

Sabine Hoffmann

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

342
citations

1162367

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839053

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23
all docs

23
docs citations

23
times ranked

330
citing authors

#	ARTICLE	IF	CITATIONS
1	Examination of the technical potential of near-infrared switching thermochromic windows for commercial building applications. <i>Solar Energy Materials and Solar Cells</i> , 2014, 123, 65-80.	3.0	101
2	Balancing daylight, glare, and energy-efficiency goals: An evaluation of exterior coplanar shading systems using complex fenestration modeling tools. <i>Energy and Buildings</i> , 2016, 112, 279-298.	3.1	70
3	An empirical study of a full-scale polymer thermochromic window and its implications on material science development objectives. <i>Solar Energy Materials and Solar Cells</i> , 2013, 116, 14-26.	3.0	50
4	Angular selective window systems: Assessment of technical potential for energy savings. <i>Energy and Buildings</i> , 2015, 90, 188-206.	3.1	33
5	Climate-Based Analysis for the Potential Use of Coconut Oil as Phase Change Material in Buildings. <i>Sustainability</i> , 2021, 13, 10731.	1.6	9
6	Controlling Switchable Electrochromic Glazing for Energy Savings, Visual Comfort and Thermal Comfort: A Model Predictive Control. <i>CivilEng</i> , 2021, 2, 1019-1053.	0.8	9
7	Preliminary study of thermal comfort in buildings with PV-powered thermoelectric surfaces for radiative cooling. <i>Energy Procedia</i> , 2017, 121, 87-94.	1.8	8
8	Exploring the potential of dynamic facade systems: an exterior shading system versus a switchable window. <i>Bauphysik</i> , 2020, 42, 277-288.	1.2	7
9	Assessment of the Potential to Achieve very Low Energy Use in Public Buildings in China with Advanced Window and Shading Systems. <i>Buildings</i> , 2015, 5, 668-699.	1.4	6
10	The influence of macro-encapsulated PCM panel's geometry on heat transfer in a ceiling application. <i>Advances in Building Energy Research</i> , 2022, 16, 445-465.	1.1	6
11	Analysis of the Potential of Decentralized Heating and Cooling Systems to Improve Thermal Comfort and Reduce Energy Consumption through an Adaptive Building Controller. <i>Energies</i> , 2022, 15, 1100.	1.6	6
12	Influence of PV-powered thermoelectric surfaces for user-individual radiative cooling on the cooling energy demand of buildings. <i>Energy Procedia</i> , 2017, 132, 15-20.	1.8	4
13	A Novel Approach to Enhance the Generalization Capability of the Hourly Solar Diffuse Horizontal Irradiance Models on Diverse Climates. <i>Energies</i> , 2020, 13, 4868.	1.6	3
14	Calculation of View Factors for Building Simulations with an Open-Source Raytracing Tool. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2768.	1.3	3
15	A multi-objective evaluation for envelope refurbishments with electrochromic glazing. <i>Results in Engineering</i> , 2022, 14, 100417.	2.2	2
16	A Reinforcement Learning-Based Approach to Automate the Electrochromic Glass and to Enhance the Visual Comfort. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6949.	1.3	1
17	DEVELOPMENT OF A DISTANCE LEARNING PLATFORM BASED ON A NETWORK OF CONNECTED LABS TO STUDY THE ENERGY PERFORMANCE OF BUILDINGS SYSTEMS. <i>EDULEARN Proceedings</i> , 2021, , .	0.0	0