

Timothy N Anderson

List of Publications by Year in descending order

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36
papers

788
citations

687363

13
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of a building integrated photovoltaic/thermal (BIPVT) solar collector. Solar Energy, 2009, 83, 445-455.	6.1	168
2	Seasonal performance rating of heat pump water heaters. Solar Energy, 2004, 76, 147-152.	6.1	102
3	Optimal sizing of a wind-photovoltaic-battery hybrid renewable energy system considering socio-demographic factors. Solar Energy, 2016, 136, 525-532.	6.1	99
4	Hourly global solar irradiation forecasting for New Zealand. Solar Energy, 2015, 122, 1398-1408.	6.1	82
5	Performance of a V-trough photovoltaic/thermal concentrator. Solar Energy, 2014, 101, 19-27.	6.1	40
6	Effect of load pattern on solar-boosted heat pump water heater performance. Solar Energy, 2007, 81, 1386-1395.	6.1	32
7	The feasibility of long range battery electric cars in New Zealand. Energy Policy, 2009, 37, 3455-3462.	8.8	27
8	Performance of a building integrated photovoltaic/thermal concentrator for facade applications. Solar Energy, 2017, 153, 562-573.	6.1	27
9	An experimental investigation of turbulent forced convection heat transfer by a multi-walled carbon-nanotube nanofluid. International Communications in Heat and Mass Transfer, 2014, 57, 286-290.	5.6	26
10	The impact of the parabolic dish concentrator on the wind induced heat loss from its receiver. Solar Energy, 2017, 151, 95-101.	6.1	25
11	Modeling of convective heat loss from a cavity receiver coupled to a dish concentrator. Solar Energy, 2018, 176, 496-505.	6.1	25
12	Experimental determination of natural convection heat transfer coefficients in an attic shaped enclosure. International Communications in Heat and Mass Transfer, 2010, 37, 360-363.	5.6	22
13	A numerical study on interactions between three short natural draft dry cooling towers In an in-line arrangement. International Journal of Thermal Sciences, 2021, 159, 106505.	4.9	15
14	Designing for thermal comfort near a glazed exterior wall. Architectural Science Review, 2012, 55, 186-195.	2.2	14
15	Natural convection heat transfer in V-trough solar concentrators. Solar Energy, 2013, 95, 224-228.	6.1	12
16	Natural convection heat transfer in facade integrated solar concentrators. Solar Energy, 2015, 122, 271-276.	6.1	12
17	Artificial Neural Network-Particle Swarm Optimization (ANN-PSO) Approach for Behaviour Prediction and Structural Optimization of Lightweight Sandwich Composite Heliostats. Arabian Journal for Science and Engineering, 2021, 46, 12721-12742.	3.0	12
18	Suppression of natural convection heat transfer coefficients in an attic shaped enclosure. International Communications in Heat and Mass Transfer, 2010, 37, 984-986.	5.6	11

#	ARTICLE	IF	CITATIONS
19	The analogy between heat and mass transfer in low temperature crossflow evaporation. International Communications in Heat and Mass Transfer, 2017, 86, 126-130.	5.6	8
20	Flow Behaviour and Aerodynamic Loading on a Stand-Alone Heliostat: Wind Incidence Effect. Arabian Journal for Science and Engineering, 2021, 46, 7303-7321.	3.0	7
21	CONVECTION SUPPRESSION IN A TRIANGULAR-SHAPED ENCLOSURE. Computational Thermal Sciences, 2009, 1, 309-321.	0.9	5
22	Characterising the heat and mass transfer coefficients for a crossflow interaction of air and water. International Journal of Heat and Mass Transfer, 2017, 111, 94-104.	4.8	3
23	Impact of tower spacing on the performance of multiple short natural draft dry cooling towers for calm conditions. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 885-894.	1.4	3
24	Prediction of Electricity Consumption for Residential Houses in New Zealand. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 165-172.	0.3	2
25	Effect of Insertion of the Dish on the Behaviour of the Convective Heat Loss. Arabian Journal for Science and Engineering, 2020, 45, 989-1000.	3.0	2
26	The effect of sociodemographic diversity of residential customers on the financial risk experienced in the retail electricity market. International Journal of Energy Research, 2020, 44, 11676-11690.	4.5	2
27	Maximizing photovoltaic array energy usage within a house using model predictive control. , 2017, , .		1
28	A generalized economic model for optimally selecting forecasted load profiles for measuring demand response in residential energy management system. International Journal of Energy Research, 2021, 45, 16262-16283.	4.5	1
29	The Impact Of Residential Energy Management Systems On Electricity Retail Portfolios. , 2020, , .		1
30	An improved typical meteorological year for solar energy simulations in Rarotonga, Cook Islands. Journal of the Royal Society of New Zealand, 2022, 52, 606-613.	1.9	1
31	A Comparison of Electromagnetic Behaviour in Classical and Mutually Coupled Switched Reluctance Generators. , 2021, , .		1
32	The effect of wind on the convective heat transfer from the floor of single-sided naturally ventilated cubical enclosures. Architectural Science Review, 2020, 63, 417-424.	2.2	0
33	A Parametric Examination of the Factors Affecting the Performance of a Diffusion Absorption Refrigeration System. Journal of Thermal Science and Engineering Applications, 0, , 1-38.	1.5	0
34	SIZING OPTIMIZATION OF WIND-PHOTOVOLTAIC HYBRID ENERGY SYSTEMS UNDER TRANSIENT LOAD. International Journal of Power and Energy Systems, 2013, 33, .	0.2	0
35	Fluid-structure interaction analysis of a lightweight sandwich composite structure for solar central receiver heliostats. Mechanics Based Design of Structures and Machines, 0, , 1-30.	4.7	0
36	A Novel Generalised Model for Residential Energy Management System. Itinerarios De Trabajo Social, 2022, 1, 134-158.	0.3	0