

Elias Papanicolaou

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

474
citations

840776

11
h-index

940533

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all docs

17
docs citations

17
times ranked

552
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Modelling the overall efficiency of parabolic trough collectors. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 40, 100756. | 2.7 | 5 |
| 2 | Experimental investigation of thermal degradation of phase change materials for medium-temperature thermal energy storage and tightness during cycling inside metal spheres. <i>Journal of Energy Storage</i> , 2020, 31, 101618. | 8.1 | 10 |
| 3 | Experimental evaluation of flat-plate heat absorbers for medium-temperature linear-focus solar systems: Composite U-bends vs straight rectangular-multi-channels. <i>Applied Thermal Engineering</i> , 2020, 175, 115364. | 6.0 | 4 |
| 4 | Performance evaluation of a linear Fresnel collector with catoptric subsets. <i>Renewable Energy</i> , 2020, 156, 68-83. | 8.9 | 5 |
| 5 | On the optimal shape of secondary reflectors for linear Fresnel collectors. <i>Renewable Energy</i> , 2019, 143, 1454-1464. | 8.9 | 20 |
| 6 | Professor Yogesh Jaluria on his 70th Birthday. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 1106-1107. | 4.8 | 0 |
| 7 | Laminar flow and heat transfer in U-bends: The effect of secondary flows in ducts with partial and full curvature. <i>International Journal of Thermal Sciences</i> , 2018, 130, 70-93. | 4.9 | 21 |
| 8 | Experimental investigation of the daily performance of an integrated linear Fresnel reflector system. <i>Solar Energy</i> , 2018, 167, 220-230. | 6.1 | 19 |
| 9 | Optical performance and instantaneous efficiency calculation of linear Fresnel solar collectors. <i>International Journal of Energy Research</i> , 2018, 42, 1247-1261. | 4.5 | 17 |
| 10 | Energetic performance assessment of solar water heating systems in the context of their energy labeling. <i>Renewable Energy</i> , 2017, 113, 554-562. | 8.9 | 8 |
| 11 | Microencapsulated dimethyl terephthalate phase change material for heat transfer fluid performance enhancement. <i>International Journal of Energy Research</i> , 2017, 41, 252-262. | 4.5 | 15 |
| 12 | Numerical simulations of constant-influx gravity currents in confined spaces: Application to thermal storage tanks. <i>International Journal of Thermal Sciences</i> , 2016, 108, 1-16. | 4.9 | 13 |
| 13 | Multi-objective design optimization of a micro heat sink for Concentrating Photovoltaic/Thermal (CPVT) systems using a genetic algorithm. <i>Applied Thermal Engineering</i> , 2013, 59, 733-744. | 6.0 | 78 |
| 14 | Theoretical formulation and experimental validation of the input-output modeling approach for large solar thermal systems. <i>Solar Energy</i> , 2010, 84, 245-255. | 6.1 | 21 |
| 15 | Evaluation of thin-layer drying models for describing drying kinetics of figs (<i>Ficus carica</i>). <i>Journal of Food Engineering</i> , 2006, 75, 205-214. | 5.2 | 169 |
| 16 | Combined heat and mass transfer in laminar flow diffusion nucleation chambers. <i>Journal of Aerosol Science</i> , 2002, 33, 797-816. | 3.8 | 14 |
| 17 | Transition to a periodic regime in mixed convection in a square cavity. <i>Journal of Fluid Mechanics</i> , 1992, 239, 489. | 3.4 | 55 |