Konstantinos Oikonomou

List of Publications by Year in Descending Order

61 papers	396 citations	11 h-index	16 g-index
82 ext. papers	553 ext. citations	3.3 avg, IF	3.83 L-index

#	Paper	IF	Citations
61	Smart Agriculture: A Low-Cost Wireless Sensor Network Approach. *Springer Optimization and Its Applications*, **2022**, 139-172	0.4	
60	. *IEEE Transactions on Green Communications and Networking*, **2021**, 5, 378-391	4	4
59	Implementation of a Topology Independent MAC (TiMAC) Policy on a Low-Cost IoT System. *Future Internet*, **2020**, 12, 86	3.3	
58	A Low-Cost Vehicular Traffic Monitoring System Using Fog Computing. *Smart Cities*, **2020**, 3, 138-156	3.3	5
57	CaBIUs: Description of the Enhanced Wireless Campus Testbed of the Ionian University. *Electronics (Switzerland)*, **2020**, 9, 454	2.6	5
56	Evaluation of Epidemic-Based Information Dissemination in a Wireless Network Testbed. *Technologies*, **2020**, 8, 36	2.4	
55	A Fairness-Aware topology independent TDMA MAC policy in time constrained wireless ad hoc networks. *Computer Networks*, **2020**, 171, 107157	5.4	2
54	Wireless Sensor Network Synchronization for Precision Agriculture Applications. *Agriculture (Switzerland)*, **2020**, 10, 89	3	13
53	Latency-Adjustable Cloud/Fog Computing Architecture for Time-Sensitive Environmental Monitoring in Olive Groves. *AgriEngineering*, **2020**, 2, 175-205	2.2	7
52	Braided Routing Technique to Balance Traffic Load in Wireless Sensor Networks **2020**, 837-855		
51	Impact of drone route geometry on information collection in wireless sensor networks. *Ad Hoc Networks*, **2020**, 106, 102220	4.8	5
50	Structural Health Monitoring in Historical Buildings: A Network Approach. *Heritage*, **2020**, 3, 796-818	1.6	8
49	An Alertness-Adjustable Cloud/Fog IoT Solution for Timely Environmental Monitoring Based on Wildfire Risk Forecasting. *Energies*, **2020**, 13, 3693	3.1	9
48	Multiple and replicated random walkers analysis for service discovery in fog computing IoT environments. *Ad Hoc Networks*, **2019**, 93, 101893	4.8	4
47	Evaluation of a proposed minimum path impotence routing policy in wireless sensor networks. *Ad Hoc Networks*, **2019**, 94, 101928	4.8	1
46	Synchronization of data measurements in wireless sensor networks for IoT applications. *Ad Hoc Networks*, **2019**, 89, 47-57	4.8	15
45	A Cloud Gaming Architecture Leveraging Fog for Dynamic Load Balancing in Cluster-Based MMOs **2019**,		1

44	Structural Health Monitoring In Historical Buildings Using A Low Cost Wireless Sensor Network **2019**,		3
43	Evaluating Museum Virtual Tours: The Case Study of Italy. *Information (Switzerland)*, **2019**, 10, 351	2.6	13
42	A recharging distance analysis for wireless sensor networks. *Ad Hoc Networks*, **2018**, 75-76, 80-86	4.8	5
41	Adaptive Exhibition Topologies for Personalized Virtual Museums. *IOP Conference Series: Materials Science and Engineering*, **2018**, 364, 012011	0.4	1
40	Average Load Definition in Random Wireless Sensor Networks: The Traffic Load Case. *Technologies*, **2018**, 6, 112	2.4	
39	**2018**,		1
38	Interaction and Information Communication in Virtual Museums. *IOP Conference Series: Materials Science and Engineering*, **2018**, 364, 012038	0.4	
37	Adapting Probabilistic Flooding in Energy Harvesting Wireless Sensor Networks. *Journal of Sensor and Actuator Networks*, **2018**, 7, 39	3.8	1
36	Probabilistic flooding coverage analysis for efficient information dissemination in wireless networks. *Computer Networks*, **2018**, 140, 51-61	5.4	5
35	Energy-efficient sink placement in wireless sensor networks. *Computer Networks*, **2018**, 141, 166-178	5.4	13
34	A disjoint frame topology-independent TDMA MAC policy for safety applications in vehicular networks. *Ad Hoc Networks*, **2018**, 79, 43-52	4.8	6
33	Random Walker Coverage Analysis for Information Dissemination in Wireless Sensor Networks. *Technologies*, **2017**, 5, 33	2.4	1
32	Braided Routing Technique to Balance Traffic Load in Wireless Sensor Networks. *International Journal of Monitoring and Surveillance Technologies Research*, **2016**, 4, 1-19		
31	A framework for cultural heritage content organisation, dissemination and communication in large-scale virtual environments. *International Journal of Computational Intelligence Studies*, **2016**, 5, 71	0.7	
30	Elastic virtual machine placement in cloud computing network environments. *Computer Networks*, **2015**, 93, 435-447	5.4	46
29	A v(irtual)-City implementation for promoting cultural heritage. *International Journal of Computational Intelligence Studies*, **2015**, 4, 173	0.7	3
28	Cultural heritage recommendations and user navigation in large scale virtual environments. *International Journal of Computational Intelligence Studies*, **2015**, 4, 151	0.7	6
27	A braided routing mechanism to reduce traffic load variance in wireless sensor networks **2015**,		2

