

Dong Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

1,739
citations

23
h-index

40
g-index

76
ext. papers

2,000
ext. citations

5
avg, IF

5.03
L-index

#	Paper	IF	Citations
73	Comparison of residential thermal comfort in two different climates in Australia. <i>Building and Environment</i> , 2022 , 211, 108706	6.5	1
72	Developing a window behaviour model incorporating A/C operation states. <i>Building and Environment</i> , 2022 , 214, 108953	6.5	
71	Consumer cost savings, improved thermal comfort, and reduced peak air conditioning demand through pre-cooling in Australian housing. <i>Energy and Buildings</i> , 2022 , 112172	7	0
70	Cost-Saving through Pre-Cooling: A Case Study of Sydney. <i>Environmental Sciences Proceedings</i> , 2021 , 12, 2	1	2
69	A Machine Learning approach to enhance indoor thermal comfort in a changing climate. <i>Journal of Physics: Conference Series</i> , 2021 , 2042, 012070	0.3	0
68	Performance gap in a multi-storey student accommodation complex built to Passivhaus standard. <i>Building and Environment</i> , 2021 , 194, 107704	6.5	2
67	Water table depth data for use in modelling residential building ground-coupled heat transfer. <i>Cleaner Engineering and Technology</i> , 2021 , 3, 100096	2.7	2
66	An experimental study on the thermal effects of slab-edge-insulation for slab-on-grade housing in a moderate Australian climate. <i>Energy and Buildings</i> , 2021 , 235, 110675	7	2
65	Effects of substrate depth and native plants on green roof thermal performance in South-East Australia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 022057	0.3	0
64	An international review of occupant-related aspects of building energy codes and standards. <i>Building and Environment</i> , 2020 , 179, 106906	6.5	38
63	On the impact of internal gains and comfort band on the effectiveness of building thermal zoning 2020 , 225, 110320-110320		1
62	Effective thermal conductivity of high porosity open-cell metal foams. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 147, 118974	4.9	24
61	A correlation-based model for building ground-coupled heat loss calculation using Artificial Neural Network techniques. <i>Journal of Building Performance Simulation</i> , 2020 , 13, 48-58	2.8	3
60	Heat Loss Via Concrete Slab Floors With External Vertical Edge Insulations. <i>Heat Transfer Engineering</i> , 2020 , 41, 800-813	1.7	3
59	Feasibility of off-grid housing under current and future climates. <i>Applied Energy</i> , 2019 , 241, 196-211	10.7	8
58	Evaluation of a whole-house energy simulation tool against measured data. <i>Energy and Buildings</i> , 2018 , 171, 116-130	7	9
57	Modelling study of the impact of thermal comfort criteria on housing energy use in Australia. <i>Applied Energy</i> , 2018 , 210, 152-166	10.7	37

