

Ken Bruton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

413
citations

10
h-index

20
g-index

33
ext. papers

532
ext. citations

3.9
avg, IF

4.11
L-index

#	Paper	IF	Citations
30	Industry 4.0 driven statistical analysis of investment casting process demonstrates the value of digitalisation. <i>Procedia Computer Science</i> , 2022 , 200, 284-297	1.6	0
29	Development of a Digital Counterpart to Aid Decision Support on Energy Consumption of an Active Manufacturing Process. <i>Environmental Sciences Proceedings</i> , 2021 , 11, 3	1	
28	A Systematic Mapping of the Advancing Use of Machine Learning Techniques for Predictive Maintenance in the Manufacturing Sector. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2546	2.6	10
27	Methodology for Data-Informed Process Improvement to Enable Automated Manufacturing in Current Manual Processes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3889	2.6	
26	Progress in Demand Response and Its Industrial Applications. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	4
25	Data-driven quality improvement approach to reducing waste in manufacturing. <i>TQM Journal</i> , 2021 , ahead-of-print,	3.4	2
24	Assessing the Risk to Indoor Thermal Environments on Industrial Sites Offering AHU Capacity for Demand Response. <i>Energies</i> , 2021 , 14, 6261	3.1	1
23	Advancing the Industrial Sectors Participation in Demand Response within National Electricity Grids. <i>Energies</i> , 2021 , 14, 8261	3.1	
22	How do companies certified to ISO 50001 and ISO 14001 perform in LEED and BREEAM assessments?. <i>Energy Efficiency</i> , 2020 , 13, 751-766	3	7
21	Development of a Decision Support System to Enable Adaptive Manufacturing. <i>Smart and Sustainable Manufacturing Systems</i> , 2020 , 4, 20190036	0.8	1
20	Methodology for Digitally Logging and Analyzing Manufacturing Issues Encountered on a Factory Floor. <i>Smart and Sustainable Manufacturing Systems</i> , 2020 , 4, 20190030	0.8	
19	Demand Response in Smart Grid [A Systematic Mapping Study 2020 ,		1
18	Industrial smart and micro grid systems [A systematic mapping study. <i>Journal of Cleaner Production</i> , 2020 , 244, 118828	10.3	12
17	A case-study in the introduction of a digital twin in a large-scale smart manufacturing facility. <i>Procedia Manufacturing</i> , 2020 , 51, 1523-1530	1.5	5
16	IntelliMaV: A cloud computing measurement and verification 2.0 application for automated, near real-time energy savings quantification and performance deviation detection. <i>Energy and Buildings</i> , 2019 , 185, 26-38	7	5
15	Development and application of a machine learning supported methodology for measurement and verification (M&V) 2.0. <i>Energy and Buildings</i> , 2018 , 167, 8-22	7	22
14	A fog computing industrial cyber-physical system for embedded low-latency machine learning Industry 4.0 applications. <i>Manufacturing Letters</i> , 2018 , 15, 139-142	4.5	91

13	Design and development of a software tool to assist ISO 50001 implementation in the manufacturing sector. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018 , 232, 1741-1752	2.4	3
12	The suitability of machine learning to minimise uncertainty in the measurement and verification of energy savings. <i>Energy and Buildings</i> , 2018 , 158, 647-655	7	30
11	A Robust Prescriptive Framework and Performance Metric for Diagnosing and Predicting Wind Turbine Faults Based on SCADA and Alarms Data with Case Study. <i>Energies</i> , 2018 , 11, 1738	3.1	22
10	From M&V to M&T: An artificial intelligence-based framework for real-time performance verification of demand-side energy savings 2018 ,		1
9	The true value of water: A case-study in manufacturing process water-management. <i>Journal of Cleaner Production</i> , 2017 , 141, 551-567	10.3	8
8	Automatically Identifying and Predicting Unplanned Wind Turbine Stoppages Using SCADA and Alarms System Data: Case Study and Results. <i>Journal of Physics: Conference Series</i> , 2017 , 926, 012011	0.3	9
7	Utilising the Cross Industry Standard Process for Data Mining to Reduce Uncertainty in the Measurement and Verification of Energy Savings. <i>Lecture Notes in Computer Science</i> , 2016 , 48-58	0.9	1
6	Enabling Effective Operational Decision Making on a Combined Heat and Power System Using the 5C Architecture. <i>Procedia CIRP</i> , 2016 , 55, 296-301	1.8	3
5	Comparative analysis of the AHU InFO fault detection and diagnostic expert tool for AHUs with APAR. <i>Energy Efficiency</i> , 2015 , 8, 299-322	3	21
4	Big data in manufacturing: a systematic mapping study. <i>Journal of Big Data</i> , 2015 , 2,	11.7	78
3	Development and alpha testing of a cloud based automated fault detection and diagnosis tool for Air Handling Units. <i>Automation in Construction</i> , 2014 , 39, 70-83	9.6	31
2	Review of automated fault detection and diagnostic tools in air handling units. <i>Energy Efficiency</i> , 2014 , 7, 335-351	3	44
1	Results from testing of a cloud based automated fault detection and diagnosis tool for AHU's 2013 ,		1