Chirag Deb

List of Publications by Year
in descending order

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26 papers	1,911 citations	489802 18 h-index	620720 26 g-index
27 all docs	27 docs citations	27 times ranked	2284 citing authors

#	Article	IF	Citations
1	Early-stage design support combining machine learning and building information modelling. Automation in Construction, 2022, 136, 104147.	4.8	17
2	Building Energy Performance Assessment Using an Easily Deployable Sensor Kit: Process, Risks, and Lessons Learned. Frontiers in Built Environment, 2021, 6, .	1.2	5
3	Measuring the heat transfer coefficient (HTC) in buildings: A stakeholder's survey. Renewable and Sustainable Energy Reviews, 2021, 144, 111008.	8.2	18
4	Impact of Measurement Uncertainty on Building Modeling and Retrofitting Decisions. Frontiers in Built Environment, 2021, 7, .	1.2	1
5	Review of data-driven energy modelling techniques for building retrofit. Renewable and Sustainable Energy Reviews, 2021, 144, 110990.	8.2	85
6	A machine learning-based framework for cost-optimal building retrofit. Applied Energy, 2021, 294, 116990.	5.1	19
7	Occupancy-based energy consumption modelling using machine learning algorithms for institutional buildings. Energy and Buildings, 2021, 252, 111478.	3.1	31
8	Identifying temporal properties of building components and indoor environment for building performance assessment. Building and Environment, 2020, 168, 106506.	3.0	9
9	Wireless sensor network for estimating building performance. Automation in Construction, 2020, 111, 103043.	4.8	32
10	Do energy performance certificates allow reliable predictions of actual energy consumption and savings? Learning from the Swiss national database. Energy and Buildings, 2020, 224, 110235.	3.1	50
11	Unsupervised learning of energy signatures to identify the heating system and building type using smart meter data. Applied Energy, 2020, 264, 114715.	5.1	57
12	Cost-optimal retrofit analysis for residential buildings. Journal of Physics: Conference Series, 2019, 1343, 012030.	0.3	9
13	Automated load disaggregation for residences with electrical resistance heating. Energy and Buildings, 2019, 182, 61-74.	3.1	24
14	Using artificial neural networks to assess HVAC related energy saving in retrofitted office buildings. Solar Energy, 2018, 163, 32-44.	2.9	62
15	Determining key variables influencing energy consumption in office buildings through cluster analysis of pre- and post-retrofit building data. Energy and Buildings, 2018, 159, 228-245.	3.1	84
16	A review on time series forecasting techniques for building energy consumption. Renewable and Sustainable Energy Reviews, 2017, 74, 902-924.	8.2	585
17	k-Shape clustering algorithm for building energy usage patterns analysis and forecasting model accuracy improvement. Energy and Buildings, 2017, 146, 27-37.	3.1	143
18	A simplified tool for building layout design based on thermal comfort simulations. Frontiers of Architectural Research, 2017, 6, 218-230.	1.3	34

#	Article	IF	Citations
19	Time series forecasting for building energy consumption using weighted Support Vector Regression with differential evolution optimization technique. Energy and Buildings, 2016, 126, 94-103.	3.1	219
20	Forecasting diurnal cooling energy load for institutional buildings using Artificial Neural Networks. Energy and Buildings, 2016, 121, 284-297.	3.1	212
21	Energy performance model development and occupancy number identification of institutional buildings. Energy and Buildings, 2016, 123, 192-204.	3.1	36
22	Model Development and Comparison for the Evaluation of the Energy Performance of Three Tertiary Institutional Buildings in Singapore. Procedia Engineering, 2015, 121, 1133-1143.	1.2	7
23	Forecasting Energy Consumption of Institutional Buildings in Singapore. Procedia Engineering, 2015, 121, 1734-1740.	1.2	25
24	PV (photovoltaics) performance evaluation and simulation-based energy yield prediction for tropical buildings. Energy, 2014, 71, 588-595.	4.5	75
25	A simple technique to classify urban locations with respect to human thermal comfort: Proposing the HXG scale. Building and Environment, 2011, 46, 1321-1328.	3.0	10
26	Evaluation of thermal comfort in a rail terminal location in India. Building and Environment, 2010, 45, 2571-2580.	3.0	62