Lefteris Mamatas

List of Publications by Year
in descending order

60 papers	**679** citations
759233 **12** h-index	888059 **17** g-index
63 all docs	**63** docs citations
63 times ranked	**619** citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring virtual networks with Lattice. , 2010, , .		62
2	Softwarization of Future Networks and Services -Programmable Enabled Networks as Next Generation Software Defined Networks. , 2013, , .		35
3	Intrusion detection systems for RPL security: A comparative analysis. Computers and Security, 2021, 104, 102219.	6.0	34
4	NECOS Project: Towards Lightweight Slicing of Cloud Federated Infrastructures. , 2018, , .		29
5	A service-aware virtualized software-defined infrastructure. , 2015, 53, 166-174.		25
6	CORAL-SDN: A software-defined networking solution for the Internet of Things. , 2017, , .		25
7	SD-MIoT: A Software-Defined Networking Solution for Mobile Internet of Things. IEEE Internet of Things Journal, 2021, 8, 4604-4617.	8.7	23
8	On the Selection of Management/Monitoring Nodes in Highly Dynamic Networks. IEEE Transactions on Computers, 2013, 62, 1207-1220.	3.4	22
9	On Demand Connectivity Sharing: Queuing management and load balancing for User-Provided Networks. Computer Networks, 2011, 55, 399-414.	5.1	21
10	Differentiating Services with Noncongestive Queuing (NCQ). IEEE Transactions on Computers, 2009, 58, 591-604.	3.4	20
11	A Multi-Protocol Software-Defined Networking Solution for the Internet of Things. IEEE Communications Magazine, 2019, 57, 42-48.	6.1	19
12	A Versatile Out-of-Band Software-Defined Networking Solution for the Internet of Things. IEEE Access, 2020, 8, 103710-103733.	4.2	18
13	Incentives and algorithms for broadband access sharing. , 2010, , .		17
14	Software defined topology control strategies for the Internet of Things. , 2017, , .		16
15	The NECOS Approach to End-to-End Cloud-Network Slicing as a Service. IEEE Communications Magazine, 2021, 59, 91-97.	6.1	16
16	Information Exchange Management as a Service for Network Function Virtualization Environments. IEEE Transactions on Network and Service Management, 2016, 13, 564-577.	4.9	15
17	Software-Defined Reconfigurable Intelligent Surfaces: From Theory to End-to-End Implementation. Proceedings of the IEEE, 2022, 110, 1466-1493.	21.3	15
18	Slicing and Allocation of Transformable Resources for the Deployment of Multiple Virtualized Infrastructure Managers (VIMs). , 2018, , .		14

#	Article	IF	Citations
19	Self-organising Management Overlays for Future Internet Services. Lecture Notes in Computer Science, 2008, , 74-89.	1.3	14
20	Real-Time Video Content Popularity Detection Based on Mean Change Point Analysis. IEEE Access, 2019, 7, 142246-142260.	4.2	13
21	A Marketplace-based Approach to Cloud Network Slice Composition Across Multiple Domains. , 2019, , .		13
22	Platforms and Software Systems for an Autonomic Internet. , 2010, , .		12
23	Evolutionary Software Defined Networking-Inspired Routing Control Strategies for the Internet of Things. IEEE Access, 2019, 7, 132173-132192.	4.2	12
24	Denial of Service Attacks Detection in Software-Defined Wireless Sensor Networks. , 2020, , .		12
25	A Softwarized Intrusion Detection System for the RPL-based Internet of Things networks. Future Generation Computer Systems, 2021, 125, 698-714.	7.5	12
26	Towards an Information Management Overlay for emerging networks. , 2010, , .		11
27	Efficient management solutions for software-defined infrastructures. , 2016, , .		10
28	Routing under Heterogeneity and Mobility for the Internet of Things: A Centralized Control Approach. , 2018, , .		10
29	Multi-PoP Network Slice Deployment: A Feasibility Study. , 2019, , .		9
30	CA-RTO: a contention-adaptive retransmission timeout. , 0, , .		8
31	Transport Protocol Behavior and Energy-Saving Potential. Local Computer Networks (LCN), Proceedings of the IEEE Conference on, 2006, , .	0.0	8
32	A delayâ€oriented prioritization policy based on nonâ€congestive queuing. International Journal of Communication Systems, 2011, 24, 1065-1086.	2.5	8
33	Experimenting with control operations in software-defined infrastructures. , 2016, , .		7
34	A flexible information service for management of virtualized softwareâ€defined infrastructures. International Journal of Network Management, 2016, 26, 396-418.	2.2	7
35	Real-Time Algorithms for the Detection of Changes in the Variance of Video Content Popularity. IEEE Access, 2020, 8, 30445-30457.	4.2	7
36	Software Enabled Future Internet â€" Challenges in Orchestrating the Future Internet. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 228-244.	0.3	7

