

Prem K Bikkina

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

489
citations

1040056

9
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Contact angle measurements of CO ₂ -water-quartz/calcite systems in the perspective of carbon sequestration. International Journal of Greenhouse Gas Control, 2011, 5, 1259-1271.	4.6	159
2	Influence of wettability and permeability heterogeneity on miscible CO ₂ flooding efficiency. Fuel, 2016, 166, 219-226.	6.4	94
3	Equilibrated Interfacial Tension Data of the CO ₂ -Water System at High Pressures and Moderate Temperatures. Journal of Chemical & Engineering Data, 2011, 56, 3725-3733.	1.9	80
4	Effect of salinity, Mg ²⁺ and SO ₄ ²⁻ on smart water-induced carbonate wettability alteration in a model oil system. Journal of Colloid and Interface Science, 2020, 563, 145-155.	9.4	56
5	Effect of brine type and ionic strength on the wettability alteration of naphthenic-acid-adsorbed calcite surfaces. Journal of Petroleum Science and Engineering, 2020, 185, 106567.	4.2	24
6	Reply to the comments on "Contact angle measurements of CO ₂ -water-quartz/calcite systems in the perspective of carbon sequestration". International Journal of Greenhouse Gas Control, 2012, 7, 263-264.	4.6	23
7	A semi-experimental procedure for the estimation of permeability of microfluidic pore network. MethodsX, 2019, 6, 704-713.	1.6	13
8	A parametric study of layer-by-layer deposition of CaCO ₃ on glass surfaces towards fabricating carbonate reservoirs on microfluidic chips. Journal of Petroleum Science and Engineering, 2021, 198, 108231.	4.2	13
9	Influence of wettability on pressure-driven bubble nucleation: A potential method for dissolved gas separation. Separation and Purification Technology, 2019, 217, 31-39.	7.9	12
10	Microfluidics-Based Low Salinity Wettability Alteration Study of Naphthenic-Acid-Adsorbed Calcite Surfaces. Energy & Fuels, 2022, 36, 1842-1853.	5.1	8
11	An Analytical Method to Estimate Supersaturation in Gas-Liquid Systems as a Function of Pressure-Reduction Step and Waiting Time. Eng, 2022, 3, 116-123.	2.4	4
12	Interfacial Tension and Contact Angle Data Relevant to Carbon Sequestration. , 2018, , .		2
13	Effect of Wettability on Vacuum-Driven Bubble Nucleation. Processes, 2022, 10, 1073.	2.8	1
14	CO ₂ Storage Potential Reconnaissance of the Newly Identified Red Beds of Hazlehurst in the Southeastern United States. Frontiers in Energy Research, 2021, 9, .	2.3	0