

# George Pavlou

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,412  
citations

840776

11  
h-index

839539

18  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic in-network caching for information-centric networks. , 2012, , .		451
2	Cache â€œless for moreâ€•in information-centric networks (extended version). Computer Communications, 2013, 36, 758-770.	5.1	230
3	Icarus: a Caching Simulator for Information Centric Networking (ICN). , 2014, , .		92
4	Cost-Efficient NFV-Enabled Mobile Edge-Cloud for Low Latency Mobile Applications. IEEE Transactions on Network and Service Management, 2018, 15, 475-488.	4.9	84
5	Curling: Content-ubiquitous resolution and delivery infrastructure for next-generation services. , 2011, 49, 112-120.		72
6	On Uncoordinated Service Placement in Edge-Clouds. , 2017, , .		48
7	Name-based replication priorities in disaster cases. , 2014, , .		34
8	Policy conflict analysis for diffserv quality of service management. IEEE Transactions on Network and Service Management, 2009, 6, 15-30.	4.9	30
9	Resource Provisioning and Allocation in Function-as-a-Service Edge-Clouds. IEEE Transactions on Services Computing, 2022, 15, 2410-2424.	4.6	30
10	On the Selection of Management/Monitoring Nodes in Highly Dynamic Networks. IEEE Transactions on Computers, 2013, 62, 1207-1220.	3.4	22
11	Flexible Traffic Splitting in OpenFlow Networks. IEEE Transactions on Network and Service Management, 2016, 13, 407-420.	4.9	21
12	Edge-MAP: Auction Markets for Edge Resource Provisioning. , 2018, , .		21
13	Self-Adaptive Decentralized Monitoring in Software-Defined Networks. IEEE Transactions on Network and Service Management, 2018, 15, 1277-1291.	4.9	19
14	FogSpot: Spot Pricing for Application Provisioning in Edge/Fog Computing. IEEE Transactions on Services Computing, 2021, 14, 1781-1795.	4.6	19
15	More control over network resources: An ISP caching perspective. , 2013, , .		18
16	Understanding sharded caching systems. , 2016, , .		18
17	Opportunistic off-path content discovery in information-centric networks. , 2016, , .		18
18	Scalable Cache Management for ISP-Operated Content Delivery Services. IEEE Journal on Selected Areas in Communications, 2016, 34, 2063-2076.	14.0	18

#	ARTICLE	IF	CITATIONS
19	Algorithms for Fault-Tolerant Placement of Stateful Virtualized Network Functions. , 2018, , .		18
20	Path-Based Epidemic Spreading in Networks. IEEE/ACM Transactions on Networking, 2017, 25, 565-578.	3.8	16
21	Resilience of interdependent communication and power distribution networks against cascading failures. , 2016, , .		15
22	Internet-scale content mediation in information-centric networks. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 167-177.	2.5	14
23	AMPLE: an adaptive traffic engineering system based on virtual routing topologies. , 2012, 50, 185-191.		11
24	Proactive multi-tenant cache management for virtualized ISP networks. , 2014, , .		10
25	Enhancing Information Resilience in Disruptive Information-Centric Networks. IEEE Transactions on Network and Service Management, 2018, 15, 746-760.	4.9	10
26	Revisiting Resource Pooling. , 2014, , .		7
27	SigMA: Signaling Framework for Decentralized Network Management Applications. IEEE Transactions on Network and Service Management, 2017, 14, 616-630.	4.9	7
28	Information-centric networking [Guest editorial]. , 2012, 50, 22-25.		6
29	A hybrid management substrate structure for adaptive network resource management. , 2014, , .		6
30	Decentralized monitoring for large-scale Software-Defined Networks. , 2017, , .		6
31	Joint optimization of intra- and inter-autonomous system traffic engineering. IEEE Transactions on Network and Service Management, 2009, 6, 64-79.	4.9	5
32	Tube streaming: Modelling collaborative media streaming in urban railway networks. , 2016, , .		5
33	Extensible signaling framework for decentralized network management applications. , 2016, , .		5
34	A longitudinal analysis of Internet rate limitations. , 2014, , .		4
35	Towards multi-tenant cache management for ISP networks. , 2014, , .		4
36	A Congestion Control Framework Based on In-Network Resource Pooling. IEEE/ACM Transactions on Networking, 2022, 30, 683-697.	3.8	4

#	ARTICLE	IF	CITATIONS
37	On-path Cloudlet Pricing for Low Latency Application Provisioning. , 2018, , .		3
38	Load Imbalance and Caching Performance of Sharded Systems. IEEE/ACM Transactions on Networking, 2020, 28, 112-125.	3.8	3
39	Federation of Future Internet Networks. , 2010, , .		2
40	Adaptive post-failure load balancing in fast reroute enabled IP networks. , 2011, , .		2
41	Topics in network and service management [Guest Editorial]. , 2008, 46, 138-139.		1
42	A Closed-Loop Control Traffic Engineering System for the Dynamic Load Balancing of Inter-AS Traffic. Journal of Network and Systems Management, 2009, 17, 343-370.	4.9	1
43	Adaptive traffic monitoring for software dataplanes. , 2017, , .		1
44	Framework and Algorithms for Operator-Managed Content Caching. IEEE Transactions on Network and Service Management, 2020, 17, 562-576.	4.9	1
45	Topics in Network and Service Management [Guest Editorial]. , 2008, 46, 136-137.		0
46	Network and service management [Series Editorial]. , 2014, 52, 106-107.		0
47	Network and service management [Series Editorial]. , 2015, 53, 276-277.		0
48	CacheMAST: Cache Management Analysis and Visualization Tool. , 2017, , .		0
49	DEEM: Enabling Microservices via DEvice Edge Markets. , 2019, , .		0