

# Konstantinos Oikonomou

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1091237/konstantinos-oikonomou-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Elastic virtual machine placement in cloud computing network environments. <i>Computer Networks</i> , <b>2015</b> , 93, 435-447	5.4	46
60	Analysis of a probabilistic topology-unaware TDMA MAC policy for ad hoc networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2004</b> , 22, 1286-1300	14.2	35
59	Scalable Traffic-Aware Virtual Machine Management for Cloud Data Centers <b>2014</b> ,		22
58	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2010</b> , 28, 84-94	14.2	22
57	Performance Analysis of Probabilistic Flooding Using Random Graphs <b>2007</b> ,		17
56	Probabilistic flooding for efficient information dissemination in random graph topologies. <i>Computer Networks</i> , <b>2010</b> , 54, 1615-1629	5.4	16
55	Synchronization of data measurements in wireless sensor networks for IoT applications. <i>Ad Hoc Networks</i> , <b>2019</b> , 89, 47-57	4.8	15
54	Wireless Sensor Network Synchronization for Precision Agriculture Applications. <i>Agriculture (Switzerland)</i> , <b>2020</b> , 10, 89	3	13
53	Distributed Server Migration for Scalable Internet Service Deployment. <i>IEEE/ACM Transactions on Networking</i> , <b>2014</b> , 22, 917-930	3.8	13
52	Evaluating Museum Virtual Tours: The Case Study of Italy. <i>Information (Switzerland)</i> , <b>2019</b> , 10, 351	2.6	13
51	Energy-efficient sink placement in wireless sensor networks. <i>Computer Networks</i> , <b>2018</b> , 141, 166-178	5.4	13
50	Scalable service migration in general topologies <b>2008</b> ,		11
49	A distributed privacy-preserving scheme for location-based queries <b>2010</b> ,		9
48	Random walk with jumps in large-scale random geometric graphs. <i>Computer Communications</i> , <b>2010</b> , 33, 1505-1514	5.1	9
47	An Alertness-Adjustable Cloud/Fog IoT Solution for Timely Environmental Monitoring Based on Wildfire Risk Forecasting. <i>Energies</i> , <b>2020</b> , 13, 3693	3.1	9
46	Structural Health Monitoring in Historical Buildings: A Network Approach. <i>Heritage</i> , <b>2020</b> , 3, 796-818	1.6	8
45	Latency-Adjustable Cloud/Fog Computing Architecture for Time-Sensitive Environmental Monitoring in Olive Groves. <i>AgriEngineering</i> , <b>2020</b> , 2, 175-205	2.2	7

44	Avoiding energy holes in wireless sensor networks with non-uniform energy distribution <b>2014</b> ,		6
43	Cultural heritage recommendations and user navigation in large scale virtual environments. <i>International Journal of Computational Intelligence Studies</i> , <b>2015</b> , 4, 151	0.7	6
42	A disjoint frame topology-independent TDMA MAC policy for safety applications in vehicular networks. <i>Ad Hoc Networks</i> , <b>2018</b> , 79, 43-52	4.8	6
41	A Low-Cost Vehicular Traffic Monitoring System Using Fog Computing. <i>Smart Cities</i> , <b>2020</b> , 3, 138-156	3.3	5
40	CaBIUs: Description of the Enhanced Wireless Campus Testbed of the Ionian University. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 454	2.6	5
39	A recharging distance analysis for wireless sensor networks. <i>Ad Hoc Networks</i> , <b>2018</b> , 75-76, 80-86	4.8	5
38	Dynamic sink assignment for efficient energy consumption in wireless sensor networks <b>2012</b> ,		5
37	A Probabilistic Topology Unaware TDMA Medium Access Control Policy for Ad Hoc Environments. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 291-305	0.9	5
36	Impact of drone route geometry on information collection in wireless sensor networks. <i>Ad Hoc Networks</i> , <b>2020</b> , 106, 102220	4.8	5
35	Probabilistic flooding coverage analysis for efficient information dissemination in wireless networks. <i>Computer Networks</i> , <b>2018</b> , 140, 51-61	5.4	5
34	Multiple and replicated random walkers analysis for service discovery in fog computing IoT environments. <i>Ad Hoc Networks</i> , <b>2019</b> , 93, 101893	4.8	4
33	Implementing Scalable, Network-Aware Virtual Machine Migration for Cloud Data Centers <b>2013</b> ,		4
32	Energy considerations for topology-unaware TDMA MAC protocols. <i>Ad Hoc Networks</i> , <b>2006</b> , 4, 359-379	4.8	4
31	Throughput Analysis of a Probabilistic Topology-Unaware TDMA MAC Policy for Ad-hoc Networks. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 172-181	0.9	4
30	Analysis of topology-unaware TDMA MAC policies for ad-hoc networks under diverse traffic loads. <i>Mobile Computing and Communications Review</i> , <b>2005</b> , 9, 25-38		4
29	A study of information dissemination under multiple random walkers and replication mechanisms <b>2010</b> ,		4
28	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 5, 378-391	4	4
27	A v(irtual)-City implementation for promoting cultural heritage. <i>International Journal of Computational Intelligence Studies</i> , <b>2015</b> , 4, 173	0.7	3

