

Xiaohua Liu

List of Publications by Year in descending order

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papers

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all docs

24
docs citations

24
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon-doped hafnium oxide anti-ferroelectric thin films for energy storage. Journal of Applied Physics, 2017, 122, .	2.5	93
2	Numerical research on the dynamic characteristics of a droplet impacting a hydrophobic tube. Physics of Fluids, 2017, 29, .	4.0	58
3	Study of the surface wettability effect on dynamic characteristics of droplet impacting a tube with different curvature ratios. Experimental Thermal and Fluid Science, 2020, 115, 110060.	2.7	33
4	Experimental study of falling film evaporation heat transfer coefficient on horizontal tube. Desalination and Water Treatment, 2012, 50, 310-316.	1.0	30
5	Study of steam parameters on the performance of a TVC-MED desalination plant. Desalination and Water Treatment, 2011, 33, 300-308.	1.0	19
6	Condensation character of a stratified flow inside a horizontal tube. Desalination and Water Treatment, 2011, 33, 218-223.	1.0	15
7	Study of impact velocity and curvature ratio on the dynamic characteristics of double droplets impacting super-hydrophobic tubes. Physics of Fluids, 2021, 33, 013301.	4.0	13
8	Numerical study on dynamic characteristics of double droplets impacting a super-hydrophobic tube with different impact velocities. International Journal of Computational Fluid Dynamics, 2019, 33, 222-233.	1.2	11
9	Numerical and experimental investigation of heat and mass transfer in unsaturated porous media with low convective drying intensity. Heat Transfer - Asian Research, 2008, 37, 290-312.	2.8	10
10	The Rayleigh law in silicon doped hafnium oxide ferroelectric thin films. Physica Status Solidi - Rapid Research Letters, 2015, 9, 589-593.	2.4	10
11	The research on thermal and economic performance of solar desalination system with evacuated tube collectors. Desalination and Water Treatment, 2013, 51, 3728-3734.	1.0	9
12	The research on thermal and economic performance of solar desalination system with salinity-gradient solar pond. Desalination and Water Treatment, 2013, 51, 3735-3742.	1.0	6
13	Study of the effect of surface wettability on droplet impact on spherical surfaces. International Journal of Low-Carbon Technologies, 2020, 15, 414-420.	2.6	6
14	Research progress of droplet impact on dry curve surfaces. AIP Conference Proceedings, 2018, , .	0.4	5
15	Analysis of adjusting method for load performance of TVC-MED desalination plant. Desalination and Water Treatment, 2013, 51, 857-862.	1.0	4
16	DROPLET EJECTION AFTER IMPACTING A HYDROPHOBIC FLAT SURFACE AT DIFFERENT IMPACT VELOCITIES. Interfacial Phenomena and Heat Transfer, 2020, 8, 107-115.	0.8	4
17	Experimental Characterization of Diesel Combustion in an Electrically Preheated Porous Media Burner. Energy & Fuels, 2019, 33, 12749-12757.	5.1	3
18	Performance analysis of mixed feed LT-MED desalination system with thermal vapor compressor. Desalination and Water Treatment, 2012, 42, 248-255.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Spherical drop impact on solid surfaces: Un-damped oscillation theoretical model. AIP Conference Proceedings, 2018, , .	0.4	2
20	Numerical Simulation of n-Heptane Spray Combustion in a Porous Medium Burner. Combustion Science and Technology, 2023, 195, 313-334.	2.3	2
21	Comparative Study on Parallel Feed and Mixed Feed LT-MED Desalination Systems. , 2011, , .		1
22	Experimental Study on Humidifier Performance in a Humidification-Dehumidification System. Journal of Physics: Conference Series, 2022, 2186, 012027.	0.4	1
23	Performance Analysis of Water and Power Cogeneration System with Thermal Vapor Compressor. , 2010, , .		0
24	Effect of Eccentric Distance on Successive Dual-droplet Impacting a Super-hydrophobic Tube. E3S Web of Conferences, 2021, 299, 01002.	0.5	0