

# 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

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

552  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Transition to a periodic regime in mixed convection in a square cavity. <i>Journal of Fluid Mechanics</i> , 1992, 239, 489.	3.4	55
4	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
5	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
6	On the optimal shape of secondary reflectors for linear Fresnel collectors. <i>Renewable Energy</i> , 2019, 143, 1454-1464.	8.9	20
7	Experimental investigation of the daily performance of an integrated linear Fresnel reflector system. <i>Solar Energy</i> , 2018, 167, 220-230.	6.1	19
8	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
9	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
10	Combined heat and mass transfer in laminar flow diffusion nucleation chambers. <i>Journal of Aerosol Science</i> , 2002, 33, 797-816.	3.8	14
11	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
12	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
13	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
14	Modelling the overall efficiency of parabolic trough collectors. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 40, 100756.	2.7	5
15	Performance evaluation of a linear Fresnel collector with catoptric subsets. <i>Renewable Energy</i> , 2020, 156, 68-83.	8.9	5
16	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
17	Professor Yogesh Jaluria on his 70th Birthday. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 1106-1107.	4.8	0