

# Jessica Granderson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10391557/publications.pdf>

Version: 2024-02-01

34  
papers

1,087  
citations

516561

16  
h-index

414303

32  
g-index

40  
all docs

40  
docs citations

40  
times ranked

919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient boosting machine for modeling the energy consumption of commercial buildings. Energy and Buildings, 2018, 158, 1533-1543.	3.1	277
2	Robust on-line fault detection diagnosis for HVAC components based on nonlinear state estimation techniques. Applied Energy, 2014, 124, 156-166.	5.1	101
3	Accuracy of automated measurement and verification (M&V) techniques for energy savings in commercial buildings. Applied Energy, 2016, 173, 296-308.	5.1	68
4	Building energy information systems: user case studies. Energy Efficiency, 2011, 4, 17-30.	1.3	64
5	Building fault detection data to aid diagnostic algorithm creation and performance testing. Scientific Data, 2020, 7, 65.	2.4	51
6	Building fault detection and diagnostics: Achieved savings, and methods to evaluate algorithm performance. Building and Environment, 2020, 168, 106505.	3.0	43
7	Metadata Schemas and Ontologies for Building Energy Applications: A Critical Review and Use Case Analysis. Energies, 2021, 14, 2024.	1.6	40
8	Development and application of a statistical methodology to evaluate the predictive accuracy of building energy baseline models. Energy, 2014, 66, 981-990.	4.5	38
9	Application of automated measurement and verification to utility energy efficiency program data. Energy and Buildings, 2017, 142, 191-199.	3.1	37
10	Automated measurement and verification: Performance of public domain whole-building electric baseline models. Applied Energy, 2015, 144, 106-113.	5.1	36
11	Field evaluation of performance of HVAC optimization system in commercial buildings. Energy and Buildings, 2018, 173, 577-586.	3.1	28
12	Intelligent Building Energy Information and Control Systems for Low-Energy Operations and Optimal Demand Response. IEEE Design and Test of Computers, 2012, 29, 8-16.	1.4	27
13	A performance evaluation framework for building fault detection and diagnosis algorithms. Energy and Buildings, 2019, 192, 84-92.	3.1	25
14	Building energy information systems: synthesis of costs, savings, and best-practice uses. Energy Efficiency, 2016, 9, 1369-1384.	1.3	24
15	Statistical change detection of building energy consumption: Applications to savings estimation. Energy and Buildings, 2019, 185, 123-136.	3.1	24
16	Development of a Unified Taxonomy for HVAC System Faults. Energies, 2021, 14, 5581.	1.6	19
17	A framework for monitoring-based commissioning: Identifying variables that act as barriers and enablers to the process. Energy and Buildings, 2018, 168, 331-346.	3.1	14
18	Building commissioning costs and savings across three decades and 1500 North American buildings. Energy and Buildings, 2020, 227, 110408.	3.1	13

#	ARTICLE	IF	CITATIONS
19	Building analytics and monitoring-based commissioning: industry practice, costs, and savings. Energy Efficiency, 2020, 13, 537-549.	1.3	12
20	The state of advanced measurement and verification technology and industry application. Electricity Journal, 2017, 30, 8-16.	1.3	11
21	Intelligent Office Lighting: Demand-Responsive Conditioning and Increased User Satisfaction. LEUKOS - Journal of Illuminating Engineering Society of North America, 2006, 2, 185-198.	1.5	9
22	Cognitive barriers during monitoring-based commissioning of buildings. Sustainable Cities and Society, 2019, 46, 101389.	5.1	9
23	Development and Implementation of Fault-Correction Algorithms in Fault Detection and Diagnostics Tools. Energies, 2020, 13, 2598.	1.6	9
24	Standardization of user interfaces for lighting controls. Computer Standards and Interfaces, 2012, 34, 273-279.	3.8	8
25	Research challenges and directions in HVAC fault prevalence. Science and Technology for the Built Environment, 2021, 27, 624-640.	0.8	8
26	Assessment of Model-Based peak electric consumption prediction for commercial buildings. Energy and Buildings, 2021, 245, 111031.	3.1	8
27	A simulation-based evaluation of fan coil unit fault effects. Energy and Buildings, 2022, 263, 112041.	3.1	8
28	Building Analytics Tool Deployment at Scale: Benefits, Costs, and Deployment Practices. Energies, 2022, 15, 4858.	1.6	8
29	From fault-detection to automated fault correction: A field study. Building and Environment, 2022, 214, 108900.	3.0	7
30	Corporate Delivery of a Global Smart Buildings Program. Energy Engineering: Journal of the Association of Energy Engineers, 2018, 115, 7-25.	0.3	6
31	Evaluation of methods to assess the uncertainty in estimated energy savings. Energy and Buildings, 2019, 193, 216-225.	3.1	6
32	Integrating diagnostics and model-based optimization. Energy and Buildings, 2019, 182, 187-195.	3.1	4
33	Spatio-temporal impacts of a utility's efficiency portfolio on the distribution grid. Energy, 2020, 212, 118669.	4.5	3
34	Packaged scalable energy information systems for hotels. Journal of Facilities Management, 2018, 16, 119-141.	1.0	0