

Ratul Das

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7663730/publications.pdf>

Version: 2024-02-01

22
papers

453
citations

759055

12
h-index

839398

18
g-index

27
all docs

27
docs citations

27
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Stages That Lead to Drop Depinning and Onset of Motion. <i>Langmuir</i> , 2022, 38, 92-99.	1.6	5
2	Process improvement of sea water reverse osmosis (SWRO) and subsequent decarbonization. <i>Desalination</i> , 2021, 499, 114791.	4.0	33
3	How particle-particle and liquid-particle interactions govern the fate of evaporating liquid marbles. <i>Soft Matter</i> , 2021, 17, 7628-7644.	1.2	19
4	Clinical Autopsy of a Reverse Osmosis Membrane Module. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	1.3	13
5	10.1063/5.0064040.3. , 2021, , .		0
6	10.1063/5.0064040.7. , 2021, , .		0
7	Suppression of Leidenfrost effect on superhydrophobic surfaces. <i>Physics of Fluids</i> , 2021, 33, .	1.6	14
8	10.1063/5.0064040.4. , 2021, , .		0
9	Counterintuitive Wetting Transitions in Doubly Reentrant Cavities as a Function of Surface Make-up, Hydrostatic Pressure, and Cavity Aspect Ratio. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001268.	1.9	11
10	Biomimetic Coating-free Superomniphobicity. <i>Scientific Reports</i> , 2020, 10, 7934.	1.6	33
11	Proof-of-Concept for Gas-Entrapping Membranes Derived from Water-Loving SiO ₂ /Si Surfaces. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	9
12	A molecular to macro level assessment of direct contact membrane distillation for separating organics from water. <i>Journal of Membrane Science</i> , 2020, 608, 118140.	4.1	23
13	Rendering SiO ₂ /Si Surfaces Omniphobic by Carving Gas-Entrapping Microtextures Comprising Reentrant and Doubly Reentrant Cavities or Pillars. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	12
14	Assessing omniphobicity by immersion. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 156-162.	5.0	38
15	Bio-inspired gas-entrapping membranes (GEMs) derived from common water-wet materials for green desalination. <i>Journal of Membrane Science</i> , 2019, 588, 117185.	4.1	27
16	Droplets Sliding down a Vertical Surface under Increasing Horizontal Forces. <i>Langmuir</i> , 2019, 35, 8191-8198.	1.6	23
17	The Influence of Gravity on Contact Angle and Circumference of Sessile and Pendant Drops has a Crucial Historic Aspect. <i>Langmuir</i> , 2019, 35, 5435-5441.	1.6	15
18	The Interfacial Modulus of a Solid Surface and the Young's Equilibrium Contact Angle Using Line Energy. , 2018, , 131-143.		3

#	ARTICLE	IF	CITATIONS
19	Why Drops Bounce on Smooth Surfaces. Langmuir, 2018, 34, 4695-4700.	1.6	10
20	DROP-SOLID RETENTION FORCES. , 2018, , .		0
21	Solidâ€“Liquid Work of Adhesion. Langmuir, 2017, 33, 3594-3600.	1.6	148
22	Reply to Comment on â€œSolidâ€“Liquid Work of Adhesionâ€•. Langmuir, 2017, 33, 13899-13901.	1.6	14