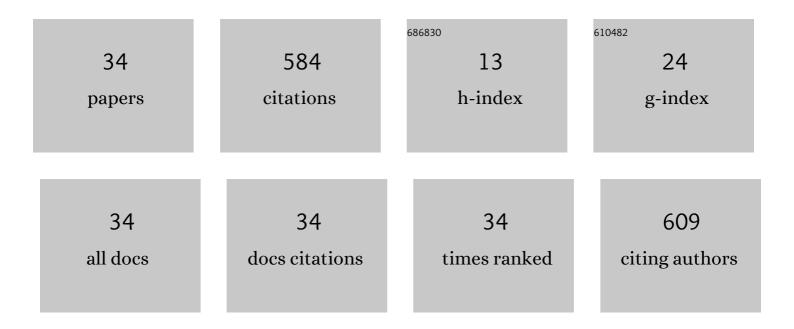
Johan Barthélemy

List of Publications by Year in descending order

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Ιομαν ΒαρτμΑΩιεμγ

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

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#	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