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37	A Comparative Evaluation of Edge Cloud Virtualization Technologies. IEEE Transactions on Network and Service Management, 2022, 19, 1351-1365.	4.9	7
38	Early Video Content Popularity Detection with Change Point Analysis. , 2018, , .		6
39	Protocol behavior: more effort, more gains?. , 0, , .		5
40	Less Impact Better Service (LIBS). Annales Des Telecommunications/Annals of Telecommunications, 2010, 65, 447-459.	2.5	5
41	Demo abstract: An experimentation facility enabling flexible network control for the Internet of Things. , 2017, , .		5
42	A receiver-centric rate control scheme for layered video streams in the Internet. Journal of Systems and Software, 2008, 81, 2396-2412.	4.5	4
43	Energy-efficiency analysis under QoS constraints using formal methods: A study on EPONs. , 2017, , .		4
44	Towards A Marketplace for Multi-domain Cloud Network Slicing: Use Cases. , 2019, , .		4
45	Towards autonomic management of software enabled networks. , 2013, , .		3
46	A Multi-domain Experimentation Environment for 5G Media Verticals. , 2019, , .		3
47	Pairing-Based Cryptography on the Internet of Things: A Feasibility Study. Lecture Notes in Computer Science, 2018, , 219-230.	1.3	3
48	Opportunistic forwarding for user-provided networks. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 717-741.	1.0	2
49	Personalized Travel Itineraries with Multi-Access Edge Computing Touristic Services. , 2019, , .		2
50	Conflict-Aware Multi-Numerology Radio Resource Allocation for Heterogeneous Services. , 2021, , .		2
51	Exploiting Communication Opportunities in Disrupted Network Environments. Lecture Notes in Computer Science, 2015, , 180-193.	1.3	2
52	An experimentation environment for SDN-based autonomous vehicles in smart cities. , 2021, , .		2
53	Effort/gains dynamics in heterogeneous networks. International Journal of Communication Systems, 2008, 21, 361-382.	2.5	1
54	A study of deploying smoothâ€•and responsiveâ€•TCPs with different queue management schemes. International Journal of Communication Systems, 2009, 22, 513-530.	2.5	1

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55	Energy-efficiency enablers and operations in software-defined environments. , 2016, , .		1
56	The Interaction Between Window Adjustment Strategies and Queue Management Schemes. Lecture Notes in Computer Science, 2005, , 65-74.	1.3	0
57	On protocol engineering: detect, confirm and adjust. International Journal of Internet Protocol Technology, 2006, 1, 236.	0.2	0
58	Analysis of Methods for Controlling QOS Agreements Among IP Mobile Networks. , 2007, , .		0
59	Towards an Opportunistic Software-Defined Networking Solution *. , 2019, , 49-76.		0
60	Scheduling of Heterogeneous Services by Resolving Conflicts. IEEE Access, 2022, 10, 36576-36591.	4.2	0