Abduljalil Ali Al-Abidi

List of Publications by Year
in descending order

24 papers	2,814 citations	394421 19 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	1716 citing authors

#	Article	IF	Citations
1	Enhance heat transfer for PCM melting in triplex tube with internalâ€“external fins. Energy Conversion and Management, 2013, 74, 223-236.	9.2	385
2	Internal and external fin heat transfer enhancement technique for latent heat thermal energy storage in triplex tube heat exchangers. Applied Thermal Engineering, 2013, 53, 147-156.	6.0	365
3	Geometric and design parameters of fins employed for enhancing thermal energy storage systems: a review. Renewable and Sustainable Energy Reviews, 2018, 82, 1620-1635.	16.4	273
4	Experimental study of melting and solidification of PCM in a triplex tube heat exchanger with fins. Energy and Buildings, 2014, 68, 33-41.	6.7	265
5	Numerical study of PCM solidification in a triplex tube heat exchanger with internal and external fins. International Journal of Heat and Mass Transfer, 2013, 61, 684-695.	4.8	261
6	Review of the application of phase change material for heating and domestic hot water systems. Renewable and Sustainable Energy Reviews, 2015, 42, 557-568.	16.4	241
7	CFD applications for latent heat thermal energy storage: a review. Renewable and Sustainable Energy Reviews, 2013, 20, 353-363.	16.4	236
8	Review of thermal energy storage for air conditioning systems. Renewable and Sustainable Energy Reviews, 2012, 16, 5802-5819.	16.4	195
9	Heat transfer enhancement of phase change materials by fins under simultaneous charging and discharging. Energy Conversion and Management, 2017, 152, 136-156.	9.2	108
10	Experimental study of PCM melting in triplex tube thermal energy storage for liquid desiccant air conditioning system. Energy and Buildings, 2013, 60, 270-279.	6.7	88
11	Historical review of liquid desiccant evaporation cooling technology. Energy and Buildings, 2013, 67, 22-33.	6.7	63
12	Survey of hybrid liquid desiccant air conditioning systems. Renewable and Sustainable Energy Reviews, 2013, 20, 186-200.	16.4	49
13	Survey of liquid desiccant dehumidification system based on integrated vapor compression technology for building applications. Energy and Buildings, 2013, 62, 1-14.	6.7	44
14	Heat Transfer Enhancement for PCM Thermal Energy Storage in Triplex Tube Heat Exchanger. Heat Transfer Engineering, 2016, 37, 705-712.	1.9	40
15	Implementation and validation of an artificial neural network for predicting the performance of a liquid desiccant dehumidifier. Energy Conversion and Management, 2013, 67, 240-250.	9.2	38
16	Review: Survey of the control strategy of liquid desiccant systems. Renewable and Sustainable Energy Reviews, 2016, 58, 250-258.	16.4	38
17	Artificial neural network analysis of liquid desiccant dehumidifier performance in a solar hybrid air-conditioning system. Applied Thermal Engineering, 2013, 59, 389-397.	6.0	37
18	Thermal Performance Enhancement of Triplex Tube Latent Thermal Storage Using Fins-Nano-Phase Change Material Technique. Heat Transfer Engineering, 2018, 39, 1067-1080.	1.9	37

#	Article	IF	Citations
19	A combination of fins-nanoparticle for enhancing the discharging of phase-change material used for liquid desiccant air conditioning unite. Journal of Energy Storage, 2019, 24, 100784.	8.1	34
20	Artificial neural network analysis of liquid desiccant regenerator performance in a solar hybrid air-conditioning system. Sustainable Energy Technologies and Assessments, 2013, 4, 11-19.	2.7	12
21	Theoretical study of the effect of liquid desiccant mass flow rate on the performance of a cross flow parallel-plate liquid desiccant-air dehumidifier. Heat and Mass Transfer, 2013, 49, 1587-1593.	2.1	4
22	Experimental Study on Regenerator Performance of a Solar Hybrid Liquid Desiccant Air-Conditioning System. , 2016, , 723-730.		1
23	Computer Simulation of Heat and Mass Transfer in a Cross Flow Parallel-Plate Liquid Desiccant-Air Dehumidifier. , 2014, , 649-667.		0
24	Numerical Study of Solidification in Triplex Tube Heat Exchanger. , 2014, , 637-648.		0