2017, 116, 585-611.	2.6	30
29	CO ₂ breakthrough pressure and permeability for unsaturated low-permeability sandstone of the Ordos Basin. <i>Journal of Hydrology</i> , 2017, 550, 331-342.	5.4	41
30	Determining the REV for Fracture Rock Mass Based on Seepage Theory. <i>Geofluids</i> , 2017, 2017, 1-8.	0.7	9
31	Identifying rock blocks based on exact arithmetic. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016, 86, 80-90.	5.8	13
32	The effect of moisture on the methane adsorption capacity of shales: A study case in the eastern Qaidam Basin in China. <i>Journal of Hydrology</i> , 2016, 542, 487-505.	5.4	71
33	The effect of water saturation on methane breakthrough pressure: An experimental study on the Carboniferous shales from the eastern Qaidam Basin, China. <i>Journal of Hydrology</i> , 2016, 543, 832-848.	5.4	42
34	Estimation of the REV size for blockiness of fractured rock masses. <i>Computers and Geotechnics</i> , 2016, 76, 83-92.	4.7	51
35	Analysis of removability and stability of rock blocks by considering the rock bridge effect. <i>Canadian Geotechnical Journal</i> , 2016, 53, 384-395.	2.8	23
36	Methane adsorption on porous nano-silica in the presence of water: An experimental and ab initio study. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 60-69.	9.4	11

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37	The effects of quartz content on the formation of residual water in a brine- CO_2 -quartz system: An experimental study. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 1609-1619.	4.4	10
38	Blockiness level of rock mass around underground powerhouse of Three Gorges Project. <i>Tunnelling and Underground Space Technology</i> , 2015, 48, 67-76.	6.2	24
39	A method for identifying three-dimensional rock blocks formed by curved fractures. <i>Computers and Geotechnics</i> , 2015, 65, 1-11.	4.7	24
40	Prospects of Carboniferous Shale Gas Exploitation in the Eastern Qaidam Basin. <i>Acta Geologica Sinica</i> , 2014, 88, 620-634.	1.4	17
41	Modeling and measurement of CO_2 solubility in salty aqueous solutions and application in the Erdos Basin. <i>Fluid Phase Equilibria</i> , 2014, 377, 45-55.	2.5	20
42	A physical and numerical investigation of the failure mechanism of weak rocks surrounding tunnels. <i>Computers and Geotechnics</i> , 2014, 61, 292-307.	4.7	69
43	Supercritical CO_2 dissolution and mass transfer in low-permeability sandstone: Effect of concentration difference in water-flood experiments. <i>International Journal of Greenhouse Gas Control</i> , 2014, 28, 328-342.	4.6	32
44	The Effects of Brine Species on the Formation of Residual Water in a CO_2 -Brine System. <i>Transport in Porous Media</i> , 2014, 104, 553-564.	2.6	7
45	The Effects of Brine Concentration on the Formation of Residual Water. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 496-499.	0.6	6
46	Dynamic displacement and non-equilibrium dissolution of supercritical CO_2 in low-permeability sandstone: An experimental study. <i>International Journal of Greenhouse Gas Control</i> , 2013, 14, 1-14.	4.6	67
47	Experimental investigations on water condensation in the nanopores of shales. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-19.	2.3	2