Xinli Wang

List of Publications by Year
in descending order

59 papers	719 citations	516561 16 h-index	552653 26 g-index
59 all docs	59 docs citations	59 times ranked	494 citing authors

#	Article	IF	Citations
1	A hybrid dehumidifier model for real-time performance monitoring, control and optimization in liquid desiccant dehumidification system. Applied Energy, 2013, 111, 449-455.	5.1	79
2	Hybrid Multitask Multi-Information Fusion Deep Learning for Household Short-Term Load Forecasting. IEEE Transactions on Smart Grid, 2021, 12, 5362-5372.	6.2	58
3	The influence of the area ratio on ejector efficiencies in the MED-TVC desalination system. Desalination, 2017, 413, 168-175.	4.0	53
4	Design and numerical investigation of an adaptive nozzle exit position ejector in multi-effect distillation desalination system. Energy, 2017, 140, 673-681.	4.5	52
5	Model-based optimization strategy of chiller driven liquid desiccant dehumidifier with genetic algorithm. Energy, 2015, 82, 939-948.	4.5	35
6	A global optimized operation strategy for energy savings in liquid desiccant air conditioning using self-adaptive differential evolutionary algorithm. Applied Energy, 2017, 187, 410-423.	5.1	33
7	Assessment and prediction of component efficiencies in supersonic ejector with friction losses. Applied Thermal Engineering, 2018, 129, 618-627.	3.0	33
8	Energy-efficiency-oriented cascade control for vapor compression refrigeration cycle systems. Energy, 2016, 116, 1006-1019.	4.5	32
9	Modeling and performance analyses of a batch-wise liquid desiccant air conditioning system. Building and Environment, 2019, 154, 1-12.	3.0	27
10	Performance investigation of an auto-tuning area ratio ejector for MED-TVC desalination system. Applied Thermal Engineering, 2019, 155, 470-479.	3.0	27
11	Heat and Mass Transfer Model for Desiccant Solution Regeneration Process in Liquid Desiccant Dehumidification System. Industrial & Engineering Chemistry Research, 2014, 53, 2820-2829.	1.8	26
12	Hybrid model for heat recovery heat pipe system in Liquid Desiccant Dehumidification System. Applied Energy, 2016, 182, 383-393.	5.1	24
13	A regulation strategy of working concentration in the dehumidifier of liquid desiccant air conditioner. Applied Energy, 2017, 202, 648-661.	5.1	24
14	Thermodynamic modeling and sensitivity analysis of ejector in refrigeration system. International Journal of Heat and Mass Transfer, 2018, 126, 485-492.	2.5	20
15	Study on the performance of a steam ejector with auxiliary entrainment inlet and its application in MED-TVC desalination system. Applied Thermal Engineering, 2019, 159, 113925.	3.0	18
16	Optimal design of two-stage ejector for subzero refrigeration system on fishing vessel. Applied Thermal Engineering, 2021, 187, 116565.	3.0	18
17	Optimization of Liquid Desiccant Regenerator with Multiobject Particle Swarm Optimization Algorithm. Industrial & Engineering Chemistry Research, 2014, 53, 19293-19303.	1.8	16
18	Dynamic modeling and economic model predictive control of a liquid desiccant air conditioning. Applied Energy, 2020, 259, 114174.	5.1	16

