

Monjur Mourshed

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

3,852
citations

186265
28
h-index

138484
58
g-index

66
all docs

66
docs citations

66
times ranked

4261
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Trees vs Neurons: Comparison between random forest and ANN for high-resolution prediction of building energy consumption. <i>Energy and Buildings</i> , 2017, 147, 77-89. | 6.7 | 630 |
| 2 | Electrical load forecasting models: A critical systematic review. <i>Sustainable Cities and Society</i> , 2017, 35, 257-270. | 10.4 | 287 |
| 3 | Building energy metering and environmental monitoring – A state-of-the-art review and directions for future research. <i>Energy and Buildings</i> , 2016, 120, 85-102. | 6.7 | 245 |
| 4 | Forecasting methods in energy planning models. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 88, 297-325. | 16.4 | 219 |
| 5 | A critical review of environmental assessment tools for sustainable urban design. <i>Environmental Impact Assessment Review</i> , 2015, 55, 110-125. | 9.2 | 182 |
| 6 | Tree-based ensemble methods for predicting PV power generation and their comparison with support vector regression. <i>Energy</i> , 2018, 164, 465-474. | 8.8 | 174 |
| 7 | Computational intelligence techniques for HVAC systems: A review. <i>Building Simulation</i> , 2016, 9, 359-398. | 5.6 | 167 |
| 8 | Urban sustainability assessment framework development: The ranking and weighting of sustainability indicators using analytic hierarchy process. <i>Sustainable Cities and Society</i> , 2019, 44, 356-366. | 10.4 | 153 |
| 9 | Factors for effective BIM governance. <i>Journal of Building Engineering</i> , 2017, 10, 89-101. | 3.4 | 128 |
| 10 | ANN-based GA smart appliance scheduling for optimised energy management in the domestic sector. <i>Energy and Buildings</i> , 2016, 111, 311-325. | 6.7 | 115 |
| 11 | Electric Vehicle Charging Load Forecasting: A Comparative Study of Deep Learning Approaches. <i>Energies</i> , 2019, 12, 2692. | 3.1 | 112 |
| 12 | Progress in ambient assisted systems for independent living by the elderly. <i>SpringerPlus</i> , 2016, 5, 624. | 1.2 | 101 |
| 13 | Healthcare providers' perception of design factors related to physical environments in hospitals. <i>Journal of Environmental Psychology</i> , 2012, 32, 362-370. | 5.1 | 97 |
| 14 | A novel competitive swarm optimized RBF neural network model for short-term solar power generation forecasting. <i>Neurocomputing</i> , 2020, 397, 415-421. | 5.9 | 88 |
| 15 | Relationship between annual mean temperature and degree-days. <i>Energy and Buildings</i> , 2012, 54, 418-425. | 6.7 | 78 |
| 16 | Challenges and gaps for energy planning models in the developing-world context. <i>Nature Energy</i> , 2018, 3, 172-184. | 39.5 | 75 |
| 17 | Requirements for cloud-based BIM governance solutions to facilitate team collaboration in construction projects. <i>Requirements Engineering</i> , 2018, 23, 1-31. | 3.1 | 67 |
| 18 | Advances in remote sensing applications for urban sustainability. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2016, 1, 1. | 1.3 | 66 |

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|----|---|------|-----------|
| 19 | The impact of the projected changes in temperature on heating and cooling requirements in buildings in Dhaka, Bangladesh. <i>Applied Energy</i> , 2011, 88, 3737-3746. | 10.1 | 59 |
| 20 | Demand side management of plug-in electric vehicles and coordinated unit commitment: A novel parallel competitive swarm optimization method. <i>Energy Conversion and Management</i> , 2019, 196, 935-949. | 9.2 | 57 |
| 21 | Degree-day based non-domestic building energy analytics and modelling should use building and type specific base temperatures. <i>Energy and Buildings</i> , 2017, 155, 260-268. | 6.7 | 55 |
| 22 | Urban environmental challenges in developing countriesâ€”A stakeholder perspective. <i>Habitat International</i> , 2017, 64, 1-10. | 5.8 | 52 |
| 23 | Therapeutic lighting design for the elderly: a review. <i>Perspectives in Public Health</i> , 2012, 132, 282-291. | 1.6 | 41 |
| 24 | Multi-objective optimization of cellular fenestration by an evolutionary algorithm. <i>Journal of Building Performance Simulation</i> , 2014, 7, 33-51. | 2.0 | 40 |
| 25 | Coastal community resilience frameworks for disaster risk management. <i>Natural Hazards</i> , 2020, 101, 595-630. | 3.4 | 38 |
| 26 | Smart Grid Futures: Perspectives on the Integration of Energy and ICT Services. <i>Energy Procedia</i> , 2015, 75, 1132-1137. | 1.8 | 34 |
| 27 | Off-grid electrification with solar home systems: An appraisal of the quality of components. <i>Renewable Energy</i> , 2016, 97, 585-598. | 8.9 | 34 |
| 28 | Technical appraisal of solar home systems in Bangladesh: A field investigation. <i>Renewable Energy</i> , 2011, 36, 772-778. | 8.9 | 33 |
| 29 | Cloud-Based BIM Governance Platform Requirements and Specifications: Software Engineering Approach Using BPMN and UML. <i>Journal of Computing in Civil Engineering</i> , 2016, 30, . | 4.7 | 29 |
| 30 | Modelling and Forecasting Energy Demand in Rural Households of Bangladesh. <i>Energy Procedia</i> , 2015, 75, 2731-2737. | 1.8 | 28 |
| 31 | A Shadow-Overlapping Algorithm for Estimating Building Heights From VHR Satellite Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 8-12. | 3.1 | 28 |
| 32 | Low carbon Buildings: Sensitivity of Thermal Properties of Opaque Envelope Construction and Glazing. <i>Energy Procedia</i> , 2015, 75, 1284-1289. | 1.8 | 22 |
| 33 | A Smart Forecasting Approach to District Energy Management. <i>Energies</i> , 2017, 10, 1073. | 3.1 | 22 |
| 34 | Climatic parameters for building energy applications: A temporal-geospatial assessment of temperature indicators. <i>Renewable Energy</i> , 2016, 94, 55-71. | 8.9 | 20 |
| 35 | Deep Highway Networks and Tree-Based Ensemble for Predicting Short-Term Building Energy Consumption. <i>Energies</i> , 2018, 11, 3408. | 3.1 | 20 |
| 36 | Change-point multivariable quantile regression to explore effect of weather variables on building energy consumption and estimate base temperature range. <i>Sustainable Cities and Society</i> , 2020, 53, 101900. | 10.4 | 20 |

