

# Abdulrahman Th Mohammad

## List of Publications by Year in descending order

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35  
papers

2,362  
citations

430874

18  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1599  
citing authors

#	ARTICLE	IF	CITATIONS
1	Response surface methodology for predicting the dimethylphenol removal from wastewater via reverse osmosis process. <i>Chemical Product and Process Modeling</i> , 2021, 16, 193-203.	0.9	3
2	Modelling the chlorophenol removal from wastewater via reverse osmosis process using a multilayer artificial neural network with genetic algorithm. <i>Journal of Water Process Engineering</i> , 2020, 33, 100993.	5.6	30
3	Case study on spiral solar collector performance with lens. <i>AIMS Energy</i> , 2020, 8, 859-868.	1.9	0
4	Thermo-kinetics of Forest Waste Using Model-Free Methods. <i>Universitas Scientiarum</i> , 2019, 24, 1-31.	0.4	8
5	Roughness Surface Methodology for Predicting the Performance of Heat and Mass Transfer Process in Liquid Desiccant Dehumidifier. <i>Journal of Physics: Conference Series</i> , 2019, 1334, 012001.	0.4	0
6	An equivalent photovoltaic solar system to solve the problems of electricity in Iraqi houses. <i>AIMS Energy</i> , 2019, 7, 660-670.	1.9	4
7	Exergy Analysis of Solar LiBr-H <sub>2</sub> O Absorption System for Cooling a Building. <i>Journal of Engineering and Applied Sciences</i> , 2019, 14, 2813-2821.	0.2	0
8	Management of groundwater resources in the Al-Mansourieh zone in the Diyala River Basin in Eastern Iraq. <i>Groundwater for Sustainable Development</i> , 2018, 6, 79-86.	4.6	13
9	Thermal performance and economic evaluation of a newly developed phase change material for effective building encapsulation. <i>Energy Conversion and Management</i> , 2017, 150, 48-61.	9.2	40
10	An overview of phase change materials for construction architecture thermal management in hot and dry climate region. <i>Applied Thermal Engineering</i> , 2017, 112, 1240-1259.	6.0	93
11	PV SOLAR PANEL PERFORMANCE IN IRAQ USING MATLAB. <i>Diyala Journal of Engineering Sciences</i> , 2017, 10, 86-93.	0.3	2
12	Prediction of Convective Heat Transfer Coefficient and Temperature Distribution of Air-Conditioned Spaces Using Numerical Simulation. <i>Modern Applied Science</i> , 2016, 10, 12.	0.6	1
13	Phase Change Materials-Assisted Heat Flux Reduction: Experiment and Numerical Analysis. <i>Energies</i> , 2016, 9, 30.	3.1	16
14	A newly composed paraffin encapsulated prototype roof structure for efficient thermal management in hot climate. <i>Energy</i> , 2016, 104, 99-106.	8.8	21
15	Experimental Study on Regenerator Performance of a Solar Hybrid Liquid Desiccant Air-Conditioning System. , 2016, , 723-730.		1
16	Review: Survey of the control strategy of liquid desiccant systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 250-258.	16.4	38
17	Heat Transfer Enhancement for PCM Thermal Energy Storage in Triplex Tube Heat Exchanger. <i>Heat Transfer Engineering</i> , 2016, 37, 705-712.	1.9	40
18	Prediction of Cycle Life of Flexible Pipe Bellows. <i>International Journal of Mechanical Engineering and Applications</i> , 2015, 3, 6.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Review of Development Survey of Phase Change Material Models in Building Applications. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	9
20	Computer Simulation of Heat and Mass Transfer in a Cross Flow Parallel-Plate Liquid Desiccant-Air Dehumidifier. , 2014, , 649-667.		0
21	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
22	Numerical Study of Solidification in Triplex Tube Heat Exchanger. , 2014, , 637-648.		0
23	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
24	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
25	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
26	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
27	Enhance heat transfer for PCM melting in triplex tube with internal&quot;external fins. Energy Conversion and Management, 2013, 74, 223-236.	9.2	385
28	Historical review of liquid desiccant evaporation cooling technology. Energy and Buildings, 2013, 67, 22-33.	6.7	63
29	Survey of hybrid liquid desiccant air conditioning systems. Renewable and Sustainable Energy Reviews, 2013, 20, 186-200.	16.4	49
30	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
31	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
32	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
33	CFD applications for latent heat thermal energy storage: a review. Renewable and Sustainable Energy Reviews, 2013, 20, 353-363.	16.4	236
34	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
35	Review of thermal energy storage for air conditioning systems. Renewable and Sustainable Energy Reviews, 2012, 16, 5802-5819.	16.4	195