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19	Investigation of liquid desiccant regenerator with heat recovery heat pipe system. Energy and Buildings, 2017, 146, 353-363.	3.1	15
20	Investigation of liquid desiccant regenerator with fixed-plate heat recovery system. Energy, 2017, 137, 172-182.	4.5	14
21	Dynamic modeling and validation of a liquid desiccant cooling and dehumidification system. Energy and Buildings, 2018, 163, 44-57.	3.1	13
22	Dynamic model for a novel liquid desiccant regeneration system operating in vacuum condition. Energy and Buildings, 2018, 167, 69-78.	3.1	10
23	Thermodynamic model for all modes performance analysis of supersonic ejector considering non-uniform distribution of flow field. International Journal of Refrigeration, 2018, 96, 17-24.	1.8	10
24	Dehumidifier desiccant concentration soft-sensor for a distributed operating Liquid Desiccant Dehumidification System. Energy and Buildings, 2016, 129, 215-226.	3.1	8
25	Thermodynamic performance evaluation of the CO_2 parallel compression supermarket refrigeration system with a subcooler. International Journal of Energy Research, 2020, 44, 6709-6724.	2.2	8
26	Mathematical model and energy efficiency analysis of a vacuum-based liquid desiccant regenerator. Building and Environment, 2021, 192, 107629.	3.0	7
27	Hydrogen Excess Ratio Control of Ejector-based Hydrogen Recirculation PEM Fuel Cell System. , 2019, , .		5
28	Single minimal path based backup path for multi-state network. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2014, 228, 152-165.	0.6	4
29	Optimization of ejector geometric parameters with hybrid artificial fish swarm algorithm for PEM fuel cell. , 2017, , .		4
30	Investigation on the Performance of the Pump-Free Double Heat Source Ejector Refrigeration System with R1234yf. Journal of Thermal Science, 2022, 31, 1452-1464.	0.9	4
31	Performance evaluation of packed tower liquid desiccant dehumidifier based on LSSVM. , 2013, , .		3
32	Simplified Soft Sensing Model Applied in the Centralized Regenerator of a Distributed Operating Liquid Desiccant Dehumidification System. Industrial & Engineering Chemistry Research, 2016, 55, 9256-9266.	1.8	3
33	A hybrid ANN-LSTM based model for indoor temperature prediction. , 2021, , .		3
34	Fast Multi Object Detection and Counting by YOLO V3. , 2021, , .		3
35	An model for dynamic humidity control of liquid desiccant dehumidification system. , 2016, , .		2
36	Performance optimization of the dehumidifier with parallel-plate membrane modules. Energy, 2020, 194, 116829.	4.5	2

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37	A Distributed Fusion LSTM Model to Forecast Temperature and Relative Humidity in Smart Buildings. , 2021, , .		2
38	Designing and performance investigations on an ejector with auxiliary inlet for PEMFC hydrogen recirculation system. , 2021, , .		2
39	Chemical characteristics and cytotoxic correlation analysis of PM2.5 in Jinan. Air Quality, Atmosphere and Health, 2022, 15, 1465-1475.	1.5	2
40	Area ratio optimization of an ejector refrigeration system with water-cooled condenser. , 2017, , .		1
41	Temperature controller design for vapor compression refrigeration cycle systems. , 2017, , .		1
42	An Iterative Learning Model Predictive Control Strategy for Evaporator. , 2018, , .		1
43	Performance investigation of automobile waste heat recovery system for ejector refrigeration cycle. , 2018, , .		1
44	Soft-sensing of liquid desiccant concentration based on ELM. , 2013, , .		0
45	Energy saving strategy development in liquid desiccant dehumidifier by genetic algorithm. , 2015, , .		0
46	Dynamic analysis of mass transfer in a liquid desiccant dehumidifier. , 2015, , .		0
47	Refrigeration performance research and simulation of two-stage ejector with water cooled condenser. , 2017, , .		0
48	A T-S Model Based on Adaptive Fuzzy Neural Network for Liquid Desiccant Air Conditioning. , 2018, , .		0
49	A novel liquid desiccant air conditioning with batch-wise operation strategy. , 2018, , .		0
50	Experimental Investigation of Long-term Reliability for Temperature Monitoring in the Air Conditioning and Mechanical Ventilation Systems. , 2019, , .		0
51	Dynamic simulation of batch-wise solar driven liquid desiccant air conditioning with TRNSYS. , 2019, , .		0
52	Robotic Fasten Assembly using Vision and Force Sensing. , 2019, , .		0
53	Data-driven modeling and control of proton exchange membrane fuel cell with reducing overshoot. , 2021, , .		0
54	A Model Predictive controller of a direct expansion air conditioning system for simultaneous temperature and humidity control. , 2021, , .		0

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55	A model-based optimization of vapor compression refrigeration system for energy saving. , 2020, , .		0
56	Lidar guided stereo simultaneous localization and mapping (SLAM) for indoor Three-dimensional reconstruction. , 2020, , .		0
57	Research on Key Parameters of the Ejector Geometry in Solid Oxygen Fuel Cell System. , 2021, , .		0
58	Flexible auto job shop scheduling optimization based on genetic algorithm with catastrophe mechanism. , 2021, , .		0
59	Multi-AGVs dispatching strategy in automobile assembly line based on Deep Reinforcement Learning. , 2021, , .		0