

# Yanyi Sun

## List of Publications by Year in Descending Order

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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.

23  
papers

453  
citations

14  
h-index

21  
g-index

25  
ext. papers

598  
ext. citations

7.3  
avg, IF

4.27  
L-index

#	Paper	IF	Citations
23	Switching daylight: Performance prediction of climate adaptive ETFE foil façades. <i>Building and Environment</i> , <b>2022</b> , 209, 108650	6.5	1
22	Energy and daylight performance of a smart window: Window integrated with thermotropic parallel slat-transparent insulation material. <i>Applied Energy</i> , <b>2021</b> , 293, 116826	10.7	9
21	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> , <b>2021</b> , 203, 108048	6.5	6
20	Analysis of the daylight performance of window integrated photovoltaics systems. <i>Renewable Energy</i> , <b>2020</b> , 145, 153-163	8.1	23
19	Comprehensive evaluation of window-integrated semi-transparent PV for building daylight performance. <i>Renewable Energy</i> , <b>2020</b> , 145, 1399-1411	8.1	35
18	Mechanical analysis of photovoltaic panels with various boundary condition. <i>Renewable Energy</i> , <b>2020</b> , 145, 242-260	8.1	6
17	Cooperative Performance of Potentially Developed Thermochromic Glazing under Different Climates. <i>Energy Procedia</i> , <b>2019</b> , 158, 3094-3100	2.3	2
16	Integrated CdTe PV glazing into windows: energy and daylight performance for different window-to-wall ratio. <i>Energy Procedia</i> , <b>2019</b> , 158, 3014-3019	2.3	7
15	An exploration of the combined effects of NIR and VIS spectrally selective thermochromic materials on building performance. <i>Energy and Buildings</i> , <b>2019</b> , 201, 149-162	7	14
14	An optimal and comparison study on daylight and overall energy performance of double-glazed photovoltaics windows in cold region of China. <i>Energy</i> , <b>2019</b> , 170, 356-366	7.9	16
13	Investigation of Mg-Y coated gasochromic smart windows for building applications. <i>Building Simulation</i> , <b>2019</b> , 12, 99-112	3.9	9
12	A review of thermal and optical characterisation of complex window systems and their building performance prediction. <i>Applied Energy</i> , <b>2018</b> , 222, 729-747	10.7	45
11	Glazing systems with Parallel Slats Transparent Insulation Material (PS-TIM): Evaluation of building energy and daylight performance. <i>Energy and Buildings</i> , <b>2018</b> , 159, 213-227	7	18
10	Evaluation of the thermal and optical performance of thermochromic windows for office buildings in China. <i>Energy and Buildings</i> , <b>2018</b> , 176, 216-231	7	41
9	Optical aspects and energy performance of switchable ethylene-tetrafluoroethylene (ETFE) foil cushions. <i>Applied Energy</i> , <b>2018</b> , 229, 335-351	10.7	21
8	A Review of Transparent Insulation Material (TIM) for building energy saving and daylight comfort. <i>Applied Energy</i> , <b>2018</b> , 226, 713-729	10.7	44
7	Study on the Energy Saving Potential for Semi-Transparent PV Window in Southwest China. <i>Energies</i> , <b>2018</b> , 11, 3239	3.1	7

6	Integrated semi-transparent cadmium telluride photovoltaic glazing into windows: Energy and daylight performance for different architecture designs. <i>Applied Energy</i> , <b>2018</b> , 231, 972-984	10.7	48
5	Analysis of the daylight performance of a glazing system with Parallel Slat Transparent Insulation Material (PS-TIM). <i>Energy and Buildings</i> , <b>2017</b> , 139, 616-633	7	28
4	Development of a comprehensive method to analyse glazing systems with Parallel Slat Transparent Insulation material (PS-TIM). <i>Applied Energy</i> , <b>2017</b> , 205, 951-963	10.7	27
3	Thermal and Optical Analysis of a Passive Heat Recovery and Storage System for Greenhouse Skin. <i>Procedia Engineering</i> , <b>2016</b> , 155, 472-478		7
2	Thermal evaluation of a double glazing façade system with integrated Parallel Slat Transparent Insulation Material (PS-TIM). <i>Building and Environment</i> , <b>2016</b> , 105, 69-81	6.5	17
1	Experimental measurement and numerical simulation of the thermal performance of a double glazing system with an interstitial Venetian blind. <i>Building and Environment</i> , <b>2016</b> , 103, 111-122	6.5	22