Paul Cooper

List of Publications by Year
in descending order

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73 papers	3,515 citations	126708 33 h-index	138251 58 g-index
74 all docs	74 docs citations	74 times ranked	3413 citing authors

#	Article	IF	Citations
1	Air-to-air enthalpy exchangers: Membrane modification using metal-organic frameworks, characterisation and performance assessment. Journal of Cleaner Production, 2021, 293, 126157.	4.6	9
2	Indoor temperatures and energy use in NSW social housing. Energy and Buildings, 2021, 249, 111240.	3.1	12
3	Towards an environmentally sustainable rental housing sector. Housing Studies, 2021, 36, 397-420.	1.6	11
4	Experimental investigation and performance evaluation of a mixed-flow air to air membrane enthalpy exchanger with different configurations. Applied Thermal Engineering, 2020, 166, 114682.	3.0	15
5	Thermodynamic analysis and design optimisation of a cross flow air to air membrane enthalpy exchanger. Energy, 2020, 202, 117691.	4.5	11
6	Moisture diffusion measurement and evaluation for porous membranes used in enthalpy exchangers. Energy Procedia, 2019, 160, 499-506.	1.8	7
7	Development and evaluation of a comfort-oriented control strategy for thermal management of mixed-mode ventilated buildings. Energy and Buildings, 2019, 202, 109347.	3.1	32
8	Storying energy consumption: Collective video storytelling in energy efficiency social marketing. Journal of Environmental Management, 2018, 213, 1-10.	3.8	19
9	Thermal perceptions, preferences and adaptive behaviours of occupants of nursing homes. Building and Environment, 2018, 132, 57-69.	3.0	49
10	Empirically testing the concept of value-in-behavior and its relevance for social marketing. Journal of Business Research, 2018, 82, 56-67.	5.8	54
11	Look before you LIEEP. Journal of Social Marketing, 2018, 8, 99-119.	1.3	14
12	Qualitative analysis of the use of building performance simulation for retrofitting lower quality office buildings in Australia. Energy and Buildings, 2018, 181, 84-94.	3.1	9
13	Formulation of a model predictive control algorithm to enhance the performance of a latent heat solar thermal system. Energy Conversion and Management, 2018, 173, 438-449.	4.4	40
14	Source and boundary condition effects on unconfined and confined vertically distributed turbulent plumes. Journal of Fluid Mechanics, 2018, 850, 1032-1065.	1.4	11
15	Indoor Air Temperature and Agitation of Nursing Home Residents With Dementia. American Journal of Alzheimer's Disease and Other Dementias, 2017, 32, 272-281.	0.9	31
16	Retrofitting for wildfire resilience: What is the cost?. International Journal of Disaster Risk Reduction, 2017, 21, 1-10.	1.8	27
17	Thermal Comfort Evaluation of a Mixed-mode Ventilated Office Building with Advanced Natural Ventilation and Underfloor air Distribution Systems. Energy Procedia, 2017, 111, 520-529.	1.8	14
18	Impact of a Pilot Draught Sealing Program on Public Housing Air Permeability. Energy Procedia, 2017, 121, 18-25.	1.8	3

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19	Relationship Between Indoor Air Temperatures And Energy Bills For Low Income Homes In Australia. Energy Procedia, 2017, 121, 174-181.	1.8	2
20	Numerical analysis of indoor thermal comfort in a cross-ventilated space with top-hung windows. Energy Procedia, 2017, 121, 222-229.	1.8	10
21	A social marketer, a geographer, and an engineer walk into a bar. Journal of Social Marketing, 2017, 7, 366-386.	1.3	7
22	Assessing the performance of solar thermal driven membrane distillation for seawater desalination by computer simulation. Journal of Membrane Science, 2017, 542, 133-142.	4.1	54
23	Thermal Environment and Thermal Sensations of Occupants of Nursing Homes: A Field Study. Procedia Engineering, 2017, 180, 373-382.	1.2	17
24	Development of a dynamic model for a hybrid photovoltaic thermal collector â€“ Solar air heater with fins. Renewable Energy, 2017, 101, 816-834.	4.3	63
25	Hybrid model predictive control of a residential HVAC system with on-site thermal energy generation and storage. Applied Energy, 2017, 187, 465-479.	5.1	108
26	Factors governing mass transfer during membrane electrodialysis regeneration of LiCl solution for liquid desiccant dehumidification systems. Sustainable Cities and Society, 2017, 28, 30-41.	5.1	35
27	Membrane scaling and prevention techniques during seawater desalination by air gap membrane distillation. Desalination, 2016, 397, 92-100.	4.0	68
28	Evaluating energy consumption of air gap membrane distillation for seawater desalination at pilot scale level. Separation and Purification Technology, 2016, 166, 55-62.	3.9	144
29	Thermal performance investigation and optimization of buildings with integrated phase change materials and solar photovoltaic thermal collectors. Energy and Buildings, 2016, 116, 562-573.	3.1	69
30	Using electrodialysis for regeneration of aqueous lithium chloride solution in liquid desiccant air conditioning systems. Energy and Buildings, 2016, 116, 285-295.	3.1	66
31	Social marketing and value in behaviour?. Journal of Social Marketing, 2016, 6, 144-168.	1.3	54
32	Theoretical Consideration of Superconducting Coils for Compact Superconducting Magnetic Energy Storage Systems. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	16
33	Tyrannies of thrift: Governmentality and older, low-income peopleâ€™s energy efficiency narratives in the Illawarra, Australia. Energy Policy, 2016, 90, 37-45.	4.2	38
34	Hybrid Model Predictive Control of a Residential HVAC System with PVT Energy Generation and PCM Thermal Storage. Energy Procedia, 2015, 83, 21-30.	1.8	35
35	Development and optimization of an innovative HVAC system with integrated PVT and PCM thermal storage for a net-zero energy retrofitted house. Energy and Buildings, 2015, 94, 21-32.	3.1	131
36	Optimising thermal efficiency of direct contact membrane distillation by brine recycling for small-scale seawater desalination. Desalination, 2015, 374, 1-9.	4.0	102

