

Bijoy Bera

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

595
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrode Surface Potential-Driven Protein Adsorption and Desorption through Modulation of Electrostatic, van der Waals, and Hydration Interactions. <i>Langmuir</i> , 2021, 37, 6549-6555.	3.5	19
2	Antisurfactant (Autophobic) Behavior of Superspreader Surfactant Solutions. <i>Langmuir</i> , 2021, 37, 6243-6247.	3.5	7
3	Coalescence dynamics in oil-in-water emulsions at elevated temperatures. <i>Scientific Reports</i> , 2021, 11, 10990.	3.3	21
4	Students'™ report on an open inquiry. <i>Physics Education</i> , 2021, 56, 063007.	0.5	4
5	Wetting of water on graphene nanopowders of different thicknesses. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	20
6	Counteracting Interfacial Energetics for Wetting of Hydrophobic Surfaces in the Presence of Surfactants. <i>Langmuir</i> , 2018, 34, 12344-12349.	3.5	19
7	Cationic Hofmeister Series of Wettability Alteration in Mica'Water'Alkane Systems. <i>Langmuir</i> , 2018, 34, 13574-13583.	3.5	10
8	Oil-water displacements in rough microchannels. <i>Physics of Fluids</i> , 2018, 30, .	4.0	15
9	Surfactant induced autophobing. <i>Soft Matter</i> , 2016, 12, 4562-4571.	2.7	28
10	Analytic model for the electrowetting properties of oil-water-solid systems. <i>Physical Review E</i> , 2016, 93, 042606.	2.1	8
11	Insights From Ion Adsorption and Contact-Angle Alteration at Mineral Surfaces for Low-Salinity Waterflooding. <i>SPE Journal</i> , 2016, 21, 1204-1213.	3.1	39
12	Ion adsorption-induced wetting transition in oil-water-mineral systems. <i>Scientific Reports</i> , 2015, 5, 10519.	3.3	119
13	Characterization of Nanometer-Scale Porosity in Reservoir Carbonate Rock by Focused Ion Beam'Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2012, 18, 171-178.	0.4	27
14	Reservoir-on-a-Chip (ROC): A new paradigm in reservoir engineering. <i>Lab on A Chip</i> , 2011, 11, 3785.	6.0	170
15	Investigation of water and CO2 (carbon dioxide) flooding using micro-CT (micro-computed) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 5209-5216.	8.8	89