Julian Wang

List of Publications by Year
in descending order

38 papers	498 citations	759233 12 h-index	713466 21 g-index
39 all docs	39 docs citations	39 times ranked	258 citing authors

#	Article	IF	Citations
1	How indoor environmental quality affects occupantsâ€™ cognitive functions: A systematic review. Building and Environment, 2021, 193, 107647.	6.9	72
2	Spectral selective and photothermal nano structured thin films for energy efficient windows. Applied Energy, 2017, 208, 83-96.	10.1	69
3	Space cooling energy usage prediction based on utility data for residential buildings using machine learning methods. Applied Energy, 2021, 291, 116814.	10.1	43
4	Preparation and properties of capric acid: Stearic acid/hydrophobic expanded perlite-aerogel composite phase change materials. Renewable Energy, 2021, 179, 1027-1035.	8.9	37
5	Data-driven personal thermal comfort prediction: A literature review. Renewable and Sustainable Energy Reviews, 2022, 161, 112357.	16.4	34
6	Applications of Shape Memory Polymers in Kinetic Buildings. Advances in Materials Science and Engineering, 2018, 2018, 1-13.	1.8	33
7	Steel corrosion prediction based on support vector machines. Chaos, Solitons and Fractals, 2020, 136, 109807.	5.1	30
8	Experimental and numerical analysis of the energy performance of building windows with solar NIR-driven plasmonic photothermal effects. Energy Conversion and Management, 2021, 245, 114594.	9.2	19
9	Approximation of building window properties using in situ measurements. Building and Environment, 2020, 169, 106590.	6.9	15
10	Energy savings potential of reversible photothermal windows with near infrared-selective plasmonic nanofilms. Energy Conversion and Management, 2022, 263, 115705.	9.2	15
11	Predicting indoor concentrations of black carbon in residential environments. Atmospheric Environment, 2019, 201, 223-230.	4.1	14
12	A parametric study of the combined effects of window property and air vent placement. Indoor and Built Environment, 2019, 28, 345-361.	2.8	13
13	Clustering of visible and infrared solar irradiance for solar architecture design and analysis. Renewable Energy, 2021, 165, 668-677.	8.9	12
14	A spectrally-resolved method for evaluating the solar effect on user thermal comfort in the near-window zone. Building and Environment, 2021, 202, 108044.	6.9	12
15	Quantifying potential dynamic faÃ§ade energy savings in early design using constrained optimization. Building and Environment, 2022, 221, 109265.	6.9	11
16	Condensation effects on energy performance of building window systems. Energy Reports, 2021, 7, 7345-7357.	5.1	9
17	Investigation on the lighting/heating performance of tubular daylighting devices (TDDs) based on nanofluids. Energy and Buildings, 2022, 263, 112028.	6.7	8
18	Solar infrared radiation towards building energy efficiency: measurement, data, and modeling. Environmental Reviews, 2020, 28, 457-465.	4.5	6

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19	A BIM-Based Coordination Support System for Emergency Response. IEEE Access, 2021, 9, 68814-68825.	4.2	5
20	The Effect of Electric Bridge Lighting at Night on Mayfly Activity. Energies, 2021, 14, 2934.	3.1	5
21	Thermal Conditions Controlled by Thermostats: An Occupational Comfort and Well-being Perspective. Civil Engineering and Architecture, 2017, 5, 173-179.	0.4	5
22	Effect of Ambient Bright Light on Behavioral and Psychological Symptoms in People With Dementia: A Systematic Review. Innovation in Aging, 2022, 6, .	0.1	5
23	Thermal performance and condensation risk of single-pane glazing with low emissivity coatings. MRS Advances, 2020, 5, 2555-2564.	0.9	4
24	The Energy-related Impacts of Social Factors of Rural Houses in Southwest China. Energy Procedia, 2014, 57, 1555-1564.	1.8	3
25	Smart Building and Construction Materials. Advances in Materials Science and Engineering, 2019, 2019, 1-2.	1.8	3
26	Parameterizing the Curvilinear Roofs of Traditional Chinese Architecture. Nexus Network Journal, 2021, 23, 475-492.	0.7	3
27	Optimized Operation of an Existing Public Building Chilled Station Using TRNSYS. Buildings, 2018, 8, 87.	3.1	2
28	Constructing prototypical building models based on the similarity theory coupled with entropy weight method. Science and Technology for the Built Environment, 2020, 26, 90-100.	1.7	2
29	Design and development of a low-cost glazing measurement system. MethodsX, 2020, 7, 101028.	1.6	2
30	Design of Real-Time Individualized Comfort Monitor System Used in Healthcare Facilities. Lecture Notes in Computer Science, 2020, , 261-270.	1.3	2
31	Parametric Energy Simulation Methods for Solar-NIR Selective Glazing Systems. Journal of Physics: Conference Series, 2021, 2069, 012129.	0.4	2
32	Thermal performance and condensation risk of single-pane glazing with low emissivity coatings - ADDENDUM. MRS Advances, 2020, 5, 2611-2611.	0.9	1
33	BIMIL: Automatic Generation of BIM-Based Indoor Localization User Interface for Emergency Response. Communications in Computer and Information Science, 2020, , 184-192.	0.5	1
34	Data in Architecture: Structure and Context. Technology Architecture and Design, 2019, 3, 128-129.	0.2	0
35	Research Methods for Assessing the Thermal and Optical Performance of Building Windows. , 2021, , 1-31.		0
36	Thermal performance of silica aerogel-filled double-layer glazing in a subtropical climate. Materials Express, 2021, 11, 974-981.	0.5	0

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37	Simplified Model for Analyzing Shortwave Solar Effects on Indoor Thermal Comfort. Journal of Physics: Conference Series, 2021, 2069, 012158.	0.4	0
38	Entrapment of Airborne Particles via Simulated Highway Noise-Induced Piezoelectricity in PMMA and EPDM. Energies, 2022, 15, 4935.	3.1	0