Oznur Ozkasap

List of Publications by Year
in descending order

122
papers	2,337
citations	394286
19
h-index	265120
42
g-index
126
all docs	126
docs citations	126
times ranked	2067
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimodal multicast. ACM Transactions on Computer Systems, 1999, 17, 41-88.	0.6	478
2	Multihop-Cluster-Based IEEE 802.11p and LTE Hybrid Architecture for VANET Safety Message Dissemination. IEEE Transactions on Vehicular Technology, 2016, 65, 2621-2636.	3.9	389
3	Vehicle Mobility and Communication Channel Models for Realistic and Efficient Highway VANET Simulation. IEEE Transactions on Vehicular Technology, 2015, 64, 248-262.	3.9	141
4	Research issues for privacy and security of electronic health services. Future Generation Computer Systems, 2017, 68, 1-13.	4.9	110
5	IEEE 802.11p and Visible Light Hybrid Communication Based Secure Autonomous Platoon. IEEE Transactions on Vehicular Technology, 2018, 67, 8667-8681.	3.9	90
6	VMaSC: Vehicular multi-hop algorithm for stable clustering in Vehicular Ad Hoc Networks. , 2013, , .		67
7	A survey of energy efficiency in SDN: Software-based methods and optimization models. Journal of Network and Computer Applications, 2019, 137, 127-143.	5.8	54
8	Cyberphysical Blockchain-Enabled Peer-to-Peer Energy Trading. Computer, 2020, 53, 56-65.	1.2	52
9	SynergyChain: Blockchain-Assisted Adaptive Cyber-Physical P2P Energy Trading. IEEE Transactions on Industrial Informatics, 2021, 17, 5769-5778.	7.2	51
10	Embedded web server-based home appliance networks. Journal of Network and Computer Applications, 2007, 30, 499-514.	5.8	40
11	FederatedGrids: Federated Learning and Blockchain-Assisted P2P Energy Sharing. IEEE Transactions on Green Communications and Networking, 2022, 6, 424-436.	3.5	34
12	Security vulnerabilities of IEEE 802.11p and visible light communication based platoon. , 2016, , .		32
13	EdgeKV: Decentralized, scalable, and consistent storage for the edge. Journal of Parallel and Distributed Computing, 2020, 144, 28-40.	2.7	32
14	RESDN: A Novel Metric and Method for Energy Efficient Routing in Software Defined Networks. IEEE Transactions on Network and Service Management, 2020, 17, 736-749.	3.2	31
15	VANET topology characteristics under realistic mobility and channel models. , 2013, , .		30
16	A Survey on Energy Efficiency in P2P Systems. ACM Computing Surveys, 2016, 48, 1-37.	16.1	28
17	LightChain: Scalable DHT-Based Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2582-2593.	4.0	27
18	Peer-to-peer multipoint video conferencing with layered video. Journal of Network and Computer Applications, 2011, 34, 137-150.	5.8	26

#	Article	IF	Citations
19	Peer-to-peer multipoint videoconferencing on the Internet. Signal Processing: Image Communication, 2005, 20, 743-754.	1.8	25
20	Decentralized and locality aware replication method for DHT-based P2P storage systems. Future Generation Computer Systems, 2018, 84, 32-46.	4.9	23
21	Epidemic-based reliable and adaptive multicast for mobile ad hoc networks. Computer Networks, 2009, 53, 1409-1430.	3.2	22
22	FlexDPDP. ACM Transactions on Storage, 2016, 12, 1-44.	1.4	21
23	Decentralized Utility- and Locality-Aware Replication for Heterogeneous DHT-Based P2P Cloud Storage Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1183-1193.	4.0	21
24	Efficient Buffering in Reliable Multicast Protocols. Lecture Notes in Computer Science, 1999, , 188-203.	1.0	20
25	A Classification and Performance Comparison of Mobility Models for Ad Hoc Networks. Lecture Notes in Computer Science, 2006, , 444-457.	1.0	19
26	SCALAR: Scalable data lookup and replication protocol for mobile ad hoc networks. Computer Networks, 2013, 57, 3654-3672.	3.2	19
27	Security and Privacy of Distributed Online Social Networks. , 2015, , .		17
28	Data-driven abnormal behavior detection for autonomous platoon. , 2017, , .		17
29	Dual channel visible light communications for enhanced vehicular connectivity. , 2015, , .		16
30	Edge-Assisted Solutions for IoT-Based Connected Healthcare Systems: A Literature Review. IEEE Internet of Things Journal, 2022, 9, 9419-9443.	5.5	16
31	Locality Aware Skip Graph. , 2015, , .		14
32	SCALAR: Scalable Data Lookup and Replication Framework for Mobile Ad-hoc Networks. , 2008, , .		12
33	Flat and hierarchical epidemics in P2P systems: Energy cost models and analysis. Future Generation Computer Systems, 2014, 36, 257-266.	4.9	12
34	LARAS: Locality aware replication algorithm for the Skip Graph. , 2016, , .		12
35	Blockchain-assisted Decentralized Virtual Prosumer Grouping for P2P Energy Trading. , 2020, , .		12
36	Link utility and traffic aware energy saving in software defined networks. , 2017, , .		11

