

Yanyi Sun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Integrated semi-transparent cadmium telluride photovoltaic glazing into windows: Energy and daylight performance for different architecture designs. <i>Applied Energy</i> , 2018, 231, 972-984.	5.1	86
2	A Review of Transparent Insulation Material (TIM) for building energy saving and daylight comfort. <i>Applied Energy</i> , 2018, 226, 713-729.	5.1	72
3	A review of thermal and optical characterisation of complex window systems and their building performance prediction. <i>Applied Energy</i> , 2018, 222, 729-747.	5.1	63
4	Comprehensive evaluation of window-integrated semi-transparent PV for building daylight performance. <i>Renewable Energy</i> , 2020, 145, 1399-1411.	4.3	63
5	Evaluation of the thermal and optical performance of thermochromic windows for office buildings in China. <i>Energy and Buildings</i> , 2018, 176, 216-231.	3.1	60
6	Analysis of the daylight performance of window integrated photovoltaics systems. <i>Renewable Energy</i> , 2020, 145, 153-163.	4.3	49
7	Analysis of the daylight performance of a glazing system with Parallel Slat Transparent Insulation Material (PS-TIM). <i>Energy and Buildings</i> , 2017, 139, 616-633.	3.1	44
8	Development of a comprehensive method to analyse glazing systems with Parallel Slat Transparent Insulation material (PS-TIM). <i>Applied Energy</i> , 2017, 205, 951-963.	5.1	31
9	Optical aspects and energy performance of switchable ethylene-tetrafluoroethylene (ETFE) foil cushions. <i>Applied Energy</i> , 2018, 229, 335-351.	5.1	30
10	An optimal and comparison study on daylight and overall energy performance of double-glazed photovoltaics windows in cold region of China. <i>Energy</i> , 2019, 170, 356-366.	4.5	30
11	Experimental measurement and numerical simulation of the thermal performance of a double glazing system with an interstitial Venetian blind. <i>Building and Environment</i> , 2016, 103, 111-122.	3.0	28
12	Thermal evaluation of a double glazing facade system with integrated Parallel Slat Transparent Insulation Material (PS-TIM). <i>Building and Environment</i> , 2016, 105, 69-81.	3.0	28
13	Glazing systems with Parallel Slats Transparent Insulation Material (PS-TIM): Evaluation of building energy and daylight performance. <i>Energy and Buildings</i> , 2018, 159, 213-227.	3.1	28
14	Energy and daylight performance of a smart window: Window integrated with thermotropic parallel slat-transparent insulation material. <i>Applied Energy</i> , 2021, 293, 116826.	5.1	24
15	Numerical investigation of a smart window system with thermotropic Parallel Slat Transparent Insulation Material for building energy conservation and daylight autonomy. <i>Building and Environment</i> , 2021, 203, 108048.	3.0	24
16	An exploration of the combined effects of NIR and VIS spectrally selective thermochromic materials on building performance. <i>Energy and Buildings</i> , 2019, 201, 149-162.	3.1	20
17	Switching daylight: Performance prediction of climate adaptive ETFE foil facades. <i>Building and Environment</i> , 2022, 209, 108650.	3.0	14
18	Mechanical analysis of photovoltaic panels with various boundary condition. <i>Renewable Energy</i> , 2020, 145, 242-260.	4.3	13

#	ARTICLE	IF	CITATIONS
19	Study on the Energy Saving Potential for Semi-Transparent PV Window in Southwest China. <i>Energies</i> , 2018, 11, 3239.	1.6	12
20	Integrated CdTe PV glazing into windows: energy and daylight performance for different window-to-wall ratio. <i>Energy Procedia</i> , 2019, 158, 3014-3019.	1.8	12
21	Investigation of Mg-Y coated gasochromic smart windows for building applications. <i>Building Simulation</i> , 2019, 12, 99-112.	3.0	12
22	Thermal and Optical Analysis of a Passive Heat Recovery and Storage System for Greenhouse Skin. <i>Procedia Engineering</i> , 2016, 155, 472-478.	1.2	7
23	Cooperative Performance of Potentially Developed Thermochromic Glazing under Different Climates. <i>Energy Procedia</i> , 2019, 158, 3094-3100.	1.8	4
24	Prototype optical modelling procedure and outdoor characterization of an embedded polyolefin crossed compound parabolic concentrator for integrated photovoltaic windows. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0