

Julian Wang

List of Publications by Year in descending order

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38
papers

498
citations

759233

12
h-index

713466

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39
all docs

39
docs citations

39
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Ambient Bright Light on Behavioral and Psychological Symptoms in People With Dementia: A Systematic Review. <i>Innovation in Aging</i> , 2022, 6, .	0.1	5
2	Investigation on the lighting/heating performance of tubular daylighting devices (TDDs) based on nanofluids. <i>Energy and Buildings</i> , 2022, 263, 112028.	6.7	8
3	Data-driven personal thermal comfort prediction: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112357.	16.4	34
4	Energy savings potential of reversible photothermal windows with near infrared-selective plasmonic nanofilms. <i>Energy Conversion and Management</i> , 2022, 263, 115705.	9.2	15
5	Entrapment of Airborne Particles via Simulated Highway Noise-Induced Piezoelectricity in PMMA and EPDM. <i>Energies</i> , 2022, 15, 4935.	3.1	0
6	Quantifying potential dynamic facade energy savings in early design using constrained optimization. <i>Building and Environment</i> , 2022, 221, 109265.	6.9	11
7	Parameterizing the Curvilinear Roofs of Traditional Chinese Architecture. <i>Nexus Network Journal</i> , 2021, 23, 475-492.	0.7	3
8	Clustering of visible and infrared solar irradiance for solar architecture design and analysis. <i>Renewable Energy</i> , 2021, 165, 668-677.	8.9	12
9	Research Methods for Assessing the Thermal and Optical Performance of Building Windows. , 2021, , 1-31.		0
10	A BIM-Based Coordination Support System for Emergency Response. <i>IEEE Access</i> , 2021, 9, 68814-68825.	4.2	5
11	How indoor environmental quality affects occupants's cognitive functions: A systematic review. <i>Building and Environment</i> , 2021, 193, 107647.	6.9	72
12	The Effect of Electric Bridge Lighting at Night on Mayfly Activity. <i>Energies</i> , 2021, 14, 2934.	3.1	5
13	Thermal performance of silica aerogel-filled double-layer glazing in a subtropical climate. <i>Materials Express</i> , 2021, 11, 974-981.	0.5	0
14	Space cooling energy usage prediction based on utility data for residential buildings using machine learning methods. <i>Applied Energy</i> , 2021, 291, 116814.	10.1	43
15	A spectrally-resolved method for evaluating the solar effect on user thermal comfort in the near-window zone. <i>Building and Environment</i> , 2021, 202, 108044.	6.9	12
16	Experimental and numerical analysis of the energy performance of building windows with solar NIR-driven plasmonic photothermal effects. <i>Energy Conversion and Management</i> , 2021, 245, 114594.	9.2	19
17	Preparation and properties of capric acid: Stearic acid/hydrophobic expanded perlite-aerogel composite phase change materials. <i>Renewable Energy</i> , 2021, 179, 1027-1035.	8.9	37
18	Condensation effects on energy performance of building window systems. <i>Energy Reports</i> , 2021, 7, 7345-7357.	5.1	9

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19	Simplified Model for Analyzing Shortwave Solar Effects on Indoor Thermal Comfort. Journal of Physics: Conference Series, 2021, 2069, 012158.	0.4	0
20	Parametric Energy Simulation Methods for Solar-NIR Selective Glazing Systems. Journal of Physics: Conference Series, 2021, 2069, 012129.	0.4	2
21	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
22	Approximation of building window properties using in situ measurements. Building and Environment, 2020, 169, 106590.	6.9	15
23	Solar infrared radiation towards building energy efficiency: measurement, data, and modeling. Environmental Reviews, 2020, 28, 457-465.	4.5	6
24	Thermal performance and condensation risk of single-pane glazing with low emissivity coatings - ADDENDUM. MRS Advances, 2020, 5, 2611-2611.	0.9	1
25	Design and development of a low-cost glazing measurement system. MethodsX, 2020, 7, 101028.	1.6	2
26	Steel corrosion prediction based on support vector machines. Chaos, Solitons and Fractals, 2020, 136, 109807.	5.1	30
27	Thermal performance and condensation risk of single-pane glazing with low emissivity coatings. MRS Advances, 2020, 5, 2555-2564.	0.9	4
28	Design of Real-Time Individualized Comfort Monitor System Used in Healthcare Facilities. Lecture Notes in Computer Science, 2020, , 261-270.	1.3	2
29	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
30	Predicting indoor concentrations of black carbon in residential environments. Atmospheric Environment, 2019, 201, 223-230.	4.1	14
31	Smart Building and Construction Materials. Advances in Materials Science and Engineering, 2019, 2019, 1-2.	1.8	3
32	Data in Architecture: Structure and Context. Technology Architecture and Design, 2019, 3, 128-129.	0.2	0
33	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
34	Optimized Operation of an Existing Public Building Chilled Station Using TRNSYS. Buildings, 2018, 8, 87.	3.1	2
35	Applications of Shape Memory Polymers in Kinetic Buildings. Advances in Materials Science and Engineering, 2018, 2018, 1-13.	1.8	33
36	Spectral selective and photothermal nano structured thin films for energy efficient windows. Applied Energy, 2017, 208, 83-96.	10.1	69

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37	Thermal Conditions Controlled by Thermostats: An Occupational Comfort and Well-being Perspective. Civil Engineering and Architecture, 2017, 5, 173-179.	0.4	5
38	The Energy-related Impacts of Social Factors of Rural Houses in Southwest China. Energy Procedia, 2014, 57, 1555-1564.	1.8	3