Sonja Filiposka

List of Publications by Citations

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

50 papers	414 citations	8 h-index	19 g-index
65 ext. papers	529 ext. citations	1.9 avg, IF	4.04 L-index

#	Paper	IF	Citations
50	Deep belief network based electricity load forecasting: An analysis of Macedonian case. *Energy*, **2016**, 115, 1688-1700	7.9	177
49	Cooperative method for wireless sensor network localization. *Ad Hoc Networks*, **2016**, 40, 61-72	4.8	31
48	Youth e-participation as a pillar of sustainable societies. *Journal of Cleaner Production*, **2018**, 174, 114-122	10.3	22
47	Community-based allocation and migration strategies for fog computing **2018**,		18
46	Community-based VM placement framework. *Journal of Supercomputing*, **2015**, 71, 4504-4528	2.5	15
45	Feature Ranking Based on Information Gain for Large Classification Problems with MapReduce **2015**,		13
44	Improving the Energy Efficiency in Cloud Computing Data Centres Through Resource Allocation Techniques **2017**, 211-236		9
43	Terrain-aware three-dimensional radio-propagation model extension for NS-2. *Simulation*, **2011**, 87, 7-23	1.2	9
42	Community-based complex cloud data center. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 419, 356-372	3.3	8
41	Open Cloud eXchange (OCX): Architecture and Functional Components **2013**,		8
40	Parallel computation of information gain using Hadoop and MapReduce **2015**,		8
39	Ad hoc networks connection availability modeling **2004**,		8
38	Bridging online and offline social networks: Multiplex analysis. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 471, 825-836	3.3	7
37	On opinion formation and synchronization in multiplex networks **2013**,		7
36	Mobile-aware dynamic resource management for edge computing. *Transactions on Emerging Telecommunications Technologies*, **2019**, 30, e3626	1.9	6
35	IoT Serverless Computing at the Edge: A Systematic Mapping Review. *Computers*, **2021**, 10, 130	1.9	6
34	ZeroTouch Provisioning (ZTP) Model and Infrastructure Components for Multi-provider Cloud Services Provisioning **2016**,		5

33	Performances of Clustered Ad Hoc Networks on 3D Terrains **2009**,		5
32	Rural Healthcare IoT Architecture Based on Low-Energy LoRa. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	5
31	Balancing Performances in Online VM Placement. *Advances in Intelligent Systems and Computing*, **2016**, 153-162	0.4	4
30	**2015**,		4
29	Current prospects towards energy-efficient top HPC systems. *Computer Science and Information Systems*, **2016**, 13, 151-171	0.8	4
28	Durkin Propagation Model Based on Triangular Irregular Network Terrain. *Communications in Computer and Information Science*, **2011**, 333-341	0.3	4
27	Game Theoretic Approach for Discovering Vulnerable Links in Complex Networks **2010**, 211-216		3
26	Predictive Migration Performance in Vehicular Edge Computing Environments. *Applied Sciences (Switzerland)*, **2021**, 11, 944	2.6	3
25	Analysis of small world phenomena and group mobility in ad hoc networks **2007**, 425-430		3
24	Offloading Edge Vehicular Services in Realistic Urban Environments. *IEEE Access*, **2020**, 8, 11491-11502	3.5	2
23	Complex Cloud Datacenters. *IERI Procedia*, **2014**, 7, 8-14		2
22	Parallel implementation of the modified subset sum problem in CUDA **2014**,		2
21	Performance analysis of scale-free communities in ad hoc networks **2009**,		2
20	Supporting Location Transparent Services in a Mobile Edge Computing Environment. *Advances in Electrical and Computer Engineering*, **2018**, 18, 11-22	1.3	2
19	Smartphone Traffic Review. *Advances in Intelligent Systems and Computing*, **2014**, 291-301	0.4	2
18	Enabling Automated Network Services Provisioning for Cloud Based Applications Using Zero Touch Provisioning **2015**,		2
17	Multidimensional hierarchical VM migration management for HPC cloud environments. *Journal of Supercomputing*, **2019**, 75, 5324-5346	2.5	1
16	Balancing high performance and energy efficiency in cloud allocation problems **2017**,		1

15	Enabling high performance cloud computing using zero touch provisioning **2015**,		1
14	Grid Computing Implementation in Ad Hoc Networks **2008**, 196-201		1
13	Kubernetes distributions for the edge: serverless performance evaluation. *Journal of Supercomputing*,1	2.5	1
12	Serverless Platforms Performance Evaluation at the Network Edge. *Communications in Computer and Information Science*, **2022**, 160-172	0.3	1
11	Energy Dependent Connection Availability Model for Ad Hoc Networks **2008**, 489-494		0
10	Fat Tree Algebraic Formal Modelling Applied to Fog Computing. *Communications in Computer and Information Science*, **2020**, 111-126	0.3	0
9	Character Traits in Online Education: Case Study. *Communications in Computer and Information Science*, **2018**, 247-258	0.3	0
8	Cybersecurity Training Platforms Assessment. *Communications in Computer and Information Science*, **2020**, 174-188	0.3	
7	Computation and measurement of low frequency magnetic field near thin-wire structures. *Facta Universitatis - Series Electronics and Energetics*, **2007**, 20, 1-8	0.4	
6	Opportunities and Challenges for Green HPC. *Advances in Intelligent Systems and Computing*, **2015**, 45-54	0.4	
5	Impact of Community Structures on Ad Hoc Networks Performances **2010**, 197-206		
4	Apportionment Heuristics for Mapping Tasks in Heterogeneous Computing Systems. *Advances in Intelligent and Soft Computing*, **2012**, 347-356		
3	Effects of Terrain Details on Wireless Network Simulation Macro Results Accuracy. *Advances in Intelligent and Soft Computing*, **2012**, 85-94		
2	IPv6 Transition Mechanisms and Deployment of IPv6 at Ss. Cyril and Methodius University in Skopje. *Advances in Intelligent Systems and Computing*, **2013**, 373-382	0.4	
1	De Bruijn-Based and k-Ary n-Cube-Based Algebraic Models in Fog Environments. *Communications in Computer and Information Science*, **2022**, 126-141	0.3	