Ibrahim Korpeoglu

List of Publications by Year
in descending order

51 papers	1,560 citations	516710 16 h-index	330143 37 g-index
53 all docs	53 docs citations	53 times ranked	1381 citing authors

#	Article	IF	Citations
1	Power efficient data gathering and aggregation in wireless sensor networks. SIGMOD Record, 2003, 32, 66-71.	1.2	496
2	A framework for use of wireless sensor networks in forest fire detection and monitoring. Computers, Environment and Urban Systems, 2012, 36, 614-625.	7.1	215
3	An adaptive, energy-aware and distributed fault-tolerant topology-control algorithm for heterogeneous wireless sensor networks. Ad Hoc Networks, 2016, 44, 104-117.	5.5	80
4	A Distributed Fault-Tolerant Topology Control Algorithm for Heterogeneous Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 914-923.	5.6	77
5	Free Riding in Peer-to-Peer Networks. IEEE Internet Computing, 2009, 13, 92-98.	3.3	76
6	A comparison of epidemic algorithms in wireless sensor networks. Computer Communications, 2006, 29, 2450-2457.	5.1	68
7	Sleep scheduling with expected common coverage in wireless sensor networks. Wireless Networks, 2011, 17, 19-40.	3.0	51
8	Counteracting free riding in Peer-to-Peer networks. Computer Networks, 2008, 52, 675-694.	5.1	48
9	DSSP: A Dynamic Sleep Scheduling Protocol for Prolonging the Lifetime of Wireless Sensor Networks. , 2007, , .		37
10	A Survey on Scheduling in IEEE 802.16 Mesh Mode. IEEE Communications Surveys and Tutorials, 2010, 12, 205-221.	39.4	37
11	Distributed <formula formulatype="inline"><tex Notation="TeX">k</tex><mathgraphic graphicformat="GIF" fileref="aksu-ieq1-2297918.gif"/></formula>-Core View Materialization and Maintenance for Large Dynamic Graphs. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2439-2452.	5.7	32
12	Fog-Based Data Distribution Service (F-DAD) for Internet of Things (IoT) applications. Future Generation Computer Systems, 2019, 93, 156-169.	7.5	30
13	A Wi-Fi Cluster Based Wireless Sensor Network Application and Deployment for Wildfire Detection. International Journal of Distributed Sensor Networks, 2014, 10, 651957.	2.2	27
14	Active node determination for correlated data gathering in wireless sensor networks. Computer Networks, 2013, 57, 1124-1138.	5.1	26
15	Peer-to-Peer Overlay in Mobile Ad-hoc Networks. , 2010, , 1045-1080.		22
16	PSAR: power-source-aware routing in ZigBee networks. Wireless Networks, 2012, 18, 635-651.	3.0	22
17	A peer-to-peer file search and download protocol for wireless ad-hoc networks. Computer Communications, 2009, 32, 41-50.	5.1	21
18	Controlled Sink Mobility Algorithms for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 167508.	2.2	17

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19	Reducing query overhead through route learning in unstructured peer-to-peer network. Journal of Network and Computer Applications, 2009, 32, 550-567.	9.1	16
20	60ÂGHz wireless data center networks: A survey. Computer Networks, 2021, 185, 107730.	5.1	16
21	A study of localization metrics: Evaluation of position errors in wireless sensor networks. Computer Networks, 2011, 55, 3562-3577.	5.1	15
22	Energy-efficient and fault-tolerant drone-BS placement in heterogeneous wireless sensor networks. Wireless Networks, 2021, 27, 825-838.	3.0	14
23	A Distributed and Dynamic Data Gathering Protocol for Sensor Networks. International Conference on Advanced Networking and Applications, 2007, , .	0.0	13
24	Distributed power-source-aware routing in wireless sensor networks. Wireless Networks, 2016, 22, 1381-1399.	3.0	12
25	A connection management protocol for promoting cooperation in Peer-to-Peer networks. Computer Communications, 2008, 31, 240-256.	5.1	11
26	Distributed Construction and Maintenance of Bandwidth and Energy Efficient Bluetooth Scatternets. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 963-974.	5.6	10
27	Supporting QoS traffic at the network layer in multi-hop wireless mobile networks. , 2011, , .		8
28	OLSR-Aware Distributed Channel Access Scheduling for Wireless Mesh Networks. , 2009, , .		7
29	Energy Efficient IP-Connectivity with IEEE 802.11 for Home M2M Networks. Computer Journal, 2017, 60, 883-897.	2.4	6
30	Generic resource allocation metrics and methods for heterogeneous cloud infrastructures. Journal of Network and Computer Applications, 2019, 146, 102413.	9.1	6
31	PETAL: A fully distributed location service for wireless ad hoc networks. Journal of Network and Computer Applications, 2017, 83, 1-11.	9.1	5
32	OLSR-aware channel access scheduling in wireless mesh networks. Journal of Parallel and Distributed Computing, 2011, 71, 1225-1235.	4.1	4
33	Multi-resolution Social Network Community Identification and Maintenance on Big Data Platform. , 2013, , .		4
34	Distributed joint flow-radio and channel assignment using partially overlapping channels in multi-radio wireless mesh networks. Wireless Networks, 2016, 22, 83-104.	3.0	4
35	Traffic- and energy-load-based sink mobility algorithms for wireless sensor networks. International Journal of Sensor Networks, 2017, 23, 211.	0.4	4
36	A path-quality-aware peer-to-peer file sharing protocol for mobile ad-hoc networks: Wi-share. , 2009, , .		3

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37	Distributed and Location-Based Multicast Routing Algorithms for Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2009, .	2.4	3
38	Utilization-Based Dynamic Scheduling Algorithm for Wireless Mesh Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	3
39	A novel measurement-based approach for modeling and computing interference factors for wireless channels. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	3
40	Tree‐based channel assignment schemes for multi‐channel wireless sensor networks. Wireless Communications and Mobile Computing, 2016, 16, 1694-1712.	1.2	3
41	Power-source-aware backbone routing in wireless sensor networks. , 2010, , .		1
42	Effects of physical channel separation on application flows in a multi-radio multi-hop wireless mesh network: An experimental study on BilMesh testbed. Journal of Network and Computer Applications, 2014, 39, 253-265.	9.1	1
43	Graph Aware Caching Policy for Distributed Graph Stores. , 2015, , .		1
44	Reducing Router-Crossings in a Mobile Intranet. Journal of Network and Systems Management, 1998, 6, 15-30.	4.9	0
45	Energy Efficient Routing. , 2007, , 167-188.		0
46	Pocketdrive: A system for mobile control of desktop PC and its applications using PDAs. , 2007, , .		0
47	Rule-based in-network processing in wireless sensor networks. , 2009, , .		0
48	Efficient community identification and maintenance at multiple resolutions on distributed datastores. Data and Knowledge Engineering, 2015, 100, 133-147.	3.4	0
49	Rule-based inference and decomposition for distributed in-network processing in wireless sensor networks. Knowledge and Information Systems, 2017, 50, 231-264.	3.2	0
50	Fly-path: Traffic-based multi-hop routing approach for hybrid wireless data centers. Computer Communications, 2021, 170, 95-108.	5.1	0
51	Bluetooth or 802.15.4 Technologies to Optimise Lifetime of Wireless Sensor Networks: Numerical Comparison Under a Common Framework. , 2008, , .		0