Mcekon

List of Publications by Year
in descending order

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		1039406	752256
46	465	9	20
papers	citations	h-index	g-index

47	47	47	271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Simple Trombe Wall Enhanced with a Phase Change Material: Building Performance Study. Smart Innovation, Systems and Technologies, 2022, , 281-291.	0.5	6
2	Lightweight concrete from a perspective of sustainable reuse of waste byproducts. Construction and Building Materials, 2022, 319, 126061.	3.2	64
3	Biobased phase change materials from a perspective of recycling, resources conservation and green buildings. Energy and Buildings, 2022, 270, 112280.	3.1	10
4	Reliability Study of Equilibrium Moisture Content Methods for Sorption/Desorption Isotherms Determination of Autoclaved Aerated Concrete. Applied Sciences (Switzerland), 2021, 11, 824.	1.3	5
5	Inorganic phase change materials in thermal energy storage: A review on perspectives and technological advances in building applications. Energy and Buildings, 2021, 252, 111443.	3.1	85
6	Thermal performance of ceramic hollow brick modified with low emissivity coating. AIP Conference Proceedings, 2021, , .	0.3	1
7	Experimental and numerical study on the thermal performance of polycarbonate panels. Journal of Building Engineering, 2020, 32, 101715.	1.6	4
8	Research challenges and opportunities in transparent PCM-incorporated systems. AIP Conference Proceedings, 2020, , .	0.3	0
9	Preparation and Characterization of a Selective Polymer-Based Solar Absorber for Building Integration. Applied Sciences (Switzerland), 2020, 10, 7861.	1.3	9
10	The effect of PCM layer on the natural air flow movement in the faÃ§ade cavity of BiPV system. E3S Web of Conferences, 2020, 172, 19007.	0.2	3
11	Climate response of a BiPV faÃ§ade system enhanced with latent PCM-based thermal energy storage. Renewable Energy, 2020, 152, 368-384.	4.3	55
12	Coupled transparent insulation system with low emissivity solar absorber: An experimentally validated building energy simulation study. Science and Technology for the Built Environment, 2020, 26, 511-523.	0.8	4
13	An Evaluation of the Structure of Energy Consumption in Educational Buildings in Poland After Thermal Retrofitting. Slovak Journal of Civil Engineering, 2020, 28, 29-37.	0.2	1
14	The longwave sky radiation effect on the condensation risk of ventilated double-skin roof structures. AIP Conference Proceedings, 2020, , .	0.3	2
15	A Nondestructive Indirect Approach to Long-Term Wood Moisture Monitoring Based on Electrical Methods. Materials, 2019, 12, 2373.	1.3	7
16	PCM Integrated in BiPV Ventilated FaÃ§ade Concepts: Experimental Test Cell Platform and Initial Full-Scale Measurements. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012072.	0.2	12
17	Vapor diffusion in wood frame wall: Case study of vapor barrier performance. AIP Conference Proceedings, 2019, , .	0.3	0
18	Monitoring the Effective Ambient and Sky Temperature Based on Infrared Sensor for Advanced Thermal Calculations. Applied Mechanics and Materials, 2019, 887, 613-621.	0.2	2

