

# Joshua New

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1444267/publications.pdf>

Version: 2024-02-01

31  
papers

764  
citations

949033

11  
h-index

721071

23  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the indoor far-field aerosol transmission in a model commercial office building. International Communications in Heat and Mass Transfer, 2022, 130, 105744.	2.9	0
2	Model predictive control for active insulation in building envelopes. Energy and Buildings, 2022, 267, 112108.	3.1	13
3	Quality Control Methods for Advanced Metering Infrastructure Data. Smart Cities, 2021, 4, 195-203.	5.5	2
4	Dataset of low global warming potential refrigerant refrigeration system for fault detection and diagnostics. Scientific Data, 2021, 8, 144.	2.4	8
5	Potential Energy, Demand, Emissions, and Cost Savings Distributions for Buildings in a Utility's Service Area. Energies, 2021, 14, 132.	1.6	8
6	Characterization of the indoor near-field aerosol transmission in a model commercial office building. International Communications in Heat and Mass Transfer, 2021, 130, 105745.	2.9	2
7	A Data-Driven Approach to Nation-Scale Building Energy Modeling. , 2021, , .		1
8	Probabilistic reliability assessment and case studies for predicted energy savings in residential buildings. Energy and Buildings, 2020, 209, 109658.	3.1	8
9	Impacts of the morphology of new neighborhoods on microclimate and building energy. Renewable and Sustainable Energy Reviews, 2020, 133, 110030.	8.2	13
10	Empirical Modeling of Direct Expansion (DX) Cooling System for Multiple Research Use Cases. Sustainability, 2020, 12, 8738.	1.6	6
11	Power Grid Simulation Testbed for Transactive Energy Management Systems. Sustainability, 2020, 12, 4402.	1.6	5
12	Empirical validation of building energy modeling for multi-zones commercial buildings in cooling season. Applied Energy, 2020, 261, 114374.	5.1	23
13	Energy and Economics Analyses of Condenser Evaporative Precooling for Various Climates, Buildings and Refrigerants. Energies, 2019, 12, 2079.	1.6	4
14	A Process for Defining Prototype Building Models: Courthouse Case Study for U.S. Commercial Energy. Energies, 2019, 12, 4020.	1.6	2
15	Constructing large scale surrogate models from big data and artificial intelligence. Applied Energy, 2017, 202, 685-699.	5.1	48
16	Evaluation of "Autotune" calibration against manual calibration of building energy models. Applied Energy, 2016, 182, 115-134.	5.1	65
17	Comparison of software models for energy savings from cool roofs. Energy and Buildings, 2016, 114, 130-135.	3.1	20
18	Scalable tuning of building models to hourly data. Energy, 2015, 84, 493-502.	4.5	9

#	ARTICLE	IF	CITATIONS
19	Provenance in sensor data management. Communications of the ACM, 2014, 57, 55-62.	3.3	4
20	Calibrating building energy models using supercomputer trained machine learning agents. Concurrency Computation Practice and Experience, 2014, 26, 2122-2133.	1.4	19
21	Comparison of building energy use data between the United States and China. Energy and Buildings, 2014, 78, 165-175.	3.1	46
22	Simulation and big data challenges in tuning building energy models. , 2013, , .		7
23	Approximate I-Fold Cross-Validation with Least Squares SVM and Kernel Ridge Regression. , 2013, , .		5
24	Estimating building simulation parameters via Bayesian structure learning. , 2013, , .		2
25	Machine Learning Techniques Applied to Sensor Data Correction in Building Technologies. , 2013, , .		8
26	Autonomous correction of sensor data applied to building technologies using filtering methods. , 2013, , .		1
27	Supercomputer assisted generation of machine learning agents for the calibration of building energy models. , 2013, , .		11
28	Evaluation of weather datasets for building energy simulation. Energy and Buildings, 2012, 49, 109-118.	3.1	90
29	Predicting future hourly residential electrical consumption: A machine learning case study. Energy and Buildings, 2012, 49, 591-603.	3.1	295
30	Understanding the long-term effects of environmental exposure on roof reflectance in California. Construction and Building Materials, 2012, 26, 516-526.	3.2	29
31	Dynamic Visualization of Coexpression in Systems Genetics Data. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1081-1095.	2.9	4