Yanyi Sun

List of Publications by Citations

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	Integrated semi-transparent cadmium telluride photovoltaic glazing into windows: Energy and daylight performance for different architecture designs. *Applied Energy*, **2018**, 231, 972-984	10.7	48
22	A review of thermal and optical characterisation of complex window systems and their building performance prediction. *Applied Energy*, **2018**, 222, 729-747	10.7	45
21	A Review of Transparent Insulation Material (TIM) for building energy saving and daylight comfort. *Applied Energy*, **2018**, 226, 713-729	10.7	44
20	Evaluation of the thermal and optical performance of thermochromic windows for office buildings in China. *Energy and Buildings*, **2018**, 176, 216-231	7	41
19	Comprehensive evaluation of window-integrated semi-transparent PV for building daylight performance. *Renewable Energy*, **2020**, 145, 1399-1411	8.1	35
18	Analysis of the daylight performance of a glazing system with Parallel Slat Transparent Insulation Material (PS-TIM). *Energy and Buildings*, **2017**, 139, 616-633	7	28
17	Development of a comprehensive method to analyse glazing systems with Parallel Slat Transparent Insulation material (PS-TIM). *Applied Energy*, **2017**, 205, 951-963	10.7	27
16	Analysis of the daylight performance of window integrated photovoltaics systems. *Renewable Energy*, **2020**, 145, 153-163	8.1	23
15	Experimental measurement and numerical simulation of the thermal performance of a double glazing system with an interstitial Venetian blind. *Building and Environment*, **2016**, 103, 111-122	6.5	22
14	Optical aspects and energy performance of switchable ethylene-tetrafluoroethylene (ETFE) foil cushions. *Applied Energy*, **2018**, 229, 335-351	10.7	21
13	Glazing systems with Parallel Slats Transparent Insulation Material (PS-TIM): Evaluation of building energy and daylight performance. *Energy and Buildings*, **2018**, 159, 213-227	7	18
12	Thermal evaluation of a double glazing façade system with integrated Parallel Slat Transparent Insulation Material (PS-TIM). *Building and Environment*, **2016**, 105, 69-81	6.5	17
11	An optimal and comparison study on daylight and overall energy performance of double-glazed photovoltaics windows in cold region of China. *Energy*, **2019**, 170, 356-366	7.9	16
10	An exploration of the combined effects of NIR and VIS spectrally selective thermochromic materials on building performance. *Energy and Buildings*, **2019**, 201, 149-162	7	14
9	Investigation of Mg-Y coated gasochromic smart windows for building applications. *Building Simulation*, **2019**, 12, 99-112	3.9	9
8	Energy and daylight performance of a smart window: Window integrated with thermotropic parallel slat-transparent insulation material. *Applied Energy*, **2021**, 293, 116826	10.7	9
7	Integrated CdTe PV glazing into windows: energy and daylight performance for different window-to-wall ratio. *Energy Procedia*, **2019**, 158, 3014-3019	2.3	7

List of Publications

6	Thermal and Optical Analysis of a Passive Heat Recovery and Storage System for Greenhouse Skin. *Procedia Engineering*, **2016**, 155, 472-478		7
5	Study on the Energy Saving Potential for Semi-Transparent PV Window in Southwest China. *Energies*, **2018**, 11, 3239	3.1	7
4	Mechanical analysis of photovoltaic panels with various boundary condition. *Renewable Energy*, **2020**, 145, 242-260	8.1	6
3	Numerical investigation of a smart window system with thermotropic Parallel Slat Transparent Insulation Material for building energy conservation and daylight autonomy. *Building and Environment*, **2021**, 203, 108048	6.5	6
2	Cooperative Performance of Potentially Developed Thermochromic Glazing under Different Climates. *Energy Procedia*, **2019**, 158, 3094-3100	2.3	2
1	Switching daylight: Performance prediction of climate adaptive ETFE foil fa□des. *Building and Environment*, **2022**, 209, 108650	6.5	1