

# Yannis Caouris

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

529  
citations

840776

11  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase change materials in solar domestic hot water systems: A review. International Journal of Thermofluids, 2021, 10, 100075.	7.8	83
2	On the characteristics of the summer urban heat island in Athens, Greece. Sustainable Cities and Society, 2011, 1, 16-28.	10.4	79
3	The Impact of Canyon Geometry on Intra Urban and Urban: Suburban Night Temperature Differences Under Warm Weather Conditions. Pure and Applied Geophysics, 2010, 167, 1433-1449.	1.9	59
4	The influence of air temperature and humidity on human thermal comfort over the greater Athens area. Sustainable Cities and Society, 2014, 10, 184-194.	10.4	51
5	Experimental study of integrated collector storage solar water heaters. Renewable Energy, 2013, 50, 1083-1094.	8.9	44
6	Integrated collector storage solar water heater under partial vacuum. Energy, 2017, 139, 991-1002.	8.8	38
7	Experimental and numerical study of heat transfer phenomena, inside a flat-plate integrated collector storage solar water heater (ICSSWH), with indirect heat withdrawal. Energy Conversion and Management, 2008, 49, 3104-3115.	9.2	36
8	Experimental and computational study of the developed flow field in a flat plate integrated collector storage (ICS) solar device with recirculation. Experimental Thermal and Fluid Science, 2007, 31, 1133-1145.	2.7	27
9	Optimal design and placement of serpentine heat exchangers for indirect heat withdrawal, inside flat plate integrated collector storage solar water heaters (ICSSWH). Renewable Energy, 2010, 35, 1741-1750.	8.9	24
10	A novel solar collector. Solar Energy, 1978, 21, 157-160.	6.1	20
11	Optimal arrangement of structural and functional parts in a flat plate integrated collector storage solar water heater (ICSSWH). Experimental Thermal and Fluid Science, 2008, 32, 1105-1117.	2.7	15
12	Life cycle assessment as a methodological tool for the optimum design of integrated collector storage solar water heaters. Energy, 2019, 182, 1084-1099.	8.8	10
13	Regional monthly estimation of greenhouse energy consumption—application to Greece. Solar & Wind Technology, 1989, 6, 225-233.	0.2	7
14	Estimating the atmospheric ozone transmission for solar radiation models. Pure and Applied Geophysics, 1983, 121, 633-654.	1.9	6
15	Examination of top and bottom inlet position in horizontal mantle heat exchanger solar thermosiphonic circuits. International Journal of Sustainable Energy, 2013, 32, 421-433.	2.4	6
16	Economic aspects of low-temperature multi-effect desalination plants. Desalination, 1989, 71, 177-201.	8.2	5
17	Comparison of the dynamic and input-output methods in a solar domestic hot water system. Renewable Energy, 2010, 35, 1363-1367.	8.9	5
18	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. Energies, 2022, 15, 1113.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Low Temperature Stationary Collectors. , 2012, , 103-147.		3
20	Characteristics of the urban heat island effect, in the coastal city of Patras, Greece. International Journal of Sustainable Energy, 2022, 41, 556-571.	2.4	2
21	Degree-hours and Degree-days in Coastal Mediterranean Cities, Patras and Kalamata, Greece. Advances in Environmental and Engineering Research, 2021, 2, 1-1.	0.8	2
22	Production and cost functions of water low-temperature solar desalination. Applied Economics, 1989, 21, 1177-1189.	2.2	1
23	Energy savings in water-sprayed double-covered greenhouses. Solar & Wind Technology, 1989, 6, 217-223.	0.2	1
24	Prediction of Water Vapor Concentration of Moist Air inside Batch Solar Dryers. Revista De Chimie (discontinued), 2018, 69, 2035-2039.	0.4	0