

Zili Yang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

252
citations

1040056

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g-index

19
all docs

19
docs citations

19
times ranked

124
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance investigation on the ultrasonic atomization liquid desiccant regeneration system. Applied Energy, 2016, 171, 12-25.	10.1	52
2	Improvement of the ultrasonic atomization liquid desiccant dehumidification system. Energy and Buildings, 2014, 85, 145-154.	6.7	39
3	Experimental study on mass transfer performances of the ultrasonic atomization liquid desiccant dehumidification system. Energy and Buildings, 2015, 93, 126-136.	6.7	38
4	Numerical study on dynamic thermal characteristics and optimum configuration of internal walls for intermittently heated rooms with different heating durations. Applied Thermal Engineering, 2019, 155, 437-448.	6.0	23
5	Performance study of the internally-cooled ultrasonic atomization liquid desiccant dehumidification system. Energy, 2019, 175, 745-757.	8.8	20
6	Concept of dehumidification perfectness and its potential applications. Energy, 2015, 91, 176-191.	8.8	14
7	Experimental study on the performance of the internally-heated ultrasonic atomization liquid desiccant regeneration system. Applied Thermal Engineering, 2019, 163, 114211.	6.0	13
8	Study on the Operational Economy of the Ultrasonic Atomization Liquid Desiccant Dehumidification System. Procedia Engineering, 2017, 205, 2879-2886.	1.2	12
9	Sensitivity and stability analysis on the performance of ultrasonic atomization liquid desiccant dehumidification system. Energy, 2016, 112, 1169-1183.	8.8	11
10	Aqueous lithium chloride solution as a non-toxic bactericidal and fungicidal disinfectant for air-conditioning systems: Efficacy and mechanism. Environmental Research, 2022, 212, 113112.	7.5	6
11	Analysis on the performance sensitivity and stability of the ultrasonic atomization liquid desiccant regeneration system. Science and Technology for the Built Environment, 2017, 23, 307-323.	1.7	4
12	Feasibility study on applying the mist-spraying cooling to improve the capacity of ultra-large container ships for loading reefers. Ocean Engineering, 2018, 163, 377-390.	4.3	4
13	Portable ultrasonic humidifier exacerbates indoor bioaerosol risks by raising bacterial concentrations and fueling pathogenic genera. Indoor Air, 2022, 32, .	4.3	4
14	Feasibility study on improving the performance of atomization liquid desiccant dehumidifier with standing-wave ultrasound. Energy, 2020, 205, 118101.	8.8	3
15	Development of a second-order dynamic model for quantifying impact of thermal mass on indoor thermal environment. Journal of Building Engineering, 2021, 42, 102496.	3.4	3
16	Analysis on the Significance of Effects from Operational Conditions on the Performances of Ultrasonic Atomization Dehumidifier with Liquid Desiccant. Procedia Engineering, 2015, 121, 89-94.	1.2	2
17	Simulation on Regeneration Performance for the Ultrasonic Atomization Liquid Desiccant System. Procedia Engineering, 2017, 205, 2925-2932.	1.2	2
18	Determination of cost-efficient cooling power range for improving the performance of internally cooled ultrasonic atomization liquid desiccant dehumidifiers. Indoor and Built Environment, 2020, 29, 1260-1276.	2.8	2

#	ARTICLE	IF	CITATIONS
19	Study on the Optimal Cooling Power for the Internally Cooled Ultrasonic Atomization Dehumidifier with Liquid Desiccant. Environmental Science and Engineering, 2020, , 923-932.	0.2	0