# Jessica Granderson

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | From fault-detection to automated fault correction: A field study. Building and Environment, 2022, 214, 108900. | 3.0 | 7 |
| 2 | A simulation-based evaluation of fan coil unit fault effects. Energy and Buildings, 2022, 263, 112041. | 3.1 | 8 |
| 3 | Building Analytics Tool Deployment at Scale: Benefits, Costs, and Deployment Practices. Energies, 2022, 15, 4858. | 1.6 | 8 |
| 4 | Research challenges and directions in HVAC fault prevalence. Science and Technology for the Built Environment, 2021, 27, 624-640. | 0.8 | 8 |
| 5 | Metadata Schemas and Ontologies for Building Energy Applications: A Critical Review and Use Case Analysis. Energies, 2021, 14, 2024. | 1.6 | 40 |
| 6 | Assessment of Model-Based peak electric consumption prediction for commercial buildings. Energy and Buildings, 2021, 245, 111031. | 3.1 | 8 |
| 7 | Development of a Unified Taxonomy for HVAC System Faults. Energies, 2021, 14, 5581. | 1.6 | 19 |
| 8 | Building analytics and monitoring-based commissioning: industry practice, costs, and savings. Energy Efficiency, 2020, 13, 537-549. | 1.3 | 12 |
| 9 | Building fault detection and diagnostics: Achieved savings, and methods to evaluate algorithm performance. Building and Environment, 2020, 168, 106505. | 3.0 | 43 |
| 10 | Spatio-temporal impacts of a utilityâ€™s efficiency portfolio on the distribution grid. Energy, 2020, 212, 118669. | 4.5 | 3 |
| 11 | Building commissioning costs and savings across three decades and 1500 North American buildings. Energy and Buildings, 2020, 227, 110408. | 3.1 | 13 |
| 12 | Development and Implementation of Fault-Correction Algorithms in Fault Detection and Diagnostics Tools. Energies, 2020, 13, 2598. | 1.6 | 9 |
| 13 | Building fault detection data to aid diagnostic algorithm creation and performance testing. Scientific Data, 2020, 7, 65. | 2.4 | 51 |
| 14 | Statistical change detection of building energy consumption: Applications to savings estimation. Energy and Buildings, 2019, 185, 123-136. | 3.1 | 24 |
| 15 | Evaluation of methods to assess the uncertainty in estimated energy savings. Energy and Buildings, 2019, 193, 216-225. | 3.1 | 6 |
| 16 | A performance evaluation framework for building fault detection and diagnosis algorithms. Energy and Buildings, 2019, 192, 84-92. | 3.1 | 25 |
| 17 | Cognitive barriers during monitoring-based commissioning of buildings. Sustainable Cities and Society, 2019, 46, 101389. | 5.1 | 9 |
| 18 | Integrating diagnostics and model-based optimization. Energy and Buildings, 2019, 182, 187-195. | 3.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Packaged scalable energy information systems for hotels. Journal of Facilities Management, 2018, 16, 119-141. | 1.0 | 0 |
| 20 | Corporate Delivery of a Global Smart Buildings Program. Energy Engineering: Journal of the Association of Energy Engineers, 2018, 115, 7-25. | 0.3 | 6 |
| 21 | Gradient boosting machine for modeling the energy consumption of commercial buildings. Energy and Buildings, 2018, 158, 1533-1543. | 3.1 | 277 |
| 22 | 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 |
| 23 | Field evaluation of performance of HVAC optimization system in commercial buildings. Energy and Buildings, 2018, 173, 577-586. | 3.1 | 28 |
| 24 | Application of automated measurement and verification to utility energy efficiency program data. Energy and Buildings, 2017, 142, 191-199. | 3.1 | 37 |
| 25 | The state of advanced measurement and verification technology and industry application. Electricity Journal, 2017, 30, 8-16. | 1.3 | 11 |
| 26 | Accuracy of automated measurement and verification (M&V) techniques for energy savings in commercial buildings. Applied Energy, 2016, 173, 296-308. | 5.1 | 68 |
| 27 | Building energy information systems: synthesis of costs, savings, and best-practice uses. Energy Efficiency, 2016, 9, 1369-1384. | 1.3 | 24 |
| 28 | Automated measurement and verification: Performance of public domain whole-building electric baseline models. Applied Energy, 2015, 144, 106-113. | 5.1 | 36 |
| 29 | Robust on-line fault detection diagnosis for HVAC components based on nonlinear state estimation techniques. Applied Energy, 2014, 124, 156-166. | 5.1 | 101 |
| 30 | 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 |
| 31 | 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 |
| 32 | Standardization of user interfaces for lighting controls. Computer Standards and Interfaces, 2012, 34, 273-279. | 3.8 | 8 |
| 33 | Building energy information systems: user case studies. Energy Efficiency, 2011, 4, 17-30. | 1.3 | 64 |
| 34 | 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 |