

Weilong Zhang

List of Publications by Year in descending order

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16
papers

677
citations

933264

10
h-index

940416

16
g-index

16
all docs

16
docs citations

16
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of the energy saving potential of a semi-transparent photovoltaic double-skin facade in a cool-summer Mediterranean climate. <i>Applied Energy</i> , 2016, 165, 345-356.	5.1	197
2	Comparison of the overall energy performance of semi-transparent photovoltaic windows and common energy-efficient windows in Hong Kong. <i>Energy and Buildings</i> , 2016, 128, 511-518.	3.1	84
3	Evaluation of potential benefits of solar photovoltaic shadings in Hong Kong. <i>Energy</i> , 2017, 137, 1152-1158.	4.5	74
4	Simulation-based approach to optimize passively designed buildings: A case study on a typical architectural form in hot and humid climates. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1712-1725.	8.2	72
5	Numerical investigation of a novel vacuum photovoltaic curtain wall and integrated optimization of photovoltaic envelope systems. <i>Applied Energy</i> , 2018, 229, 1048-1060.	5.1	46
6	A comprehensive sensitivity study of major passive design parameters for the public rental housing development in Hong Kong. <i>Energy</i> , 2015, 93, 1804-1818.	4.5	38
7	Preparation and overall energy performance assessment of wide waveband two-component transparent NIR shielding coatings. <i>Solar Energy Materials and Solar Cells</i> , 2017, 168, 119-129.	3.0	35
8	Investigation on the energy performance of a novel semi-transparent BIPV system integrated with vacuum glazing. <i>Building Simulation</i> , 2019, 12, 29-39.	3.0	35
9	Performance Evaluation of Vacuum Photovoltaic Insulated Glass Unit. <i>Energy Procedia</i> , 2017, 105, 322-326.	1.8	30
10	Overall energy assessment of semi-transparent photovoltaic insulated glass units for building integration under different climate conditions. <i>Renewable Energy</i> , 2019, 134, 818-827.	4.3	24
11	Thermal and daylighting performance of glass window using a newly developed transparent heat insulated coating. <i>Energy Procedia</i> , 2019, 158, 1080-1085.	1.8	10
12	A Proposed New Weighting System for Passive Design Approach in BEAM Plus. <i>Energy Procedia</i> , 2017, 105, 2113-2118.	1.8	9
13	Year-round-based optimization of high&low control in the regenerative indirect evaporative cooler (RIEC). <i>Science and Technology for the Built Environment</i> , 2019, 25, 1394-1405.	0.8	8
14	Energy performance and heat transfer characteristics of photovoltaic double skin facades (PV-DSFs): a review. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1502-1515.	2.5	7
15	Exploring the optimization potential of thermal and power performance for a low-energy high-rise building. <i>Energy Procedia</i> , 2019, 158, 2469-2474.	1.8	5
16	Overall Energy Performance Assessment of a New Heat Blocking Coating. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2019, 7, 1-12.	0.9	3