

# Johan BarthÃ©lemy

## List of Publications by Year in descending order

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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	A Scaled Physical Model Study of Culvert Blockage Exploring Complex Relationships Between Influential Factors. Australian Journal of Water Resources, 2023, 27, 191-204.	1.6	9
2	A comparative study of topological analysis and temporal network analysis of a public transport system. International Journal of Transportation Science and Technology, 2022, 11, 392-405.	2.0	8
3	Urban Vehicle Localization in Public LoRaWan Network. IEEE Internet of Things Journal, 2022, 9, 10283-10294.	5.5	11
4	Prediction of Hydraulic Blockage at Culverts using Lab Scale Simulated Hydraulic Data. Urban Water Journal, 2022, 19, 686-699.	1.0	7
5	Problem-Driven and Technology-Enabled Solutions for Safer Communities. , 2021, , 1289-1316.		0
6	Towards Agent-Based Traffic Simulation Using Live Data from Sensors for Smart Cities. Lecture Notes in Computer Science, 2021, , 28-40.	1.0	0
7	How computer vision can facilitate flood management: A systematic review. International Journal of Disaster Risk Reduction, 2021, 53, 102030.	1.8	38
8	Autonomous Lidar-Based Monitoring of Coastal Lagoon Entrances. Remote Sensing, 2021, 13, 1320.	1.8	6
9	Automating Visual Blockage Classification of Culverts with Deep Learning. Applied Sciences (Switzerland), 2021, 11, 7561.	1.3	21
10	Towards the Evolution of Synthetic Population in Continuous Time. Springer Proceedings in Complexity, 2021, , 201-205.	0.2	0
11	Problem-Driven and Technology-Enabled Solutions for Safer Communities. , 2021, , 1-28.		5
12	A process-driven and need-oriented framework for review of technological contributions to disaster management. Heliyon, 2021, 7, e08405.	1.4	11
13	A Case Study of WiFi Sniffing Performance Evaluation. IEEE Access, 2020, 8, 129224-129235.	2.6	31
14	Assessing the effects of mobility on air quality: The Liverpool Smart Pedestrian project. Transportation Research Procedia, 2020, 48, 2197-2206.	0.8	4
15	Where is my Deer?-Wildlife Tracking And Counting via Edge Computing And Deep Learning. , 2020, , .		3
16	Sharkey: Real-Time Autonomous Personal Shark Alerting via Aerial Surveillance. Drones, 2020, 4, 18.	2.7	26
17	Traffic exhaust to wildfires: PM2.5 measurements with fixed and portable, low-cost LoRaWAN-connected sensors. PLoS ONE, 2020, 15, e0231778.	1.1	13
18	Performance Evaluation of Non-GPS Based Localization Techniques under Shadowing Effects. Sensors, 2019, 19, 2633.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Edge-Computing Video Analytics for Real-Time Traffic Monitoring in a Smart City. <i>Sensors</i> , 2019, 19, 2048.	2.1	113
20	Computer Vision and IoT-Based Sensors in Flood Monitoring and Mapping: A Systematic Review. <i>Sensors</i> , 2019, 19, 5012.	2.1	56
21	An Ontology Based Context-Aware Architecture for Smart Campus Applications. , 2018, , .		3
22	Towards the Right Ordering of the Sequence of Models for the Evolution of a Population Using Agent-Based Simulation. <i>Jasss</i> , 2018, 21, .	1.0	1
23	<b>mipfp</b> : An <i>R</i> Package for Multidimensional Array Fitting and Simulating Multivariate Bernoulli Distributions. <i>Journal of Statistical Software</i> , 2018, 86, .	1.8	21
24	An adaptive agent-based approach to traffic simulation. <i>Transportation Research Procedia</i> , 2017, 25, 1238-1248.	0.8	7
25	RailNet: A simulation model for operational planning of rail freight. <i>Transportation Research Procedia</i> , 2017, 25, 461-473.	0.8	14
26	Estimating Cross-Classified Population Counts of Multidimensional Tables: An Application to Regional Australia to Obtain Pseudo-Census Counts. <i>Journal of Official Statistics</i> , 2017, 33, 1021-1050.	0.1	1
27	A dynamic behavioural traffic assignment model with strategic agents. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 85, 23-46.	3.9	13
28	Interaction prediction between groundwater and quarry extension using discrete choice models and artificial neural networks. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	0
29	A Heuristic Combinatorial Optimisation Approach to Synthesising a Population for Agent Based Modelling Purposes. <i>Jasss</i> , 2016, 19, .	1.0	15
30	Calculation of an Interaction Index between the Extractive Activity and Groundwater Resources. <i>Energy Procedia</i> , 2015, 76, 412-420.	1.8	2
31	Simulating Transport and Land Use Interdependencies for Strategic Urban Planning – An Agent Based Modelling Approach. <i>Systems</i> , 2015, 3, 177-210.	1.2	15
32	A Stochastic and Flexible Activity Based Model for Large Population. Application to Belgium. <i>Jasss</i> , 2015, 18, .	1.0	8
33	Synthetic Population Initialization and Evolution-Agent-Based Modelling of Population Aging and Household Transitions. <i>Lecture Notes in Computer Science</i> , 2014, , 182-189.	1.0	5
34	Synthetic Population Generation Without a Sample. <i>Transportation Science</i> , 2013, 47, 266-279.	2.6	108