

Morshed Alam

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.

33
papers

1,069
citations

18
h-index

32
g-index

33
ext. papers

1,323
ext. citations

5.9
avg, IF

4.79
L-index

#	Paper	IF	Citations
33	Building Adaptation to Extreme Heatwaves. <i>Springer Tracts in Civil Engineering</i> , 2022 , 189-216	0.4	
32	Experimental investigation of the impact of design and control parameters of water-based active phase change materials system on thermal energy storage. <i>Energy and Buildings</i> , 2022 , 268, 112226	7	0
31	The effect of ground motion characteristics on the fragility analysis of reinforced concrete frame buildings in Australia. <i>Structures</i> , 2021 , 34, 3583-3595	3.4	1
30	The influence of group-level factors on individual energy-saving behaviors in a shared space: The case of shared residences. <i>Journal of Cleaner Production</i> , 2021 , 311, 127560	10.3	3
29	Retrofitting Building Envelope Using Phase Change Materials and Aerogel Render for Adaptation to Extreme Heatwave: A Multi-Objective Analysis Considering Heat Stress, Energy, Environment, and Cost. <i>Sustainability</i> , 2021 , 13, 10716	3.6	2
28	Analyzing energy consumption patterns of an educational building through data mining. <i>Journal of Building Engineering</i> , 2021 , 44, 103385	5.2	3
27	Closing the building energy performance gap through component level analysis and stakeholder collaborations. <i>Energy and Buildings</i> , 2020 , 224, 110276	7	9
26	Comparative analysis of building insulation material properties and performance. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 131, 110038	16.2	63
25	Life-cycle cost analysis of building wall and insulation materials. <i>Journal of Building Physics</i> , 2020 , 43, 428-455	2.6	18
24	Strategies for minimizing building energy performance gaps between the design intend and the reality. <i>Energy and Buildings</i> , 2019 , 191, 31-41	7	36
23	Balancing Energy Efficiency and Heat Wave Resilience in Building Design 2019 , 329-349		
22	Energy saving performance assessment and lessons learned from the operation of an active phase change materials system in a multi-storey building in Melbourne. <i>Applied Energy</i> , 2019 , 238, 1582-1595	10.7	36
21	Thermal Performance of Hollow-Core Slab Ventilation System with Macro-Encapsulated Phase-Change Materials in Supply Air Duct. <i>Buildings</i> , 2019 , 9, 51	3.2	2
20	Government championed strategies to overcome the barriers to public building energy efficiency retrofit projects. <i>Sustainable Cities and Society</i> , 2019 , 44, 56-69	10.1	50
19	Role of financial mechanisms for accelerating the rate of water and energy efficiency retrofits in Australian public buildings: Hybrid Bayesian Network and System Dynamics modelling approach. <i>Applied Energy</i> , 2018 , 210, 409-419	10.7	39
18	Guidelines, barriers and strategies for energy and water retrofits of public buildings. <i>Journal of Cleaner Production</i> , 2018 , 174, 1064-1078	10.3	38
17	Mitigation of heat stress risks through building energy efficiency upgrade: a case study of Melbourne, Australia. <i>Australian Journal of Civil Engineering</i> , 2018 , 16, 64-78	1.8	8

16	Evaluating the passive and free cooling application methods of phase change materials in residential buildings: A comparative study. <i>Energy and Buildings</i> , 2017 , 148, 238-256	7	28
15	A Comparative Study on the Effectiveness of Passive and Free Cooling Application Methods of Phase Change Materials for Energy Efficient Retrofitting in Residential Buildings. <i>Procedia Engineering</i> , 2017 , 180, 993-1002		15
14	Behavior Change of Building Users and Energy Consumption 2017 , 189-196		2
13	Modelling the correlation between building energy ratings and heat-related mortality and morbidity. <i>Sustainable Cities and Society</i> , 2016 , 22, 29-39	10.1	28
12	Parametric analysis for performance enhancement of phase change materials in naturally ventilated buildings. <i>Energy and Buildings</i> , 2016 , 124, 35-45	7	39
11	State-of-the-art review revealing a roadmap for public building water and energy efficiency retrofit projects. <i>International Journal of Sustainable Built Environment</i> , 2016 , 5, 526-548		28
10	Investigation of PCM as retrofitting option to enhance occupant thermal comfort in a modern residential building. <i>Energy and Buildings</i> , 2016 , 133, 217-229	7	77
9	A novel paraffin/expanded perlite composite phase change material for prevention of PCM leakage in cementitious composites. <i>Applied Energy</i> , 2015 , 157, 85-94	10.7	185
8	Energy saving potential of phase change materials in major Australian cities. <i>Energy and Buildings</i> , 2014 , 78, 192-201	7	110
7	Investigation of Anodic Gas Film Behavior in Hall-Heroult Cell Using Low Temperature Electrolyte. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013 , 44, 1155-1165	2.5	24
6	Investigation of Electrolytic Bubble Behaviour in Aluminium Smelting Cell 2013 , 591-596		4
5	A Computational Fluid Dynamics Model of Shrouded Supersonic Jet Impingement on a Water Surface. <i>ISIJ International</i> , 2012 , 52, 1026-1035	1.7	53
4	Inclined Jetting and Splashing in Electric Arc Furnace Steelmaking. <i>ISIJ International</i> , 2011 , 51, 1439-1447	1.7	33
3	Computational Fluid Dynamics Simulation of Supersonic Oxygen Jet Behavior at Steelmaking Temperature. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2010 , 41, 636-645	2.5	79
2	Computational Fluid Dynamics Modeling of Supersonic Coherent Jets for Electric Arc Furnace Steelmaking Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2010 , 41, 1354-1367	2.5	52
1	Investigation of Electrolytic Bubble Behaviour in Aluminum Smelting Cell. <i>Minerals, Metals and Materials Series</i> , 2003 , 591-596	0.3	4