26	Scalable Traffic-Aware Virtual Machine Management for Cloud Data Centers **2014**,		22
25	Avoiding energy holes in wireless sensor networks with non-uniform energy distribution **2014**,		6
24	Distributed Server Migration for Scalable Internet Service Deployment. *IEEE/ACM Transactions on Networking*, **2014**, 22, 917-930	3.8	13
23	Efficient and realistic cultural heritage representation in large scale virtual environments **2014**,		1
22	A Wireless Sensor Network Innovative Architecture for Ambient Vibrations Structural Monitoring. *Key Engineering Materials*, **2014**, 628, 218-224	0.4	0
21	Synchronization Issues in an Innovative Wireless Sensor Network Architecture Monitoring Ambient Vibrations in Historical Buildings. *Key Engineering Materials*, **2014**, 628, 225-230	0.4	0
20	Implementing Scalable, Network-Aware Virtual Machine Migration for Cloud Data Centers **2013**,		4
19	Dynamic sink assignment for efficient energy consumption in wireless sensor networks **2012**,		5
18	A distributed privacy-preserving scheme for location-based queries **2010**,		9
17	. *IEEE Journal on Selected Areas in Communications*, **2010**, 28, 84-94	14.2	22
16	Random walk with jumps in large-scale random geometric graphs. *Computer Communications*, **2010**, 33, 1505-1514	5.1	9
15	Probabilistic flooding for efficient information dissemination in random graph topologies. *Computer Networks*, **2010**, 54, 1615-1629	5.4	16
14	A study of information dissemination under multiple random walkers and replication mechanisms **2010**,		4
13	**2009**,		3
12	Scalable service migration in general topologies **2008**,		11
11	An Adaptive Time-Spread Multiple-Access Policy for Wireless Sensor Networks. *Eurasip Journal on Wireless Communications and Networking*, **2007**, 2007, 1	3.2	3
10	Performance Analysis of Probabilistic Flooding Using Random Graphs **2007**,		17
9	Energy considerations for topology-unaware TDMA MAC protocols. *Ad Hoc Networks*, **2006**, 4, 359-379	4.8	4

8	Analysis of a topology control paradigm in WLAN/WPAN environments. *Computer Communications*, **2006**, 29, 2096-2108	5.1	0
7	Throughput Analysis of an Aloha-Based MAC Policy for Ad Hoc Networks. *International Federation for Information Processing*, **2006**, 219-223		
6	Performance analysis of topology-unaware TDMA MAC schemes for ad hoc networks with topology control. *Computer Communications*, **2005**, 28, 313-324	5.1	3
5	Analysis of topology-unaware TDMA MAC policies for ad-hoc networks under diverse traffic loads. *Mobile Computing and Communications Review*, **2005**, 9, 25-38		4
4	Analysis of a probabilistic topology-unaware TDMA MAC policy for ad hoc networks. *IEEE Journal on Selected Areas in Communications*, **2004**, 22, 1286-1300	14.2	35
3	Load Analysis of Topology-Unaware TDMA MAC Policies for Ad Hoc Networks. *Lecture Notes in Computer Science*, **2004**, 84-93	0.9	3
2	Throughput Analysis of a Probabilistic Topology-Unaware TDMA MAC Policy for Ad-hoc Networks. *Lecture Notes in Computer Science*, **2003**, 172-181	0.9	4
1	A Probabilistic Topology Unaware TDMA Medium Access Control Policy for Ad Hoc Environments. *Lecture Notes in Computer Science*, **2003**, 291-305	0.9	5