

# Prem K Bikkina

## List of Publications by Year in descending order

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14  
papers

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citations

1040056

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1199594

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docs citations

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times ranked

558  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidics-Based Low Salinity Wettability Alteration Study of Naphthenic-Acid-Adsorbed Calcite Surfaces. Energy & Fuels, 2022, 36, 1842-1853.	5.1	8
2	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
3	Effect of Wettability on Vacuum-Driven Bubble Nucleation. Processes, 2022, 10, 1073.	2.8	1
4	A parametric study of layer-by-layer deposition of CaCO <sub>3</sub> on glass surfaces towards fabricating carbonate reservoirs on microfluidic chips. Journal of Petroleum Science and Engineering, 2021, 198, 108231.	4.2	13
5	CO <sub>2</sub> 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
6	Effect of salinity, Mg <sup>2+</sup> and SO <sub>4</sub> <sup>2-</sup> 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
7	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
8	A semi-experimental procedure for the estimation of permeability of microfluidic pore network. MethodsX, 2019, 6, 704-713.	1.6	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	Interfacial Tension and Contact Angle Data Relevant to Carbon Sequestration. , 2018, , .		2
11	Influence of wettability and permeability heterogeneity on miscible CO <sub>2</sub> flooding efficiency. Fuel, 2016, 166, 219-226.	6.4	94
12	Reply to the comments on "Contact angle measurements of CO <sub>2</sub> -water-quartz/calcite systems in the perspective of carbon sequestration". International Journal of Greenhouse Gas Control, 2012, 7, 263-264.	4.6	23
13	Contact angle measurements of CO <sub>2</sub> -water-quartz/calcite systems in the perspective of carbon sequestration. International Journal of Greenhouse Gas Control, 2011, 5, 1259-1271.	4.6	159
14	Equilibrated Interfacial Tension Data of the CO <sub>2</sub> -Water System at High Pressures and Moderate Temperatures. Journal of Chemical & Engineering Data, 2011, 56, 3725-3733.	1.9	80