

Sameer Mhatre

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8260382/publications.pdf>

Version: 2024-02-01

16
papers

571
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

387
citing authors

#	ARTICLE	IF	CITATIONS
1	Emulsions in external electric fields. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102455.	14.7	24
2	Demulsification of crude oil emulsions tracked by pulsed field gradient NMR. Part II: Influence of chemical demulsifiers in external AC electric field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124188.	4.7	22
3	Experimental Evidence of Enhanced Adsorption Dynamics at Liquid-Liquid Interfaces under an Electric Field. <i>Analytical Chemistry</i> , 2020, 92, 12860-12870.	6.5	6
4	Coalescence Behavior of Stable Pendent Drop Pairs Held at Different Electric Potentials. <i>Langmuir</i> , 2020, 36, 1642-1650.	3.5	6
5	Methodology to calculate interfacial tension under electric field using pendent drop profile analysis. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20180852.	2.1	3
6	Shape evolution of a water drop in asphaltene solution under weak DC electric fields. <i>Chemical Engineering Research and Design</i> , 2019, 141, 540-549.	5.6	11
7	Demulsifier assisted film thinning and coalescence in crude oil emulsions under DC electric fields. <i>Chemical Engineering Research and Design</i> , 2018, 134, 117-129.	5.6	51
8	Dielectrophoretic motion and deformation of a liquid drop in an axisymmetric non-uniform AC electric field. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1098-1108.	7.8	15
9	Influence of a Propagating Megahertz Surface Acoustic Wave on the Pattern Deposition of Solute Mass off an Evaporating Solution. <i>Langmuir</i> , 2016, 32, 9611-9618.	3.5	16
10	Electrocoalescence of a drop pair. <i>Physics of Fluids</i> , 2015, 27, .	4.0	50
11	Electrocoalescence of water drop trains in oil under constant and pulsatile electric fields. <i>Chemical Engineering Research and Design</i> , 2015, 104, 658-668.	5.6	58
12	Electrostatic phase separation: A review. <i>Chemical Engineering Research and Design</i> , 2015, 96, 177-195.	5.6	181
13	Electrocoalescence in non-uniform electric fields: An experimental study. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 96, 28-38.	3.6	52
14	Pin-Plate Electrode System for Emulsification of a Higher Conductivity Leaky Dielectric Liquid into a Low Conductivity Medium. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13488-13496.	3.7	16
15	Drop motion, deformation, and cyclic motion in a non-uniform electric field in the viscous limit. <i>Physics of Fluids</i> , 2013, 25, 072105.	4.0	52
16	Stability of a charged drop near a conductor wall. <i>European Physical Journal E</i> , 2012, 35, 39.	1.6	8