Mark Richard Wilby

List of Publications by Year
in descending order

37	700	567247 15	552766 26
papers	citations	h-index	g-index

37	37	37	678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reentrant layer-by-layer growth: A numerical study. Physical Review B, 1993, 47, 4119-4122.	3.2	147
2	Towards a universal energy efficiency index for buildings. Energy and Buildings, 2011, 43, 980-987.	6.7	76
3	Modeling and Detecting Aggressiveness From Driving Signals. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1419-1428.	8.0	59
4	Advanced support vector machines for 802.11 indoor location. Signal Processing, 2012, 92, 2126-2136.	3.7	47
5	Setting up GHG-based energy efficiency targets in buildings: The Ecolabel. Energy Policy, 2013, 59, 633-642.	8.8	39
6	Nonparametric Model Comparison and Uncertainty Evaluation for Signal Strength Indoor Location. IEEE Transactions on Mobile Computing, 2009, 8, 1250-1264.	5.8	33
7	Bluetooth Traffic Monitoring Systems for Travel Time Estimation on Freeways. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 123-132.	8.0	27
8	Data-driven analysis of the impact of COVID-19 on Madrid's public transport during each phase of the pandemic. Cities, 2022, 127, 103723.	5.6	27
9	Empirical and dynamic primary energy factors. Energy, 2014, 73, 771-779.	8.8	25
10	EEOnt: An ontological model for a unified representation of energy efficiency in buildings. Energy and Buildings, 2013, 60, 20-27.	6.7	22
11	Shape of the surface-step-density oscillations during sputtering of singular and vicinal surfaces. Physical Review B, 1993, 48, 4968-4971.	3.2	21
12	Edge and Fog Computing Platform for Data Fusion of Complex Heterogeneous Sensors. Sensors, 2018, 18, 3630.	3.8	21
13	Morphology of singular and vicinal metal surfaces sputtered at different temperatures. Surface Science, 1993, 291, L733-L738.	1.9	19
14	Characterization of COVID-19â€™s Impact on Mobility and Short-Term Prediction of Public Transport Demand in a Mid-Size City in Spain. Sensors, 2021, 21, 6574.	3.8	18
15	Parallel Monte Carlo simulations of epitaxial growth. Computers in Physics, 1995, 9, 85.	0.5	15
16	Dedicated tax/subsidy scheme for reducing emissions by promoting innovation in buildings: The EcoTax. Energy Policy, 2012, 51, 417-424.	8.8	13
17	Lightweight Occupancy Estimation on Freeways Using Extended Floating Car Data. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 149-163.	4.2	13
18	Continuous-space Monte Carlo simulations of epitaxial growth. Journal of Crystal Growth, 1993, 127, 508-512.	1.5	12

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19	Origin of External Influences of Domain Stability on Si(100). Japanese Journal of Applied Physics, 1992, 31, L362-L364.	1.5	11
20	Growth kinetics of non-planar substrates. Journal of Crystal Growth, 1993, 127, 922-926.	1.5	11
21	A low energy and adaptive routing architecture for efficient field monitoring in heterogeneous wireless sensor networks. , 2011, , .		8
22	Evolution of the morphology of annealed, bulk mgo (100) substrate surfaces. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 37, 162-167.	3.5	6
23	Cluster dynamics on vicinal surfaces. Physical Review B, 1992, 46, 10345-10352.	3.2	5
24	The wasted energy: A metric to set up appropriate targets in our path towards fully renewable energy systems. Energy, 2015, 90, 900-909.	8.8	5
25	Hierarchical Agglomerative Clustering of Bicycle Sharing Stations Based on Ultra-Light Edge Computing. Sensors, 2020, 20, 3550.	3.8	4
26	ENERGY EFFICIENCY LANDSCAPES: AN ENERGY EFFICIENCY VISUAL TOOL FOR SUPPORTING DECISION MAKING IN BUILDINGS. Environmental Engineering and Management Journal, 2014, 13, 81-94.	0.6	4
27	Short-Term Prediction of Level of Service in Highways Based on Bluetooth Identification. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 142-151.	8.0	3
28	Data-Driven Performance Evaluation Framework for Multi-Modal Public Transport Systems. Sensors, 2022, 22, 17.	3.8	2
29	Hopping Barriers at Step Edges. Materials Research Society Symposia Proceedings, 1993, 312, 261.	0.1	1
30	Dynamical Model of Signal Propagation in the Heart. Journal of Theoretical Biology, 1994, 168, 399-406.	1.7	1
31	Propagating beats and fibrillation in a cellular automata model of an excitable medium. Chaos, Solitons and Fractals, 1995, 5, 623-634.	5.1	1
32	An activity-dependent hierarchical clustering method for sensory organization. Biological Cybernetics, 2014, 108, 49-60.	1.3	1
33	Data-Driven Analysis of Bicycle Sharing Systems as Public Transport Systems Based on a Trip Index Classification. Sensors, 2020, 20, 4315.	3.8	1
34	Detailed Origin-Destination Matrices of Bus Passengers Using Radio Frequency Identification. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 141-152.	3.8	1
35	Neuromorphic Sensor Network Platform: A Bioinspired Tool to Grow Applications in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 230401.	2.2	1
36	<title>Future trends in optical network evolution</title>. , 1993, , .		0

#	Article	IF	Citations
37	Analysis of Extended Information Provided by Bluetooth Traffic Monitoring Systems to Enhance Short-Term Level of Service Prediction. Sensors, 2022, 22, 4565.	3.8	0