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37	Epidemic-based approaches for reliable multicast in mobile ad hoc networks. Operating Systems Review (ACM), 2006, 40, 73-79.	1.5	10
38	BitTorrent packet traffic features over IPv6 and IPv4. Simulation Modelling Practice and Theory, 2010, 18, 1214-1224.	2.2	10
39	Analysis of distributed algorithms for density estimation in VANETs (Poster). , 2012, , .		10
40	SecVLC. , 2016, , .		10
41	Awake: Decentralized and Availability Aware Replication for P2P Cloud Storage. , 2016, , .		10
42	Principles and performance analysis of SeCond: A system for epidemic peer-to-peer content distribution. Journal of Network and Computer Applications, 2009, 32, 666-683.	5.8	9
43	An analytical framework for self-organizing peer-to-peer anti-entropy algorithms. Performance Evaluation, 2010, 67, 141-159.	0.9	9
44	Task allocation in volunteer computing networks under monetary budget constraints. Peer-to-Peer Networking and Applications, 2015, 8, 938-951.	2.6	9
45	Dimming support for visible light communication in intelligent transportation and traffic system. , 2016, , .		9
46	DRAW: Data Replication for Enhanced Data Availability in IoT-based Sensor Systems. , 2018, , .		9
47	Framework for Traffic Proportional Energy Efficiency in Software Defined Networks. , 2018, , .		9
48	SynergyGrids: blockchain-supported distributed microgrid energy trading. Peer-to-Peer Networking and Applications, 2022, 15, 884-900.	2.6	9
49	ProFID: Practical frequent items discovery in peer-to-peer networks. Future Generation Computer Systems, 2013, 29, 1544-1560.	4.9	8
50	VeSCA: Vehicular stable cluster-based data aggregation. , 2014, , .		8
51	MER-SDN: Machine Learning Framework for Traffic Aware Energy Efficient Routing in SDN. , 2018, , .		8
52	A containerized proof-of-concept implementation of LightChain system. , 2020, , .		8
53	Dynamic QoS/QoE-aware reliable service composition framework for edge intelligence. Cluster Computing, 2022, 25, 1695-1713.	3.5	8
54	A Chain-Binomial Model for Pull and Push-Based Information Diffusion. , 2006, , .		7

#	Article	IF	Citations
55	Applicability of eigenvector centrality principle to data replication in MANETs. , 2007, , .		7
56	Interlaced: Fully decentralized churn stabilization for Skip Graph-based DHTs. Journal of Parallel and Distributed Computing, 2021, 149, 13-28.	2.7	7
57	Analysis and Optimization on FlexDPDP: A Practical Solution for Dynamic Provable Data Possession. Lecture Notes in Computer Science, 2015, , 65-83.	1.0	7
58	Peer-to-Peer Multipoint Video Conferencing using Layered Video. , 2006, , .		6
59	EraMobile: Epidemic-Based Reliable and Adaptive Multicast for MANETs. , 2007, , .		6
60	Stepwise Fair-Share Buffering underneath Bio-inspired P2P Data Dissemination. , 2007, , .		6
61	Stepwise fair-share buffering for gossip-based peer-to-peer data dissemination. Computer Networks, 2009, 53, 2259-2274.	3.2	6
62	ELATS: Energy and locality aware aggregation tree for skip graph. , 2017, , .		5
63	Guard: Secure routing in skip graph. , 2017, , .		5
64	Efficient checkpointing mechanisms for primary€backup replication on the cloud. Concurrency Computation Practice and Experience, 2018, 30, e4707.	1.4	5
65	SCALAR data replication performance in mobile ad hoc applications. , 2009, , .		4
66	Visible light communication in vehicular ad-hoc networks. , 2016, , .		4
67	Compressed incremental checkpointing for efficient replicated key-value stores. , 2017, , .		4
68	PPAD: Privacy Preserving Group-Based ADvertising in Online Social Networks. , 2018, , .		4
69	Energy Efficiency in SDDC: Considering Server and Network Utilities. , 2020, , .		4
70	Exact Performance Measures for Peer-to-Peer Epidemic Information Diffusion. Lecture Notes in Computer Science, 2006, , 866-876.	1.0	4
71	Throughput Stability of Reliable Multicast Protocols. Lecture Notes in Computer Science, 2000, , 159-169.	1.0	4
72	Traffic characterization of transport level reliable multicasting: Comparison of epidemic and feedback controlled loss recovery. Computer Networks, 2006, 50, 1193-1218.	3.2	3

