Richard E Brown

List of Publications by Citations

26 papers	708 citations	16 h-index	26 g-index
31 ext. papers	870 ext. citations	6.4 avg, IF	3.75 L-index

#	Paper	IF	Citations
26	After-hours power status of office equipment in the USA. *Energy*, **2006**, 31, 2823-2838	7.9	89
25	A simulation-based efficiency comparison of AC and DC power distribution networks in commercial buildings. *Applied Energy*, **2018**, 210, 1167-1187	10.7	67
24	Savings estimates for the United States Environmental Protection Agency¥s ENERGY STAR voluntary product labeling program. *Energy Policy*, **2008**, 36, 2098-2108	7.2	65
23	Estimating the Energy Use and Efficiency Potential of U.S. Data Centers. *Proceedings of the IEEE*, **2011**, 99, 1440-1453	14.3	51
22	Savings estimates for the Energy Star voluntary labeling program. *Energy Policy*, **2000**, 28, 1137-1149	7.2	42
21	Status and future directions of the Energy Star program. *Energy*, **2002**, 27, 505-520	7.9	41
20	Electricity use in California: past trends and present usage patterns. *Energy Policy*, **2003**, 31, 849-864	7.2	41
19	Electricity used by office equipment and network equipment in the US. *Energy*, **2002**, 27, 255-269	7.9	38
18	Electricity used by office equipment and network equipment in the U.S.: Detailed report and appendices		36
17	Data network equipment energy use and savings potential in buildings. *Energy Efficiency*, **2012**, 5, 149-162	3	33
16	@scale **2012**,		29
15	Power management in networked devices. *Computer*, **2004**, 37, 91-93	1.6	28
14	Methods for detailed energy data collection of miscellaneous and electronic loads in a commercial office building. *Building and Environment*, **2013**, 65, 170-177	6.5	27
13	Techno-economic analysis of DC power distribution in commercial buildings. *Applied Energy*, **2018**, 230, 663-678	10.7	27
12	Energy-saving opportunities of direct-DC loads in buildings. *Applied Energy*, **2019**, 248, 274-287	10.7	22
11	A review of advances for thermal and visual comfort controls in personal environmental control (PEC) systems. *Intelligent Buildings International*, **2019**, 11, 75-104	1.7	21
10	Energy Use and Power Levels in New Monitors and Personal Computers		14

List of Publications

9	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		13
8	Defining a standard metric for electricity savings. *Environmental Research Letters*, **2010**, 5, 014017	6.2	8
7	Solar+ Optimizer: A Model Predictive Control Optimization Platform for Grid Responsive Building Microgrids. *Energies*, **2020**, 13, 3093	3.1	3
6	Energy and power quality measurement for electrical distribution in AC and DC microgrid buildings. *Applied Energy*, **2022**, 308, 118308	10.7	3
5	Evaluation of miscellaneous and electronic device energy use in hospitals. *World Review of Science, Technology and Sustainable Development*, **2013**, 10, 113	1	2
4	A Comprehensive Loss Model and Comparison of AC and DC Boost Converters. *Energies*, **2021**, 14, 3131	3.1	2
3	Energy savings assessment for digital-to-analog converter boxes. *Energy Policy*, **2011**, 39, 1312-1317	7.2	1
2	Assessment of supply chain energy efficiency potentials: A U.S. case study **2009**,		1
1	Adoption Pathways for DC Power Distribution in Buildings. *Energies*, **2022**, 15, 786	3.1	1