James Brusey

List of Publications by Year in descending order

44 papers	711 citations	567281 15 h-index	610901 24 g-index
47 all docs	47 docs citations	47 times ranked	817 citing authors

#	Article	IF	Citations
1	Differential radial basis function network for sequence modelling. Expert Systems With Applications, 2022, 189, 115982.	7.6	2
2	Using multi-objective optimisation with ADM1 and measured data to improve the performance of an existing anaerobic digestion system. Chemosphere, 2022, 301, 134523.	8.2	10
3	Off the boil? The challenges of monitoring cooking behaviour in refugee settlements. Energy Research and Social Science, 2022, 90, 102603.	6.4	1
4	Investigating the effects of two fragrances on cabin comfort in an automotive environment. Work, 2021, 68, S101-S110.	1.1	3
5	Influence of long-term thermal history on thermal comfort and preference. Energy and Buildings, 2020, 210, 109685.	6.7	54
6	Understanding Household Fuel Choice Behaviour in the Amazonas State, Brazil: Effects of Validation and Feature Selection. Energies, 2020, 13, 3857.	3.1	2
7	Comfort temperature and preferred adaptive behaviour in various classroom types in the UK higher learning environments. Energy and Buildings, 2020, 211, 109814.	6.7	26
8	A Box Regularized Particle Filter for state estimation with severely ambiguous and non-linear measurements. Automatica, 2019, 104, 102-110.	5.0	11
9	Heartbeat design for energy-aware IoT: Are your sensors alive?. Expert Systems With Applications, 2019, 128, 124-139.	7.6	10
10	A dynamic linear model for heteroscedastic LDA under class imbalance. Neurocomputing, 2019, 343, 65-75.	5.9	11
11	Identification of horizontal slug flow structures for application in selective cross-correlation metering. Flow Measurement and Instrumentation, 2019, 66, 141-149.	2.0	21
12	Reinforcement learning-based thermal comfort control for vehicle cabins. Mechatronics, 2018, 50, 413-421.	3.3	27
13	Linear dimensionality reduction for classification via a sequential Bayes error minimisation with an application to flow meter diagnostics. Expert Systems With Applications, 2018, 91, 252-262.	7.6	25
14	Developing a design framework to facilitate adaptive behaviours. Energy and Buildings, 2018, 179, 360-373.	6.7	22
15	Modelling uncontrolled solar drying of mango waste. Journal of Food Engineering, 2018, 237, 44-51.	5.2	24
16	An Event-Triggered Machine Learning Approach for Accelerometer-Based Fall Detection. Sensors, 2018, 18, 20.	3.8	66
17	Linear classifier design under heteroscedasticity in Linear Discriminant Analysis. Expert Systems With Applications, 2017, 79, 44-52.	7.6	17
18	Proof of concept of wireless TERS monitoring. Structural Control and Health Monitoring, 2017, 24, e2026.	4.0	2

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19	ReStructure: A Wireless Sensor Network for Monitoring Temporary Earth Retaining Systems. , 2016, , .		0
20	A Low Collision and High Throughput Data Collection Mechanism for Large-Scale Super Dense Wireless Sensor Networks. Sensors, 2016, 16, 1108.	3.8	5
21	Energy Profiling in Practical Sensor Networks: Identifying Hidden Consumers. IEEE Sensors Journal, 2016, 16, 6072-6080.	4.7	8
22	Optimising Low Power Dual Prediction Systems. , 2015, , .		0
23	Edge Mining the Internet of Things. IEEE Sensors Journal, 2013, 13, 3816-3825.	4.7	83
24	Fielded Autonomous Posture Classification Systems: Design and Realistic Evaluation. , 2013, , .		4
25	Leveraging Knowledge From Physiological Data: On-Body Heat Stress Risk Prediction With Sensor Networks. IEEE Transactions on Biomedical Circuits and Systems, 2013, 7, 861-870.	4.0	23
26	Long-Term Behavioural Change Detection through Pervasive Sensing. , 2013, , .		3
27	WSN deployments: Designing with patterns. , 2011, , .		1
28	Bare necessities—Knowledge-driven WSN design. , 2011, , .		6
29	Fall Detection with Wearable Sensors--Safe (Smart Fall Detection). , 2011, , .		46
30	Mutual Information-Based Sensor Positioning for Car Cabin Comfort Control. Lecture Notes in Computer Science, 2011, , 483-492.	1.3	2
31	EMBEDDED SENSING AND ACTUATION FOR HELMETS CO2 LEVELS CONTROL. International Journal on Smart Sensing and Intelligent Systems, 2011, 4, 160-185.	0.7	1
32	The Spanish Inquisition Protocol. , 2010, , .		17
33	Wireless sensor networks: design for real-life deployment and deployment experiences. Measurement Science and Technology, 2010, 21, 120101.	2.6	0
34	Learning from Deployment Experience. , 2010, , 15-50.		1
35	Effective RFID-based object tracking for manufacturing. International Journal of Computer Integrated Manufacturing, 2009, 22, 638-647.	4.6	46
36	Postural activity monitoring for increasing safety in bomb disposal missions. Measurement Science and Technology, 2009, 20, 075204.	2.6	23

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37	Wireless Sensor Networks to Enable the Passive House - Deployment Experiences. Lecture Notes in Computer Science, 2009, , 177-192.	1.3	16
38	A Novel Wearable Instrumentation System for Bomb Disposal Suits. Lecture Notes in Electrical Engineering, 2009, , 241-253.	0.4	0
39	Nonautonomous Elementary Net Systems and Their Application to Programmable Logic Control. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 397-409.	2.9	4
40	Sensing and actuation: End-to-end wireless systems design for mission critical applications. , 2008, , .		0
41	Using Body Sensor Networks for Increased Safety in Bomb Disposal Missions. , 2008, , .		9
42	The Practical Feasibility of Using RFID in a Metal Environment. , 2007, , .		14
43	Requirements on unique identifiers for managing product lifecycle information: comparison of alternative approaches. International Journal of Computer Integrated Manufacturing, 2007, 20, 715-726.	4.6	59
44	Integrating a New Machine into an Existing Manufacturing System by using Holonic Approach. , 2007, , .		5