56	Substrate Depth, Vegetation and Irrigation Affect Green Roof Thermal Performance in a Mediterranean Type Climate. <i>Sustainability</i> , 2017 , 9, 1451	3.6	17
55	Thermal management of solar cells using a nano-coated heat pipe plate: an indoor experimental study. <i>International Journal of Energy Research</i> , 2017 , 41, 867-876	4.5	12
54	Heat Loss via Concrete Slab Floors in Australian Houses. <i>Procedia Engineering</i> , 2017 , 205, 108-115		10
53	Steady-state and transient thermal measurements of green roof substrates. <i>Energy and Buildings</i> , 2016 , 131, 123-131	7	24
52	Evaluation of photovoltaic panel temperature in realistic scenarios. <i>Energy Conversion and Management</i> , 2016 , 108, 60-67	10.6	54
51	Projecting future temperature-related mortality in three largest Australian cities. <i>Environmental Pollution</i> , 2016 , 208, 66-73	9.3	50
50	Developing Australian green roofs: overview of a 5-year research program. <i>Acta Horticulturae</i> , 2016 , 345-352	0.3	1
49	A comparison of three models on air infiltration for residential building energy simulation. <i>International Journal of Ventilation</i> , 2016 , 1-13	1.1	1
48	An integrated approach to modelling end-use energy and water consumption of Australian households. <i>Sustainable Cities and Society</i> , 2016 , 26, 344-353	10.1	17
47	Estimation of air infiltration for Australian housing energy analysis. <i>Journal of Building Physics</i> , 2015 , 39, 69-96	2.6	18
46	Experimental study of the prediction of the ventilation flow rate through solar chimney with large gap-to-height ratios. <i>Building and Environment</i> , 2015 , 89, 150-159	6.5	64
45	A method to measure total atmospheric long-wave down-welling radiation using a low cost infrared thermometer tilted to the vertical. <i>Energy</i> , 2015 , 81, 233-244	7.9	8
44	Learning from thermal mavericks in Australia: comfort studies in Melbourne and Darwin. <i>Architectural Science Review</i> , 2015 , 58, 57-66	2.6	14
43	Three-dimensional steady-state ground heat transfer for multi-zone buildings. <i>Journal of Building Performance Simulation</i> , 2015 , 8, 44-56	2.8	5
42	Simulation of Air Infiltration of Australian Housing and its Impact on Energy Consumption. <i>Energy Procedia</i> , 2015 , 78, 2717-2723	2.3	6
41	Exploration of the health risk-based definition for heatwave: A multi-city study. <i>Environmental Research</i> , 2015 , 142, 696-702	7.9	37
40	The Impacts of Heatwaves on Mortality Differ with Different Study Periods: A Multi-City Time Series Investigation. <i>PLoS ONE</i> , 2015 , 10, e0134233	3.7	11
39	Summer cooling potential of urban vegetation modeling study for Melbourne, Australia. <i>AIMS Environmental Science</i> , 2015 , 2, 648-667	1.9	6

38	Unified solutions for steady-state ground-coupled heat transfer. <i>Energy and Buildings</i> , 2014 , 68, 444-459	10	
37	Heat stress within energy efficient dwellings in Australia. <i>Architectural Science Review</i> , 2014 , 57, 227-236	6	
36	Urban vegetation for reducing heat related mortality. <i>Environmental Pollution</i> , 2014 , 192, 275-84	9.3 74	
35	Pathways for adaptation of low-income housing to extreme heat 2014 , 364-371		
34	The impact of heatwaves on mortality in Australia: a multicity study. <i>BMJ Open</i> , 2014 , 4, e003579	3 60	
33	Constructing weather data for building simulation considering urban heat island. <i>Building Services Engineering Research and Technology</i> , 2014 , 35, 69-82	2.3 16	
32	Steady-state heat transfer through a slab-on-ground floor over a constant temperature water table. <i>Heat and Mass Transfer</i> , 2013 , 49, 1795-1801	2.2 6	
31	Dynamic three-dimensional heat transfer calculation for uninsulated slab-on-ground constructions. <i>Energy and Buildings</i> , 2013 , 60, 420-428	7 12	
30	Multi-criteria heatwave vulnerability assessment of residential wall systems. <i>Energy and Buildings</i> , 2013 , 66, 373-383	7 4	
29	A model for predicting household end-use energy consumption and greenhouse gas emissions in Australia. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2013 , 4, 210-228	40	
28	Climate Change Impacts on Housing Energy Consumption and its Adaptation Pathways. <i>Springer Environmental Science and Engineering</i> , 2013 , 207-221		
27	Multi-parameter sensitivity analysis: A design methodology applied to energy efficiency in temperate climate houses. <i>Energy and Buildings</i> , 2012 , 55, 668-673	7 12	
26	Selection of climatic variables and time scales for future weather preparation in building heating and cooling energy predictions. <i>Energy and Buildings</i> , 2012 , 51, 223-233	7 16	
25	Periodically reversible supply/exhaust ventilation strategy. <i>Building and Environment</i> , 2011 , 46, 2590-2597	5 9	
24	Global warming and its implication to emission reduction strategies for residential buildings. <i>Building and Environment</i> , 2011 , 46, 871-883	6.5 52	
23	Climate change adaptation pathways for Australian residential buildings. <i>Building and Environment</i> , 2011 , 46, 2398-2412	6.5 71	
22	Correlation of oxygen vacancy concentration and thermoelectric properties in Na _{0.73} CoO ₂ □	<i>Applied Physics Letters</i> , 2010 , 96, 141905	3.4 27
21	Enhanced air flow modelling for AccuRate – A nationwide house energy rating tool in Australia. <i>Building and Environment</i> , 2010 , 45, 1276-1286	6.5 27	