#	ARTICLE	IF	CITATIONS
19	A transparent insulation faÃ§ade enhanced with a selective absorber: A cooling energy load and validated building energy performance prediction model. Energy and Buildings, 2019, 183, 266-282.	3.1	21
20	Polycarbonate multi-wall panels integrated in multi-layer solar faÃ§ade concepts. IOP Conference Series: Materials Science and Engineering, 2018, 415, 012055.	0.3	5
21	Polycarbonate multi-wall panels integrated in multi-layer solar faÃ§ade concepts. IOP Conference Series: Materials Science and Engineering, 2018, 415, 012019.	0.3	6
22	Life Cycle Assessment of Solar FaÃ§ade Concepts Based on Transparent Insulation Materials. Sustainability, 2018, 10, 4212.	1.6	2
23	Experimental Analysis of Transparent Insulation Based on Poly-carbonate Multi-Wall Systems: Thermal and Optical Performance. Energy Procedia, 2017, 132, 502-507.	1.8	7
24	Total Solar Transmittance Quantifying of Transparent Insulation Building Materials Based on Real Climate Outdoor Measurements. Energy Procedia, 2017, 132, 243-248.	1.8	6
25	Cardboard-Based Packaging Materials as Renewable Thermal Insulation of Buildings: Thermal and Life-Cycle Performance. Journal of Renewable Materials, 2017, 5, 84-93.	1.1	14
26	A Non-Ventilated Solar FaÃ§ade Concept Based on Selective and Transparent Insulation Material Integration: An Experimental Study. Energies, 2017, 10, 815.	1.6	17
27	Experimental Full-Scale Test Cell Optimizing for Research of Novel Concepts towards Climatically Active Solar FaÃ§ade Design. Applied Mechanics and Materials, 2016, 861, 213-220.	0.2	3
28	Analysis of Energy Consumption in Building with NZEB Concept. Applied Mechanics and Materials, 2016, 824, 347-354.	0.2	3
29	Study of Surface Temperature Monitoring in the Field of Buildings. Procedia Engineering, 2016, 161, 1135-1143.	1.2	5
30	Optical Performance of Colored Crystalline Solar Cells for Building Energy Efficient Application. Procedia Manufacturing, 2015, 2, 342-347.	1.9	0
31	Accuracy analysis of longwave sky radiation models in the MZELWE module of the ESP-r program. Energy and Buildings, 2015, 103, 147-158.	3.1	23
32	Integration of Small Wind Energy Source for Optimization of Energy Efficiency in Residential Building. Advanced Materials Research, 2014, 1041, 162-166.	0.3	2
33	Thermal Bridges Minimizing through Window Jamb in Low Energy Buildings. Advanced Materials Research, 2014, 899, 66-69.	0.3	7
34	Advanced Thermal Performance Analysis of Thermal Break Element Applied in Balcony Slab. Advanced Materials Research, 2014, 1041, 167-170.	0.3	0
35	Spectral Emissivity of Roof Membranes and Vapor Barriers. Advanced Materials Research, 2014, 1020, 21-24.	0.3	2
36	Hygrothermal Loads of Building Components in Bathroom of Dwellings. Advanced Materials Research, 2014, 1041, 269-272.	0.3	1

#	Article	IF	Citations
37	Spectral optical properties and thermodynamic performance of reflective coatings in a mild climate zone. Energy and Buildings, 2014, 77, 343-354.	3.1	27
38	Spectral emissivity properties of reflective coatings. Slovak Journal of Civil Engineering, 2012, 20, 1-7.	0.2	4
39	Thermodynamic Properties of Reflective Coatings. Advanced Materials Research, 0, 649, 179-182.	0.3	10
40	Thermal Bridges Minimizing through Typical Details in Low Energy Designing. Advanced Materials Research, 0, 899, 62-65.	0.3	8
41	Influence of Thermal Break Element Applied in Balcony Slab on Internal Surface Temperature. Advanced Materials Research, 0, 1057, 79-86.	0.3	5
42	Architectural Elements with Respect to the Energy Performance of Buildings. Advanced Materials Research, 0, 1020, 561-565.	0.3	1
43	Operative Temperature Predicting of a Room in Summer: An Approach for Validating of Empirical Calculation Models. Applied Mechanics and Materials, 0, 824, 519-526.	0.2	2
44	Thermal Bridges Impact on Energy Need for Heating in Low Energy Wooden House. Applied Mechanics and Materials, 0, 820, 139-145.	0.2	1
45	Obtainable Method of Measuring the Solar Radiant Flux Based on Silicone Photodiode Element. Applied Mechanics and Materials, 0, 824, 477-484.	0.2	10
46	The effect of changing surface emissivity on the natural ventilation rate of a narrow air cavity integrated in a transparent insulation faÃ§ade. IOP Conference Series: Materials Science and Engineering, 0, 609, 032054.	0.3	1