

# Bijoy Bera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6523617/publications.pdf>

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	Reservoir-on-a-Chip (ROC): A new paradigm in reservoir engineering. Lab on A Chip, 2011, 11, 3785.	6.0	170
2	Ion adsorption-induced wetting transition in oil-water-mineral systems. Scientific Reports, 2015, 5, 10519.	3.3	119
3	Investigation of water and CO <sub>2</sub> (carbon dioxide) flooding using micro-CT (micro-computed) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5209-5216.	8.8	89
4	Insights From Ion Adsorption and Contact-Angle Alteration at Mineral Surfaces for Low-Salinity Waterflooding. SPE Journal, 2016, 21, 1204-1213.	3.1	39
5	Surfactant induced autophobing. Soft Matter, 2016, 12, 4562-4571.	2.7	28
6	Characterization of Nanometer-Scale Porosity in Reservoir Carbonate Rock by Focused Ion Beam-Scanning Electron Microscopy. Microscopy and Microanalysis, 2012, 18, 171-178.	0.4	27
7	Coalescence dynamics in oil-in-water emulsions at elevated temperatures. Scientific Reports, 2021, 11, 10990.	3.3	21
8	Wetting of water on graphene nanopowders of different thicknesses. Applied Physics Letters, 2018, 112, .	3.3	20
9	Counteracting Interfacial Energetics for Wetting of Hydrophobic Surfaces in the Presence of Surfactants. Langmuir, 2018, 34, 12344-12349.	3.5	19
10	Electrode Surface Potential-Driven Protein Adsorption and Desorption through Modulation of Electrostatic, van der Waals, and Hydration Interactions. Langmuir, 2021, 37, 6549-6555.	3.5	19
11	Oil-water displacements in rough microchannels. Physics of Fluids, 2018, 30, .	4.0	15
12	Cationic Hofmeister Series of Wettability Alteration in Mica-Water-Alkane Systems. Langmuir, 2018, 34, 13574-13583.	3.5	10
13	Analytic model for the electrowetting properties of oil-water-solid systems. Physical Review E, 2016, 93, 042606.	2.1	8
14	Antisurfactant (Autophobic) Behavior of Superspreader Surfactant Solutions. Langmuir, 2021, 37, 6243-6247.	3.5	7
15	Students' report on an open inquiry. Physics Education, 2021, 56, 063007.	0.5	4