

Johan BarthÃ©lemy

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

584
citations

686830

13
h-index

610482

24
g-index

34
all docs

34
docs citations

34
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge-Computing Video Analytics for Real-Time Traffic Monitoring in a Smart City. <i>Sensors</i> , 2019, 19, 2048.	2.1	113
2	Synthetic Population Generation Without a Sample. <i>Transportation Science</i> , 2013, 47, 266-279.	2.6	108
3	Computer Vision and IoT-Based Sensors in Flood Monitoring and Mapping: A Systematic Review. <i>Sensors</i> , 2019, 19, 5012.	2.1	56
4	How computer vision can facilitate flood management: A systematic review. <i>International Journal of Disaster Risk Reduction</i> , 2021, 53, 102030.	1.8	38
5	A Case Study of WiFi Sniffing Performance Evaluation. <i>IEEE Access</i> , 2020, 8, 129224-129235.	2.6	31
6	Sharkey: Real-Time Autonomous Personal Shark Alerting via Aerial Surveillance. <i>Drones</i> , 2020, 4, 18.	2.7	26
7	Automating Visual Blockage Classification of Culverts with Deep Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7561.	1.3	21
8	mipfp: An R Package for Multidimensional Array Fitting and Simulating Multivariate Bernoulli Distributions. <i>Journal of Statistical Software</i> , 2018, 86, .	1.8	21
9	Simulating Transport and Land Use Interdependencies for Strategic Urban Planningâ€”An Agent Based Modelling Approach. <i>Systems</i> , 2015, 3, 177-210.	1.2	15
10	A Heuristic Combinatorial Optimisation Approach to Synthesising a Population for Agent Based Modelling Purposes. <i>Jasss</i> , 2016, 19, .	1.0	15
11	RailNet: A simulation model for operational planning of rail freight. <i>Transportation Research Procedia</i> , 2017, 25, 461-473.	0.8	14
12	A dynamic behavioural traffic assignment model with strategic agents. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 85, 23-46.	3.9	13
13	Traffic exhaust to wildfires: PM2.5 measurements with fixed and portable, low-cost LoRaWAN-connected sensors. <i>PLoS ONE</i> , 2020, 15, e0231778.	1.1	13
14	A process-driven and need-oriented framework for review of technological contributions to disaster management. <i>Heliyon</i> , 2021, 7, e08405.	1.4	11
15	Urban Vehicle Localization in Public LoRaWan Network. <i>IEEE Internet of Things Journal</i> , 2022, 9, 10283-10294.	5.5	11
16	Performance Evaluation of Non-GPS Based Localization Techniques under Shadowing Effects. <i>Sensors</i> , 2019, 19, 2633.	2.1	9
17	A Scaled Physical Model Study of Culvert Blockage Exploring Complex Relationships Between Influential Factors. <i>Australian Journal of Water Resources</i> , 2023, 27, 191-204.	1.6	9
18	A comparative study of topological analysis and temporal network analysis of a public transport system. <i>International Journal of Transportation Science and Technology</i> , 2022, 11, 392-405.	2.0	8

#	ARTICLE	IF	CITATIONS
19	A Stochastic and Flexible Activity Based Model for Large Population. Application to Belgium. Jasss, 2015, 18, .	1.0	8
20	An adaptive agent-based approach to traffic simulation. Transportation Research Procedia, 2017, 25, 1238-1248.	0.8	7
21	Prediction of Hydraulic Blockage at Culverts using Lab Scale Simulated Hydraulic Data. Urban Water Journal, 2022, 19, 686-699.	1.0	7
22	Autonomous Lidar-Based Monitoring of Coastal Lagoon Entrances. Remote Sensing, 2021, 13, 1320.	1.8	6
23	Problem-Driven and Technology-Enabled Solutions for Safer Communities. , 2021, , 1-28.		5
24	Synthetic Population Initialization and Evolution-Agent-Based Modelling of Population Aging and Household Transitions. Lecture Notes in Computer Science, 2014, , 182-189.	1.0	5
25	Assessing the effects of mobility on air quality: The Liverpool Smart Pedestrian project. Transportation Research Procedia, 2020, 48, 2197-2206.	0.8	4
26	An Ontology Based Context-Aware Architecture for Smart Campus Applications. , 2018, , .		3
27	Where is my Deer?-Wildlife Tracking And Counting via Edge Computing And Deep Learning. , 2020, , .		3
28	Calculation of an Interaction Index between the Extractive Activity and Groundwater Resources. Energy Procedia, 2015, 76, 412-420.	1.8	2
29	Estimating Cross-Classified Population Counts of Multidimensional Tables: An Application to Regional Australia to Obtain Pseudo-Census Counts. Journal of Official Statistics, 2017, 33, 1021-1050.	0.1	1
30	Towards the Right Ordering of the Sequence of Models for the Evolution of a Population Using Agent-Based Simulation. Jasss, 2018, 21, .	1.0	1
31	Interaction prediction between groundwater and quarry extension using discrete choice models and artificial neural networks. Environmental Earth Sciences, 2016, 75, 1.	1.3	0
32	Problem-Driven and Technology-Enabled Solutions for Safer Communities. , 2021, , 1289-1316.		0
33	Towards Agent-Based Traffic Simulation Using Live Data from Sensors for Smart Cities. Lecture Notes in Computer Science, 2021, , 28-40.	1.0	0
34	Towards the Evolution of Synthetic Population in Continuous Time. Springer Proceedings in Complexity, 2021, , 201-205.	0.2	0