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73	Analysis of checkpointing algorithms for primary-backup replication. , 2017, , .		3
74	Security vulnerabilities of autonomous platoons. , 2017, , .		3
75	Demo: Skip Graph Middleware Implementation. , 2020, , .		3
76	Energy Efficiency in Secure and Dynamic Cloud Storage. Lecture Notes in Computer Science, 2013, , 125-130.	1.0	3
77	ProFID: Practical Frequent Item Set Discovery in Peer-to-Peer Networks. Lecture Notes in Electrical Engineering, 2011, , 199-202.	0.3	3
78	Multi-objective optimization for peer-to-peer multipoint video conferencing using layered video. , 2007, , .		2
79	End-to-end epidemic multicast loss recovery: Analysis of scalability and robustness. Computer Communications, 2009, 32, 668-678.	3.1	2
80	Online Client Assignment in Dynamic Real-Time Distributed Interactive Applications. , 2013, , .		2
81	Price/cooling aware and delay sensitive scheduling in geographically distributed data centers. , 2016, , .		2
82	Efficient incremental checkpoint algorithm for primary-backup replication. , 2017, , .		2
83	Visible light communication assisted safety message dissemination in multiplatoon. , 2017, , .		2
84	State-of-the-Art Data Replication Techniques in IoT-Based Sensor Systems. , 2018, , .		2
85	SkipVis: A skip graph visualizer. , 2018, , .		2
86	Distributed landmark placement in P2P networks. , 2018, , .		2
87	Preventing DDoS attacks in Path Identifiers-Based Information Centric Networks. , 2020, , .		2
88	Energy Cost Model for Frequent Item Set Discovery in Unstructured P2P Networks. , 2011, , 117-123.		2
89	Demo: A Proof-of-Concept Implementation of Guard Secure Routing Protocol. , 2020, , .		2
90	Scalability and Robustness of Pull-Based Anti-entropy Distribution Model. Lecture Notes in Computer Science, 2003, , 934-941.	1.0	1

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91	Traffic behavior of scalable multicast: Self-similarity and protocol dependence. Teletraffic Science and Engineering, 2003, , 551-560.	0.4	1
92	Peer-to-peer multipoint videoconferencing. , 0, , .		1
93	Performance study of a probabilistic multicast transport protocol. Performance Evaluation, 2004, 57, 177-198.	0.9	1
94	Stepwise Probabilistic Buffering for Epidemic Information Dissemination. , 2006, , .		1
95	Stepwise probabilistic buffering for epidemic information dissemination. , 2006, , .		1
96	Second: A System for Epidemic Peer-to-Peer Content Distribution. , 0, , .		1
97	Seed-based Distributed Group Key Selection Algorithm for Ad Hoc Networks. , 2007, , .		1
98	Comparison of Bittorrent packet traffic characteristics over IPv6 and IPv4. , 2009, , .		1
99	Energy efficient video decoding on multi-core devices. , 2011, , .		1
100	Workload Management in Distributed Data Centers: Thermal and Spatial Awareness. , 2016, , .		1
101	m-RENDEZVOUS: Multi-Agent Asynchronous Rendezvous Search Technique. Future Generation Computer Systems, 2022, 126, 185-195.	4.9	1
102	Multicast Transport Protocol Analysis: Self-Similar Sources. Lecture Notes in Computer Science, 2004, , 1294-1299.	1.0	1
103	Distributed Document Sharing with Text Classification over Content-Addressable Network. Lecture Notes in Computer Science, 2004, , 70-81.	1.0	1
104	Large Scale Analysis of BitTorrent Proxy for Green Internet File Sharing. Lecture Notes in Computer Science, 2013, , 264-270.	1.0	1
105	Energy Efficiency in P2P Systems and Applications. , 0, , 263-286.		1
106	DHT-based Edge and Fog Computing Systems: Infrastructures and Applications. , 2022, , .		1
107	Transport Protocol Mechanisms for Wireless Networking: A Review and Comparative Simulation Study. Lecture Notes in Computer Science, 2003, , 852-859.	1.0	0
108	Message Buffering in Epidemic Data Dissemination. , 0, , .		0

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109	Scalability Analysis of Data Replication Mechanisms in MANET. , 2007, , .		0
110	Peer-to-peer Multipoint Conferencing using Layered Video: Multi-objective Optimization for Extra Requests. , 2007, , .		0
111	Topology dependent information dissemination in P2P networks for anti-entropy algorithms. , 2008, , .		0
112	Distributed key selection for group applications in ad hoc networks. , 2008, , .		0
113	Energy efficient hierarchical epidemics in peer-to-peer systems. , 2011, , .		0
114	Green Proxy-Based Approaches for BitTorrent. , 2014, , .		0
115	Environment Friendly Energy Efficient Distributed Data Centers. Lecture Notes in Electrical Engineering, 2016, , 69-79.	0.3	0
116	Secure chain replication. , 2017, , .		0
117	Data-driven anomaly detection in autonomous platoon. , 2018, , .		0
118	EdgeKV: Distributed Key-Value Store for the Network Edge. , 2020, , .		0
119	SkipSim: Scalable Skip Graph Simulator. , 2020, , .		0
120	Smart Contract-enabled LightChain Test Network. , 2021, , .		0
121	Exact probability distributions for peer-to-peer epidemic information diffusion. Performance Evaluation Review, 2006, 34, 6-8.	0.4	0
122	EpiDOL: Epidemic Density Adaptive Data Dissemination Exploiting Opposite Lane in VANETs. Lecture Notes in Computer Science, 2013, , 221-232.	1.0	0