

# Ruey-Lung Hwang

## List of Publications by Citations

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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.

40 papers	2,292 citations	21 h-index	42 g-index
42 ext. papers	2,599 ext. citations	5.7 avg, IF	5.27 L-index

#	Paper	IF	Citations
40	Shading effect on long-term outdoor thermal comfort. <i>Building and Environment</i> , <b>2010</b> , 45, 213-221	6.5	375
39	Seasonal effects of urban street shading on long-term outdoor thermal comfort. <i>Building and Environment</i> , <b>2011</b> , 46, 863-870	6.5	199
38	Field experiments on thermal comfort in campus classrooms in Taiwan. <i>Energy and Buildings</i> , <b>2006</b> , 38, 53-62	7	160
37	Effect of thermal adaptation on seasonal outdoor thermal comfort. <i>International Journal of Climatology</i> , <b>2011</b> , 31, 302-312	3.5	148
36	Quantification of the effect of thermal indices and sky view factor on park attendance. <i>Landscape and Urban Planning</i> , <b>2012</b> , 107, 137-146	7.7	133
35	Satisfaction of occupants toward indoor environment quality of certified green office buildings in Taiwan. <i>Building and Environment</i> , <b>2014</b> , 72, 232-242	6.5	132
34	Thermal perceptions, general adaptation methods and occupant's idea about the trade-off between thermal comfort and energy saving in hot/humid regions. <i>Building and Environment</i> , <b>2009</b> , 44, 1128-1134	6.5	116
33	Effects of temperature steps on human skin physiology and thermal sensation response. <i>Building and Environment</i> , <b>2011</b> , 46, 2387-2397	6.5	104
32	Thermal Comfort Requirements for Occupants of Semi-Outdoor and Outdoor Environments in Hot-Humid Regions. <i>Architectural Science Review</i> , <b>2007</b> , 50, 357-364	2.6	100
31	Carbon dioxide emissions generated by energy consumption of hotels and homestay facilities in Taiwan. <i>Tourism Management</i> , <b>2014</b> , 42, 13-21	10.8	87
30	Building envelope regulations on thermal comfort in glass facade buildings and energy-saving potential for PMV-based comfort control. <i>Building and Environment</i> , <b>2011</b> , 46, 824-834	6.5	84
29	Future trends of residential building cooling energy and passive adaptation measures to counteract climate change: The case of Taiwan. <i>Applied Energy</i> , <b>2016</b> , 184, 1230-1240	10.7	82
28	Linking occupants' thermal perception and building thermal performance in naturally ventilated school buildings. <i>Applied Energy</i> , <b>2012</b> , 94, 355-363	10.7	81
27	Patient thermal comfort requirement for hospital environments in Taiwan. <i>Building and Environment</i> , <b>2007</b> , 42, 2980-2987	6.5	81
26	Investigating the adaptive model of thermal comfort for naturally ventilated school buildings in Taiwan. <i>International Journal of Biometeorology</i> , <b>2009</b> , 53, 189-200	3.7	75
25	Outdoor thermal comfort characteristics in the hot and humid region from a gender perspective. <i>International Journal of Biometeorology</i> , <b>2014</b> , 58, 1927-39	3.7	60
24	Implementation of green building specification credits for better thermal conditions in naturally ventilated school buildings. <i>Building and Environment</i> , <b>2015</b> , 86, 141-150	6.5	36

23	Thermal Comfort for Urban Parks in Subtropics: Understanding Visitor Perceptions, Behavior and Attendance. <i>Advances in Meteorology</i> , <b>2013</b> , 2013, 1-8	1.7	31
22	Spatial and temporal analysis of urban heat island and global warming on residential thermal comfort and cooling energy in Taiwan. <i>Energy and Buildings</i> , <b>2017</b> , 152, 804-812	7	26
21	Subjective responses and comfort reception in transitional spaces for guests versus staff. <i>Building and Environment</i> , <b>2008</b> , 43, 2013-2021	6.5	25
20	Passenger thermal perceptions, thermal comfort requirements, and adaptations in short- and long-haul vehicles. <i>International Journal of Biometeorology</i> , <b>2010</b> , 54, 221-30	3.7	21
19	Parametric study on energy and thermal performance of school buildings with natural ventilation, hybrid ventilation and air conditioning. <i>Indoor and Built Environment</i> , <b>2016</b> , 25, 1148-1162	1.8	16
18	Simplification and adjustment of the energy consumption indices of office building envelopes in response to climate change. <i>Applied Energy</i> , <b>2018</b> , 230, 460-470	10.7	16
17	An improved assessment model of variable frequency-driven direct expansion air-conditioning system in commercial buildings for Taiwan green building rating system. <i>Building and Environment</i> , <b>2007</b> , 42, 3582-3588	6.5	12
16	Performance-rating-based approach to formulate a new envelope index for commercial buildings in perspective of energy efficiency and thermal comfort. <i>Applied Energy</i> , <b>2020</b> , 264, 114725	10.7	9
15	Effect of fee-for-service air-conditioning management in balancing thermal comfort and energy usage. <i>International Journal of Biometeorology</i> , <b>2014</b> , 58, 1941-50	3.7	8
14	Influence of Urban Microclimate on Air-Conditioning Energy Needs and Indoor Thermal Comfort in Houses. <i>Advances in Meteorology</i> , <b>2015</b> , 2015, 1-9	1.7	8
13	Evaluation and mapping of building overheating risk and air conditioning use due to the urban heat island effect. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101726	5.2	8
12	Generating hourly local weather data with high spatially resolution and the applications in bioclimatic performance. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 1262-1271	10.2	7
11	A study on the parameter ranges of the locally supplied air in a task ambient conditioning system with chest exposure. <i>Science and Technology for the Built Environment</i> , <b>2018</b> , 24, 238-247	1.8	6
10	The influence of air-conditioning managerial scheme in hybrid-ventilated classrooms on students' thermal perception. <i>Indoor and Built Environment</i> , <b>2015</b> , 24, 761-770	1.8	5
9	Comparison of the evaluation method for building energy consumption in Taiwan-EEWH with USGBC-LEED Green Building Rating System <b>2011</b> ,		3
8	<b>2011</b> ,		2
7	Comfort Temperature and Preferred Temperature in Taiwan <b>2018</b> , 155-163		2
6	Analysis of Incorporating a Phase Change Material in a Roof for the Thermal Management of School Buildings in Hot-Humid Climates. <i>Buildings</i> , <b>2021</b> , 11, 248	3.2	2

- 5 Creating glazed facades performance map based on energy and thermal comfort perspective for office building design strategies in Asian hot-humid climate zone. *Applied Energy*, **2022**, 311, 118689 10.7 2
- 4 Considerations on envelope design criteria for hybrid ventilation thermal management of school buildings in hot-humid climates. *Energy Reports*, **2021**, 7, 5834-5845 4.6 1
- 3 Strengthening Taiwan's Green Building Certification System from Aspects of Productivity and Energy Costs to Provide a Healthier Workplace. *Atmosphere*, **2022**, 13, 118 2.7 0
- 2 Influence of waste eggshell powder on combustion characteristics of cork-based materials. *Materials Letters*, **2010**, 64, 987-989 3.3
- 1 Occupants' Behavior in Taiwan **2018**, 247-251