26	<b>2009,</b>			3
25	An Adaptive Time-Spread Multiple-Access Policy for Wireless Sensor Networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2007</b> , 2007, 1	3.2		3
24	Performance analysis of topology-unaware TDMA MAC schemes for ad hoc networks with topology control. <i>Computer Communications</i> , <b>2005</b> , 28, 313-324	5.1		3
23	Load Analysis of Topology-Unaware TDMA MAC Policies for Ad Hoc Networks. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 84-93	0.9		3
22	Structural Health Monitoring In Historical Buildings Using A Low Cost Wireless Sensor Network <b>2019,</b>			3
21	A Fairness-Aware topology independent TDMA MAC policy in time constrained wireless ad hoc networks. <i>Computer Networks</i> , <b>2020</b> , 171, 107157	5.4		2
20	A braided routing mechanism to reduce traffic load w/local variance in wireless sensor networks <b>2015,</b>			2
19	Evaluation of a proposed minimum path impotence routing policy in wireless sensor networks. <i>Ad Hoc Networks</i> , <b>2019</b> , 94, 101928	4.8		1
18	Random Walker Coverage Analysis for Information Dissemination in Wireless Sensor Networks. <i>Technologies</i> , <b>2017</b> , 5, 33	2.4		1
17	Efficient and realistic cultural heritage representation in large scale virtual environments <b>2014,</b>			1
16	A Cloud Gaming Architecture Leveraging Fog for Dynamic Load Balancing in Cluster-Based MMOs <b>2019,</b>			1
15	Adaptive Exhibition Topologies for Personalized Virtual Museums. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 364, 012011	0.4		1
14	<b>2018,</b>			1
13	Adapting Probabilistic Flooding in Energy Harvesting Wireless Sensor Networks. <i>Journal of Sensor and Actuator Networks</i> , <b>2018</b> , 7, 39	3.8		1
12	A Wireless Sensor Network Innovative Architecture for Ambient Vibrations Structural Monitoring. <i>Key Engineering Materials</i> , <b>2014</b> , 628, 218-224	0.4		0
11	Synchronization Issues in an Innovative Wireless Sensor Network Architecture Monitoring Ambient Vibrations in Historical Buildings. <i>Key Engineering Materials</i> , <b>2014</b> , 628, 225-230	0.4		0
10	Analysis of a topology control paradigm in WLAN/WPAN environments. <i>Computer Communications</i> , <b>2006</b> , 29, 2096-2108	5.1		0
9	Implementation of a Topology Independent MAC (TiMAC) Policy on a Low-Cost IoT System. <i>Future Internet</i> , <b>2020</b> , 12, 86	3.3		

- 8 Evaluation of Epidemic-Based Information Dissemination in a Wireless Network Testbed. *Technologies*, **2020**, 8, 36 2.4
- 7 Braided Routing Technique to Balance Traffic Load in Wireless Sensor Networks **2020**, 837-855
- 6 Throughput Analysis of an Aloha-Based MAC Policy for Ad Hoc Networks. *International Federation for Information Processing*, **2006**, 219-223
- 5 Braided Routing Technique to Balance Traffic Load in Wireless Sensor Networks. *International Journal of Monitoring and Surveillance Technologies Research*, **2016**, 4, 1-19
- 4 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
- 3 Average Load Definition in Random Wireless Sensor Networks: The Traffic Load Case. *Technologies*, **2018**, 6, 112 2.4
- 2 Interaction and Information Communication in Virtual Museums. *IOP Conference Series: Materials Science and Engineering*, **2018**, 364, 012038 0.4
- 1 Smart Agriculture: A Low-Cost Wireless Sensor Network Approach. *Springer Optimization and Its Applications*, **2022**, 139-172 0.4