

Abduljalil Ali Al-Abidi

List of Publications by Year in descending order

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24
papers

2,814
citations

394421

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1716
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Experimental Study on Regenerator Performance of a Solar Hybrid Liquid Desiccant Air-Conditioning System. , 2016, , 723-730. | | 1 |
| 6 | Review: Survey of the control strategy of liquid desiccant systems. Renewable and Sustainable Energy Reviews, 2016, 58, 250-258. | 16.4 | 38 |
| 7 | Heat Transfer Enhancement for PCM Thermal Energy Storage in Triplex Tube Heat Exchanger. Heat Transfer Engineering, 2016, 37, 705-712. | 1.9 | 40 |
| 8 | 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 |
| 9 | Computer Simulation of Heat and Mass Transfer in a Cross Flow Parallel-Plate Liquid Desiccant-Air Dehumidifier. , 2014, , 649-667. | | 0 |
| 10 | 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 |
| 11 | Numerical Study of Solidification in Triplex Tube Heat Exchanger. , 2014, , 637-648. | | 0 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Enhance heat transfer for PCM melting in triplex tube with internal"external fins. Energy Conversion and Management, 2013, 74, 223-236. | 9.2 | 385 |
| 17 | Historical review of liquid desiccant evaporation cooling technology. Energy and Buildings, 2013, 67, 22-33. | 6.7 | 63 |
| 18 | Survey of hybrid liquid desiccant air conditioning systems. Renewable and Sustainable Energy Reviews, 2013, 20, 186-200. | 16.4 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Artificial neural network analysis of liquid desiccant regenerator performance in a solar hybrid air-conditioning system. <i>Sustainable Energy Technologies and Assessments</i> , 2013, 4, 11-19. | 2.7 | 12 |
| 20 | Numerical study of PCM solidification in a triplex tube heat exchanger with internal and external fins. <i>International Journal of Heat and Mass Transfer</i> , 2013, 61, 684-695. | 4.8 | 261 |
| 21 | Implementation and validation of an artificial neural network for predicting the performance of a liquid desiccant dehumidifier. <i>Energy Conversion and Management</i> , 2013, 67, 240-250. | 9.2 | 38 |
| 22 | CFD applications for latent heat thermal energy storage: a review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 20, 353-363. | 16.4 | 236 |
| 23 | Artificial neural network analysis of liquid desiccant dehumidifier performance in a solar hybrid air-conditioning system. <i>Applied Thermal Engineering</i> , 2013, 59, 389-397. | 6.0 | 37 |
| 24 | Review of thermal energy storage for air conditioning systems. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5802-5819. | 16.4 | 195 |