20	Assessment of climate change impact on residential building heating and cooling energy requirement in Australia. <i>Building and Environment</i> , 2010 , 45, 1663-1682	6.5	230
19	Texturing Behaviors and Kinetics of NaCo ₂ O ₄ Thermoelectric Materials. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1908-1911	3.8	8
18	Numerical Study of Two Air Intake Strategies for a New Fire Laboratory. <i>Journal of Fire Protection Engineering</i> , 2007 , 17, 27-40		1
17	Experimental and CFD evidence of multiple solutions in a naturally ventilated building. <i>Indoor Air</i> , 2004 , 14, 43-54	5.4	51
16	A balance-point method for assessing the effect of natural ventilation on indoor particle concentrations. <i>Atmospheric Environment</i> , 2003 , 37, 4277-4285	5.3	59
15	Shear rate dependent thermal conductivity measurement of two fruit juice concentrates. <i>Journal of Food Engineering</i> , 2003 , 57, 217-224	6	18
14	Fine bubble modelling of smoke flows. <i>Fire Safety Journal</i> , 2003 , 38, 285-298	3.3	1
13	An experimental investigation of a solar chimney model with uniform wall heat flux. <i>Building and Environment</i> , 2003 , 38, 893-906	6.5	163
12	Buoyancy-driven displacement natural ventilation in a single-zone building with three-level openings. <i>Building and Environment</i> , 2002 , 37, 295-303	6.5	34
11	Natural ventilation in an enclosure induced by a heat source distributed uniformly over a vertical wall. <i>Building and Environment</i> , 2001 , 36, 493-501	6.5	19
10	Experimental modelling of buoyancy-driven flows in buildings using a fine-bubble technique. <i>Building and Environment</i> , 2001 , 36, 447-455	6.5	11
9	Some examples of solution multiplicity in natural ventilation. <i>Building and Environment</i> , 2001 , 36, 851-858.	5.5	53
8	A Study of Agitated Gas-Liquid Reactors with Concave Blade Impellers 2000 , 43-56		2
7	Comparison of Mass Transfer Performance for Various Single and Twin Impellers. <i>Chemical Engineering Research and Design</i> , 1999 , 77, 104-109	5.5	18
6	A simple analysis of heat transfer near an oscillating interface. <i>Chemical Engineering Science</i> , 1998 , 53, 947-950	4.4	5
5	Bubble coverage and bubble resistance using cells with horizontal electrode. <i>Journal of Applied Electrochemistry</i> , 1998 , 28, 1141-1145	2.6	49
4	Local heat transfer for oscillatory flow in the presence of a single baffle within a channel. <i>Chemical Engineering Science</i> , 1998 , 53, 3177-3180	4.4	9
3	Liquid-solid mass transfer from a wall in contact with a gas/liquid interface undergoing wave motion. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 1998 , 29, 563-567	2.5	

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| 2 | Exploring the reaction kinetics of whey protein denaturation/aggregation by assuming the denaturation step is reversible. <i>Biochemical Engineering Journal</i> , 1998 , 2, 63-69 | 4.2 | 23 |
| 1 | Effects of an oscillating interface on heat transfer. <i>Chemical Engineering Science</i> , 1997 , 52, 3265-3275 | 4.4 | 19 |