

Morshed Alam

List of Publications by Citations

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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

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h-index

32
g-index

33
ext. papers

1,323
ext. citations

5.9
avg, IF

4.79
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 33 | 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 |
| 32 | Energy saving potential of phase change materials in major Australian cities. <i>Energy and Buildings</i> , 2014 , 78, 192-201 | 7 | 110 |
| 31 | 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 |
| 30 | 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 |
| 29 | Comparative analysis of building insulation material properties and performance. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 131, 110038 | 16.2 | 63 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | Parametric analysis for performance enhancement of phase change materials in naturally ventilated buildings. <i>Energy and Buildings</i> , 2016 , 124, 35-45 | 7 | 39 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | Inclined Jetting and Splashing in Electric Arc Furnace Steelmaking. <i>ISIJ International</i> , 2011 , 51, 1439-1447 | 1.7 | 33 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |

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| 16 | 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 |
| 15 | Life-cycle cost analysis of building wall and insulation materials. <i>Journal of Building Physics</i> , 2020 , 43, 428-455 | 2.6 | 18 |
| 14 | 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 |
| 13 | Closing the building energy performance gap through component level analysis and stakeholder collaborations. <i>Energy and Buildings</i> , 2020 , 224, 110276 | 7 | 9 |
| 12 | 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 |
| 11 | Investigation of Electrolytic Bubble Behaviour in Aluminium Smelting Cell 2013 , 591-596 | | 4 |
| 10 | Investigation of Electrolytic Bubble Behaviour in Aluminum Smelting Cell. <i>Minerals, Metals and Materials Series</i> , 2003 , 591-596 | 0.3 | 4 |
| 9 | 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 |
| 8 | Analyzing energy consumption patterns of an educational building through data mining. <i>Journal of Building Engineering</i> , 2021 , 44, 103385 | 5.2 | 3 |
| 7 | 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 |
| 6 | Behavior Change of Building Users and Energy Consumption 2017 , 189-196 | | 2 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | Balancing Energy Efficiency and Heat Wave Resilience in Building Design 2019 , 329-349 | | |
| 1 | Building Adaptation to Extreme Heatwaves. <i>Springer Tracts in Civil Engineering</i> , 2022 , 189-216 | 0.4 | |