

Samarshi Chakraborty

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

604
citations

13
h-index

24
g-index

25
ext. papers

896
ext. citations

4.4
avg, IF

4.91
L-index

#	Paper	IF	Citations
25	Stability of nanofluid: A review. <i>Applied Thermal Engineering</i> , 2020 , 174, 115259	5.8	121
24	Thermal reduction of graphene oxide: How temperature influences purity. <i>Journal of Materials Research</i> , 2018 , 33, 4113-4122	2.5	84
23	Synthesis of Cu/Al layered double hydroxide nanofluid and characterization of its thermal properties. <i>Applied Clay Science</i> , 2015 , 107, 98-108	5.2	47
22	Experimental investigation on the effect of dispersant addition on thermal and rheological characteristics of TiO ₂ nanofluid. <i>Powder Technology</i> , 2017 , 307, 10-24	5.2	46
21	Heat transfer enhancement using air-atomized spray cooling with water/Al ₂ O ₃ nanofluid. <i>International Journal of Thermal Sciences</i> , 2015 , 96, 85-93	4.1	39
20	Influence of organically modified Ni/Al layered double hydroxide (LDH) loading on the rheological properties of poly (methyl methacrylate) (PMMA)/LDH blend solution. <i>Powder Technology</i> , 2014 , 256, 196-203	5.2	32
19	Thermo-physical properties of Cu-Zn-Al LDH nanofluid and its application in spray cooling. <i>Applied Thermal Engineering</i> , 2018 , 141, 339-351	5.8	30
18	Synthesis of Cu-Al LDH nanofluid and its application in spray cooling heat transfer of a hot steel plate. <i>Powder Technology</i> , 2018 , 335, 285-300	5.2	28
17	Heat transfer enhancement using surfactant based alumina nanofluid jet from a hot steel plate. <i>Experimental Thermal and Fluid Science</i> , 2017 , 89, 295-303	3	27
16	Effect of surfactant on thermo-physical properties and spray cooling heat transfer performance of Cu-Zn-Al LDH nanofluid. <i>Applied Clay Science</i> , 2019 , 168, 43-55	5.2	26
15	Thermophysical properties using ND/water nanofluids: An experimental study, ANFIS-based model and optimization. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115659	6	22
14	Investigation of structural, rheological and thermal properties of PMMA/ONi-Al LDH nanocomposites synthesized via solvent blending method: Effect of LDH loading. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016 , 34, 739-754	3.5	14
13	Spray cooling of hot steel plate using aqueous solution of surfactant and polymer. <i>Thermal Science and Engineering Progress</i> , 2019 , 10, 217-231	3.6	14
12	Ultrafast cooling of a hot steel plate using Cu-Al layered double hydroxide nanofluid jet. <i>International Journal of Thermal Sciences</i> , 2017 , 116, 52-62	4.1	13
11	Heat transfer in jet impingement on a hot steel surface using surfactant based Cu/Al layered double hydroxide nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 101, 825-833	4.9	11
10	Effect of alumina nanofluid jet on the enhancement of heat transfer from a steel plate. <i>Heat and Mass Transfer</i> , 2017 , 53, 2187-2197	2.2	9
9	Synthesis and characterization of Zn-Al layered double hydroxide nanofluid and its application as a coolant in metal quenching. <i>Applied Clay Science</i> , 2017 , 143, 241-249	5.2	8

8	Heat transfer from a hot moving steel plate by using Cu-Al layered double hydroxide nanofluid based air atomized spray. <i>Experimental Heat Transfer</i> , 2017 , 30, 500-516	2.4	7
7	Morphological, mechanical, and thermal features of PMMA nanocomposites containing two-dimensional CoAl layered double hydroxide. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45774	2.9	7
6	Application of TiO ₂ nanofluid-based coolant for jet impingement quenching of a hot steel plate. <i>Experimental Heat Transfer</i> , 2019 , 32, 322-336	2.4	7
5	Influence of Marangoni stress on the variation in number of coalescence cascade stages. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 983-994	2.3	6
4	Comparative study on different additives with a jet array on cooling of a hot steel surface. <i>Applied Thermal Engineering</i> , 2018 , 137, 154-163	5.8	3
3	Role of anisotropic pinning and liquid properties during partial rebound of droplets on unidirectionally structured hydrophobic surfaces. <i>Chemical Engineering Science</i> , 2021 , 230, 116197	4.4	2
2	Synthesis of Cu-Al LDH nanofluid and effectiveness as a promoter for CO ₂ hydrate formation. <i>Chemical Engineering Journal</i> , 2022 , 435, 134786	14.7	1
1	Microalgae Coupled Biofuel Production and Carbon Capture from Thermal Power Plant: A Biorefinery Approach. <i>Energy, Environment, and Sustainability</i> , 2022 , 325-343	0.8	