Richard E Brown

List of Publications by Year
in descending order

28 papers	1,139 citations	516215 16 h-index	642321 23 g-index
31 all docs	31 docs citations	31 times ranked	879 citing authors

#	ARTICLE	IF	CITATIONS
1	A simulation-based efficiency comparison of AC and DC power distribution networks in commercial buildings. Applied Energy, 2018, 210, 1167-1187.	5.1	126
2	After-hours power status of office equipment in the USA. Energy, 2006, 31, 2823-2838.	4.5	107
3	Savings estimates for the United States Environmental Protection Agency's ENERGY STAR voluntary product labeling program. Energy Policy, 2008, 36, 2098-2108.	4.2	106
4	Estimating the Energy Use and Efficiency Potential of U.S. Data Centers. Proceedings of the IEEE, 2011, 99, 1440-1453.	16.4	68
5	Electricity use in California: past trends and present usage patterns. Energy Policy, 2003, 31, 849-864.	4.2	63
6	Status and future directions of the Energy Star program. Energy, 2002, 27, 505-520.	4.5	62
7	Savings estimates for the Energy Star® voluntary labeling program. Energy Policy, 2000, 28, 1137-1149.	4.2	61
8	Data network equipment energy use and savings potential in buildings. Energy Efficiency, 2012, 5, 149-162.	1.3	50
9	Electricity used by office equipment and network equipment in the US. Energy, 2002, 27, 255-269.	4.5	48
10	Techno-economic analysis of DC power distribution in commercial buildings. Applied Energy, 2018, 230, 663-678.	5.1	45
11	Power management in networked devices. Computer, 2004, 37, 91-93.	1.2	38
12	Energy-saving opportunities of direct-DC loads in buildings. Applied Energy, 2019, 248, 274-287.	5.1	37
13	A review of advances for thermal and visual comfort controls in personal environmental control (PEC) systems. Intelligent Buildings International, 2019, 11, 75-104.	1.3	37
14	@scale. , 2012, , .		35
15	Methods for detailed energy data collection of miscellaneous and electronic loads in a commercial office building. Building and Environment, 2013, 65, 170-177.	3.0	35
16	Model predictive control for demand flexibility: Real-world operation of a commercial building with photovoltaic and battery systems. Advances in Applied Energy, 2022, 7, 100099.	6.6	27
17	Sorry, Wrong Number: The Use and Misuse of Numerical Facts in Analysis and Media Reporting of Energy Issues. Annual Review of Environment and Resources, 2002, 27, 119-158.	1.2	18
18	Energy and power quality measurement for electrical distribution in AC and DC microgrid buildings. Applied Energy, 2022, 308, 118308.	5.1	17

#	Article	IF	Citations
19	Adoption Pathways for DC Power Distribution in Buildings. Energies, 2022, 15, 786.	1.6	17
20	Defining a standard metric for electricity savings. Environmental Research Letters, 2010, 5, 014017.	2.2	15
21	Solar+ Optimizer: A Model Predictive Control Optimization Platform for Grid Responsive Building Microgrids. Energies, 2020, 13, 3093.	1.6	5
22	A Comprehensive Loss Model and Comparison of AC and DC Boost Converters. Energies, 2021, 14, 3131.	1.6	3
23	Wireless electricity metering of miscellaneous and electronic devices in buildings. , 2011, , .		2
24	Defining a Standard Metric for Electricity Savings. , 2011, , .		2
25	Evaluation of miscellaneous and electronic device energy use in hospitals. World Review of Science, Technology and Sustainable Development, 2013, 10, 113.	0.3	2
26	Assessment of supply chain energy efficiency potentials: A U.S. case study. , 2009, , .		1
27	Energy savings assessment for digital-to-analog converter boxes. Energy Policy, 2011, 39, 1312-1317.	4.2	1
28	Electrical Measurement and Verification of Energy in DC Buildings. , 2021, , .		1