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|----|---|------|-----------|
| 37 | Ontology-based demand-side flexibility management in smart grids using a multi-agent system. , 2016, , . | | 19 |
| 38 | Demand response in buildings: Unlocking energy flexibility through district-level electro-thermal simulation. Applied Energy, 2022, 305, 117836. | 10.1 | 19 |
| 39 | Design indicators for better accommodation environments in hospitals: inpatientsâ€™ perceptions. Intelligent Buildings International, 2012, 4, 199-215. | 2.3 | 18 |
| 40 | Public opinions on alternative lower carbon wall construction techniques for UK housing. Habitat International, 2013, 37, 163-169. | 5.8 | 18 |
| 41 | Ultra clean ventilation system performance relating to airborne infections in operating theatres using CFD modelling. Building Simulation, 2014, 7, 277-287. | 5.6 | 18 |
| 42 | Phi-array: A novel method for fitness visualization and decision making in evolutionary design optimization. Advanced Engineering Informatics, 2011, 25, 676-687. | 8.0 | 15 |
| 43 | Patientsâ€™ Perspectives on the Design of Hospital Outpatient Areas. Buildings, 2017, 7, 117. | 3.1 | 12 |
| 44 | Renewable energy RD&D expenditure and CO2 emissions in 15 European countries. International Journal of Energy Sector Management, 2009, 3, 187-202. | 2.3 | 11 |
| 45 | Going Beyond the Mean: Distributional Degree-Day Base Temperatures for Building Energy Analytics Using Change Point Quantile Regression. IEEE Access, 2018, 6, 39532-39540. | 4.2 | 11 |
| 46 | A multi-objective window optimisation problem. , 2011, , . | | 10 |
| 47 | Pitfalls of oil-based expansion of electricity generation in a developing context. Energy Strategy Reviews, 2013, 1, 205-210. | 7.3 | 10 |
| 48 | SMART: A process-oriented methodology for resilient smart cities. , 2016, , . | | 10 |
| 49 | Evaluating multiple parameters dependency of base temperature for heating degree-days in building energy prediction. Building Simulation, 2021, 14, 969-985. | 5.6 | 9 |
| 50 | SHADOW DETECTION FROM VERY HIGH RESOLUTION SATELLITE IMAGE USING GRAB CUT SEGMENTATION AND RATIO-BAND ALGORITHMS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W2, 95-101. | 0.2 | 9 |
| 51 | Exploring the Need for a BIM Governance Model: UK Construction Practitioners' Perceptions. , 2014, , . | | 7 |
| 52 | Corruption Significantly Increases the Capital Cost of Power Plants in Developing Contexts. Frontiers in Energy Research, 2018, 6, . | 2.3 | 6 |
| 53 | Summertime Impact of Climate Change on Multi-Occupancy British Dwellings. Open House International, 2012, 37, 50-60. | 1.1 | 6 |
| 54 | Why is Bangladeshâ€™s electricity generation heading towards a GHG emissions-intensive future?. Carbon Management, 2022, 13, 216-237. | 2.4 | 6 |

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|----|---|-----|-----------|
| 55 | A simplified geo-cluster definition for energy system planning in Europe. Energy Procedia, 2019, 158, 3222-3227. | 1.8 | 5 |
| 56 | Forecasting Algorithms and Optimization Strategies for Building Energy Management & Demand Response. Proceedings (mdpi), 2018, 2, 1133. | 0.2 | 4 |
| 57 | Retrofitting Buildings: Embodied & Operational Energy Use in English Housing Stock. Proceedings (mdpi), 2018, 2, . | 0.2 | 3 |
| 58 | Preserving prosumer privacy in a district level smart grid. , 2016, , . | | 2 |
| 59 | An ANN-Based Energy Forecasting Framework for the District Level Smart Grids. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 107-117. | 0.3 | 2 |
| 60 | Spatial representation in product modelling. , 0, , . | | 1 |
| 61 | Model-Based Optimal Control of Window Openings for Thermal Comfort. Proceedings (mdpi), 2018, 2, . | 0.2 | 1 |
| 62 | Smart Energy Management for Unlocking Demand Response in the Residential Sector. Proceedings (mdpi), 2018, 2, 1136. | 0.2 | 1 |
| 63 | Putting Residential Flexibility Management into Action with Pilot Sites in Europe: From Mas2tering to DRiVE Projects. Proceedings (mdpi), 2018, 2, 1130. | 0.2 | 1 |