

Partha Kundu

List of Publications by Year in descending order

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15
papers

560
citations

840776

11
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of oil-in-water macro-emulsion with anionic surfactant: Effect of electrolytes and temperature. <i>Chemical Engineering Science</i> , 2013, 102, 176-185.	3.8	103
2	Experimental and numerical investigation of fluid flow hydrodynamics in porous media: Characterization of pre-Darcy, Darcy and non-Darcy flow regimes. <i>Powder Technology</i> , 2016, 303, 278-291.	4.2	78
3	Formulation development, modeling and optimization of emulsification process using evolving RSM coupled hybrid ANN-GA framework. <i>Chemical Engineering Research and Design</i> , 2015, 104, 773-790.	5.6	74
4	Treatment and reclamation of hydrocarbon-bearing oily wastewater as a hazardous pollutant by different processes and technologies: a state-of-the-art review. <i>Reviews in Chemical Engineering</i> , 2018, 35, 73-108.	4.4	70
5	Removal of emulsified oil from oily wastewater (oil-in-water emulsion) using packed bed of polymeric resin beads. <i>Separation and Purification Technology</i> , 2013, 118, 519-529.	7.9	60
6	Modeling the steady-shear rheological behavior of dilute to highly concentrated oil-in-water (o/w) emulsions: Effect of temperature, oil volume fraction and anionic surfactant concentration. <i>Journal of Petroleum Science and Engineering</i> , 2015, 129, 189-204.	4.2	48
7	Numerical modeling of turbulent flow through isotropic porous media. <i>International Journal of Heat and Mass Transfer</i> , 2014, 75, 40-57.	4.8	39
8	Numerical simulation and analysis of fluid flow hydrodynamics through a structured array of circular cylinders forming porous medium. <i>Applied Mathematical Modelling</i> , 2016, 40, 9848-9871.	4.2	25
9	Formation and stability of water-in-oil nano-emulsions with mixed surfactant using in situ combined condensation-dispersion method. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2039-2049.	1.7	20
10	Study the electro-viscous effect on stability and rheological behavior of surfactant-stabilized emulsions. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 384-394.	2.4	13
11	Experimental study on flow and rheological behavior of oil-in-water emulsions in unconsolidated porous media: Effect of particle size and phase volume fractions. <i>Powder Technology</i> , 2019, 343, 821-833.	4.2	12
12	An adaptive modeling of petroleum emulsion formation and stability by a heuristic multiobjective artificial neural network-genetic algorithm. <i>Petroleum Science and Technology</i> , 2016, 34, 350-358.	1.5	9
13	Treatment of surfactant-stabilized oily wastewater using coalescing bed of bagasse fly ash (BFA) as a low-cost filter medium: modelling and optimization of process parameters. <i>Desalination and Water Treatment</i> , 2016, 57, 19713-19726.	1.0	8
14	Performance evaluation and intensification of novel buoyant filter bioreactor with associated secondary treatment process for rice processing industries. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 169, 108619.	3.6	1
15	Synergistic Influence of pH and Temperature on Rheological Behavior of Adhesive Emulsions Stabilized with Micelle Dispersion of an Anionic Surfactant. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 301-313.	2.1	0