Georgios Tsoumanis

List of Publications by Year
in descending order

35 papers	246 citations	1039880 9 h-index	996849 15 g-index
35 all docs	35 docs citations	35 times ranked	237 citing authors

#	Article	IF	Citations
1	Modeling and Simulation Tools for Fog Computing—A Comprehensive Survey from a Cost Perspective. Future Internet, 2020, 12, 89.	2.4	37
2	Wireless Sensor Network Synchronization for Precision Agriculture Applications. Agriculture (Switzerland), 2020, 10, 89.	1.4	37
3	Energy-efficient sink placement in wireless sensor networks. Computer Networks, 2018, 141, 166-178.	3.2	20
4	An Alertness-Adjustable Cloud/Fog IoT Solution for Timely Environmental Monitoring Based on Wildfire Risk Forecasting. Energies, 2020, 13, 3693.	1.6	19
5	Latency-Adjustable Cloud/Fog Computing Architecture for Time-Sensitive Environmental Monitoring in Olive Groves. AgriEngineering, 2020, 2, 175-205.	1.7	16
6	A Low-Cost Vehicular Traffic Monitoring System Using Fog Computing. Smart Cities, 2020, 3, 138-156.	5.5	15
7	Structural Health Monitoring in Historical Buildings: A Network Approach. Heritage, 2020, 3, 796-818.	0.9	13
8	Energy and Distance Optimization in Rechargeable Wireless Sensor Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 378-391.	3.5	11
9	A recharging distance analysis for wireless sensor networks. Ad Hoc Networks, 2018, 75-76, 80-86.	3.4	10
10	Improving the Accuracy of Low-Cost Sensor Measurements for Freezer Automation. Sensors, 2020, 20, 6389.	2.1	9
11	CaBIUs: Description of the Enhanced Wireless Campus Testbed of the Ionian University. Electronics (Switzerland), 2020, 9, 454.	1.8	8
12	Transfer Learning versus Custom CNN Architectures in NAFLD Biopsy Images. , 2020, , .		7
13	5G UFMC Scheme Performance with Different Numerologies. Electronics (Switzerland), 2021, 10, 1915.	1.8	6
14	A Fairness-Aware topology independent TDMA MAC policy in time constrained wireless ad hoc networks. Computer Networks, 2020, 171, 107157.	3.2	5
15	The Smart Evolution of Historical Cities: Integrated Innovative Solutions Supporting the Energy Transition while Respecting Cultural Heritage. Sustainability, 2021, 13, 9358.	1.6	5
16	Adapting Probabilistic Flooding in Energy Harvesting Wireless Sensor Networks. Journal of Sensor and Actuator Networks, 2018, 7, 39.	2.3	4
17	Constructing Virtual Backbones over Low-Cost Wireless Networks for Smart Tourism Services. , 2019, , .		4
18	Changing the look of a city: The v-Corfu case. , 2014, , .		3

#	Article	IF	Citations
19	Structural Health Monitoring In Historical Buildings Using A Low Cost Wireless Sensor Network. , 2019, , .		3
20	Heterogeneous hybrid extreme learning machine for temperature sensor accuracy improvement. Expert Systems With Applications, 2022, 203, 117488.	4.4	3
21	Shortest Path Algorithms for Pedestrian Navigation Systems. Information (Switzerland), 2022, 13, 269.	1.7	3
22	Optimum Capacity over Power Consumption Requirements in MIMO Systems. , 2019, , .		1
23	Random Walkers Coverage Experimentation and Evaluation in Low-Cost Wireless Home Networks. , 2019, , .		1
24	Implementation of a Low-Cost Vehicle Traffic Monitoring System in the Town of Corfu. , 2019, , .		1
25	Implementation of a Topology Independent MAC (TiMAC) Policy on a Low-Cost IoT System. Future Internet, 2020, 12, 86.	2.4	1
26	Evaluation of Epidemic-Based Information Dissemination in a Wireless Network Testbed. Technologies, 2020, 8, 36.	3.0	1
27	A Traffic Load-based Algorithm for Extending the Lifetime of Wireless Sensor Networks. , 2021, , .		1
28	A Proposed Multi -Head Clustering Algorithm for VANET Environments. , 2021, , .		1
29	Smart Agriculture: A Low-Cost Wireless Sensor Network Approach. Springer Optimization and Its Applications, 2022, , 139-172.	0.6	1
30	Performance Evaluation of a Proposed On-Demand Recharging Policy in Wireless Sensor Networks. , 2018, , .		0
31	Description of the Ionian University's Campus Wireless Network Testbed Infrastructure. , 2019, , .		0
32	Network Lifetime Extension Evaluation of Energy Harvesting and Clustering Approaches in WSNs. , 2019, , .		0
33	Constructing Minimal Maintenance Virtual Backbones over Low-Cost Wireless Networks. , 2019, , .		0
34	A Lifetime Extension Framework for Wireless Sensor Networks. , 2020, , .		0
35	A Traffic-Load-Based Algorithm for Wireless Sensor Networks' Lifetime Extension. Information (Switzerland), 2022, 13, 202.	1.7	0