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37	Osmotic dilution for sustainable greenwall irrigation by liquid fertilizer: Performance and implications. Journal of Membrane Science, 2015, 494, 32-38.	4.1	44
38	Feasibility Study of the Manufacturing Process of Soil-Cement Blocks for the Construction of Masonry Aiming to Eliminate the Settling Mortar Application. Key Engineering Materials, 2014, 600, 166-174.	0.4	1
39	Innovative interlocked soilâ€"cement block for the construction of masonry to eliminate the settling mortar. Construction and Building Materials, 2014, 52, 391-395.	3.2	27
40	Understanding the risks and uncertainties introduced by common assumptions in energy simulations for Australian commercial buildings. Energy and Buildings, 2014, 75, 382-393.	3.1	46
41	Nonlinear 2D analysis of the efficiency of fixed Oscillating Water Column wave energy converters. Renewable Energy, 2014, 64, 255-265.	4.3	97
42	Development and evaluation of a ceiling ventilation system enhanced by solar photovoltaic thermal collectors and phase change materials. Energy Conversion and Management, 2014, 88, 218-230.	4.4	112
43	Hydrodynamic and energetic properties of a finite array of fixed oscillating water column wave energy converters. Ocean Engineering, 2014, 88, 131-148.	1.9	28
44	Optimal design of vertical ground heat exchangers by using entropy generation minimization method and genetic algorithms. Energy Conversion and Management, 2014, 87, 128-137.	4.4	50
45	A dynamic model for air-based photovoltaic thermal systems working under real operating conditions. Applied Energy, 2014, 132, 216-225.	5.1	63
46	Implications of global warming for commercial building retrofitting in Australian cities. Building and Environment, 2014, 74, 86-95.	3.0	30
47	Implementing Departmental Peer Observation of Teaching in Universities. , 2014, , 151-164.		5
48	Peer observation of teaching in university departments: a framework for implementation. International Journal for Academic Development, 2013, 18, 60-73.	0.8	47
49	On the Efficiency of Oscillating Water Column (OWC) Devices in Converting Ocean Wave Energy to Electricity Under Weakly Nonlinear Waves. , 2012, , .		2
50	Existing building retrofits: Methodology and state-of-the-art. Energy and Buildings, 2012, 55, 889-902.	3.1	861
51	A finite-element study of the efficiency of arrays of oscillating water column wave energy converters. Ocean Engineering, 2012, 43, 72-81.	1.9	68
52	A Finite Element Model for Efficiency of a Moored Floating OWC Device in Regular Waves. , 2011, , .		1
53	Roof mounting site analysis for micro-wind turbines. Renewable Energy, 2011, 36, 1379-1391.	4.3	136
54	System Identification of a Floating Oscillating Water Column Wave Energy Converter. , 2011, , .		1

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55	The ventilated filling box containing a vertically distributed source of buoyancy. Journal of Fluid Mechanics, 2010, 646, 39-58.	1.4	37
56	Development and analysis of vertical-axis wind turbines. WIT Transactions on State-of-the-art in Science and Engineering, 2010, , 277-302.	0.0	7
57	Impinging axisymmetric turbulent fountains. Physics of Fluids, 2007, 19, .	1.6	9
58	Experimental Investigation of Air Entrainment in Free-Falling Particle Plumes. Particulate Science and Technology, 2007, 25, 357-373.	1.1	20
59	Controlling dust emissions and explosion hazards in powder handling plants. Chemical Engineering and Processing: Process Intensification, 2005, 44, 323-326.	1.8	56
60	Flow generated by colliding laminar natural convection boundary layers. International Communications in Heat and Mass Transfer, 2002, 29, 67-76.	2.9	1
61	Thermal stratification produced by plumes and jets in enclosed spaces. Building and Environment, 2001, 36, 871-882.	3.0	61
62	Double chamber calorimeter (DCC): a new approach to measure induction motor harmonic losses. IEEE Transactions on Energy Conversion, 1999, 14, 680-685.	3.7	57
63	Natural ventilation of an enclosure containing two buoyancy sources. Journal of Fluid Mechanics, 1996, 311, 153.	1.4	71
64	Multiple sources of buoyancy in a naturally ventilated enclosure. Journal of Fluid Mechanics, 1996, 311, 177.	1.4	76
65	Temperature distribution and fluid flow in an enclosure with localised heating and cooling. International Communications in Heat and Mass Transfer, 1995, 22, 729-739.	2.9	1
66	Air Entrainment and Dust Generation from a Falling Stream of Bulk Material. KONA Powder and Particle Journal, 1995, 13, 125-134.	0.9	49
67	EHD Enhancement of Nucleate Boiling. Journal of Heat Transfer, 1990, 112, 458-464.	1.2	54
68	Condensation risk prediction: Addition of a condensation model to BREDEM. Building Services Engineering Research and Technology, 1988, 9, 117-125.	0.9	6
69	Fin-type cold bridges: Heat loss and surface temperature. Building Services Engineering Research and Technology, 1987, 8, 21-27.	0.9	0
70	The Highlands Close group solar heating scheme. International Journal of Ambient Energy, 1986, 7, 197-206.	1.4	0
71	The Senftleben effect â€" chance or chimera?. Electronics and Power, 1984, 30, 807.	0.0	2
72	Double-chamber calorimeter, a new approach to measure induction motor harmonic losses. , 0, , .		1

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73	A 10 kVA load power quality testing facility. , 0, , .		0