

Yannis Caouris

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

529
citations

840776

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713466

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docs citations

24
times ranked

474
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Characteristics of the urban heat island effect, in the coastal city of Patras, Greece. <i>International Journal of Sustainable Energy</i> , 2022, 41, 556-571. | 2.4 | 2 |
| 2 | Computational Approach of Charging and Discharging Phases in a Novel Compact Solar Collector with Integrated Thermal Energy Storage Tank: Study of Different Phase Change Materials. <i>Energies</i> , 2022, 15, 1113. | 3.1 | 5 |
| 3 | Phase change materials in solar domestic hot water systems: A review. <i>International Journal of Thermofluids</i> , 2021, 10, 100075. | 7.8 | 83 |
| 4 | Degree-hours and Degree-days in Coastal Mediterranean Cities, Patras and Kalamata, Greece. <i>Advances in Environmental and Engineering Research</i> , 2021, 2, 1-1. | 0.8 | 2 |
| 5 | Life cycle assessment as a methodological tool for the optimum design of integrated collector storage solar water heaters. <i>Energy</i> , 2019, 182, 1084-1099. | 8.8 | 10 |
| 6 | Prediction of Water Vapor Concentration of Moist Air inside Batch Solar Dryers. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 2035-2039. | 0.4 | 0 |
| 7 | Integrated collector storage solar water heater under partial vacuum. <i>Energy</i> , 2017, 139, 991-1002. | 8.8 | 38 |
| 8 | The influence of air temperature and humidity on human thermal comfort over the greater Athens area. <i>Sustainable Cities and Society</i> , 2014, 10, 184-194. | 10.4 | 51 |
| 9 | Experimental study of integrated collector storage solar water heaters. <i>Renewable Energy</i> , 2013, 50, 1083-1094. | 8.9 | 44 |
| 10 | Examination of top and bottom inlet position in horizontal mantle heat exchanger solar thermosiphonic circuits. <i>International Journal of Sustainable Energy</i> , 2013, 32, 421-433. | 2.4 | 6 |
| 11 | Low Temperature Stationary Collectors. , 2012, , 103-147. | | 3 |
| 12 | On the characteristics of the summer urban heat island in Athens, Greece. <i>Sustainable Cities and Society</i> , 2011, 1, 16-28. | 10.4 | 79 |
| 13 | The Impact of Canyon Geometry on Intra Urban and Urban: Suburban Night Temperature Differences Under Warm Weather Conditions. <i>Pure and Applied Geophysics</i> , 2010, 167, 1433-1449. | 1.9 | 59 |
| 14 | Comparison of the dynamic and input-output methods in a solar domestic hot water system. <i>Renewable Energy</i> , 2010, 35, 1363-1367. | 8.9 | 5 |
| 15 | Optimal design and placement of serpentine heat exchangers for indirect heat withdrawal, inside flat plate integrated collector storage solar water heaters (ICSSWH). <i>Renewable Energy</i> , 2010, 35, 1741-1750. | 8.9 | 24 |
| 16 | Optimal arrangement of structural and functional parts in a flat plate integrated collector storage solar water heater (ICSSWH). <i>Experimental Thermal and Fluid Science</i> , 2008, 32, 1105-1117. | 2.7 | 15 |
| 17 | Experimental and numerical study of heat transfer phenomena, inside a flat-plate integrated collector storage solar water heater (ICSSWH), with indirect heat withdrawal. <i>Energy Conversion and Management</i> , 2008, 49, 3104-3115. | 9.2 | 36 |
| 18 | Experimental and computational study of the developed flow field in a flat plate integrated collector storage (ICS) solar device with recirculation. <i>Experimental Thermal and Fluid Science</i> , 2007, 31, 1133-1145. | 2.7 | 27 |

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|----|--|-----|-----------|
| 19 | Production and cost functions of water low-temperature solar desalination. Applied Economics, 1989, 21, 1177-1189. | 2.2 | 1 |
| 20 | Regional monthly estimation of greenhouse energy consumption—application to Greece. Solar & Wind Technology, 1989, 6, 225-233. | 0.2 | 7 |
| 21 | Economic aspects of low-temperature multi-effect desalination plants. Desalination, 1989, 71, 177-201. | 8.2 | 5 |
| 22 | Energy savings in water-sprayed double-covered greenhouses. Solar & Wind Technology, 1989, 6, 217-223. | 0.2 | 1 |
| 23 | Estimating the atmospheric ozone transmission for solar radiation models. Pure and Applied Geophysics, 1983, 121, 633-654. | 1.9 | 6 |
| 24 | A novel solar collector. Solar Energy, 1978, 21, 157-160. | 6.1 | 20 |