Dominic O' Sullivan

List of Publications by Year
in descending order

31	922	516710 16	526287 27
papers	citations	h-index	g-index

31	31	31	1083
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An industrial big data pipeline for data-driven analytics maintenance applications in large-scale smart manufacturing facilities. Journal of Big Data, 2015, 2, .	11.0	182
2	Big data in manufacturing: a systematic mapping study. Journal of Big Data, 2015, 2, .	11.0	114
3	Multi-variable optimization of thermal energy efficiency retrofitting of buildings using static modelling and genetic algorithms â€“ A case study. Building and Environment, 2014, 75, 98-107.	6.9	77
4	Improving building operation by tracking performance metrics throughout the building lifecycle (BLC). Energy and Buildings, 2004, 36, 1075-1090.	6.7	64
5	Review of automated fault detection and diagnostic tools in air handling units. Energy Efficiency, 2014, 7, 335-351.	2.8	57
6	Development and alpha testing of a cloud based automated fault detection and diagnosis tool for Air Handling Units. Automation in Construction, 2014, 39, 70-83.	9.8	47
7	The water energy nexus, an ISO50001 water case study and the need for a water value system. Water Resources and Industry, 2015, 10, 15-28.	3.9	47
8	Development and application of a machine learning supported methodology for measurement and verification (M&V) 2.0. Energy and Buildings, 2018, 167, 8-22.	6.7	37
9	A Robust Prescriptive Framework and Performance Metric for Diagnosing and Predicting Wind Turbine Faults Based on SCADA and Alarms Data with Case Study. Energies, 2018, 11, 1738.	3.1	36
10	Comparative analysis of the AHU InFO fault detection and diagnostic expert tool for AHUs with APAR. Energy Efficiency, 2015, 8, 299-322.	2.8	35
11	Issues with Data Quality for Wind Turbine Condition Monitoring and Reliability Analyses. Energies, 2019, 12, 201.	3.1	35
12	An industrial water management value system framework development. Sustainable Production and Consumption, 2016, 5, 82-93.	11.0	26
13	Static Simulation: A sufficient modelling technique for retrofit analysis. Energy and Buildings, 2012, 47, 113-121.	6.7	25
14	Optimization of Distributed Energy Resources in an Industrial Microgrid. Procedia CIRP, 2018, 67, 104-109.	1.9	24
15	Free-cooling thermal energy storage using phase change materials in an evaporative cooling system. Applied Thermal Engineering, 2013, 59, 618-626.	6.0	22
16	Model-based Fault Detection and Diagnosis of Air Handling Units: A Comparison of Methodologies. Energy Procedia, 2014, 62, 686-693.	1.8	20
17	Data-driven quality improvement approach to reducing waste in manufacturing. TQM Journal, 2023, 35, 51-72.	3.3	14
18	Cluster analysis of wind turbine alarms for characterising and classifying stoppages. IET Renewable Power Generation, 2018, 12, 1146-1154.	3.1	13

#	Article	IF	Citations
19	The true value of water: A case-study in manufacturing process water-management. Journal of Cleaner Production, 2017, 141, 551-567.	9.3	11
20	How do companies certified to ISO 50001 and ISO 14001 perform in LEED and BREEAM assessments?. Energy Efficiency, 2020, 13, 751-766.	2.8	11
21	An Interoperable BIM-Based Toolkit for Efficient Renovation in Buildings. Buildings, 2021, 11, 271.	3.1	7
22	Enabling Effective Operational Decision Making on a Combined Heat and Power System Using the 5C Architecture. Procedia CIRP, 2016, 55, 296-301.	1.9	4
23	Results from testing of a “cloud based” automated fault detection and diagnosis tool for AHU's. , 2013, , .		3
24	Methodology for Data-Informed Process Improvement to Enable Automated Manufacturing in Current Manual Processes. Applied Sciences (Switzerland), 2021, 11, 3889.	2.5	3
25	BIMcpd: A Combined Toolkit for Constraint Checking, Performance Evaluation and Data Management in Building Renovation Projects. Proceedings (mdpi), 2020, 65, 32.	0.2	2
26	Development of a Decision Support System to Enable Adaptive Manufacturing. Smart and Sustainable Manufacturing Systems, 2020, 4, 146-162.	0.7	2
27	Utilising the Cross Industry Standard Process for Data Mining to Reduce Uncertainty in the Measurement and Verification of Energy Savings. Lecture Notes in Computer Science, 2016, , 48-58.	1.3	2
28	Development of a Framework to Aid the Transition from Reactive to Proactive Maintenance Approaches to Enable Energy Reduction. Applied Sciences (Switzerland), 2022, 12, 6704.	2.5	2
29	Implementing the Green Batch: A case study: Continuous statistical evaluation to achieve the most energy efficient and reliable process. , 2014, , .		0
30	A data access framework for integration to facilitate efficient building operation. , 2014, , .		0
31	Advancing the Industrial Sectors Participation in Demand Response within National Electricity Grids. Energies, 2021, 14, 8261.	3.1	0