Partha Kundu

List of Publications by Year
in descending order

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