

Chien-Fu Cheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1962767/publications.pdf>

Version: 2024-02-01

44
papers

458
citations

840776

11
h-index

752698

20
g-index

44
all docs

44
docs citations

44
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	The Deterministic Sensor Deployment Problem for Barrier Coverage in WSNs With Irregular Shape Areas. IEEE Sensors Journal, 2022, 22, 2899-2911.	4.7	7
2	A consensus protocol for unmanned aerial vehicle networks in the presence of Byzantine faults. Computers and Electrical Engineering, 2022, 99, 107774.	4.8	11
3	The Carrier-Based Sensor Deployment in Linear IWSNs With Return/Non-Return Branches. IEEE Sensors Journal, 2022, 22, 6175-6186.	4.7	4
4	Reaching Consensus with Byzantine Faulty Controllers in Software-Defined Networks. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	1.2	4
5	Fault-Tolerance Mechanisms for Software-Defined Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3859-3868.	8.0	18
6	Incrementally updating the high average-utility patterns with pre-large concept. Applied Intelligence, 2020, 50, 3788-3807.	5.3	23
7	A Carrier-Based Sensor Deployment Algorithm for Perception Layer in the IoT Architecture. IEEE Sensors Journal, 2020, 20, 10295-10305.	4.7	17
8	Incrementally Updating the Discovered High Average-Utility Patterns With the Pre-Large Concept. IEEE Access, 2020, 8, 66788-66798.	4.2	15
9	A Flexible Consensus Protocol for Distributed Systems. IEEE Access, 2019, 7, 90453-90464.	4.2	1
10	The harmonized consensus protocol in distributed systems. Journal of Supercomputing, 2019, 75, 7690-7722.	3.6	2
11	A Fault-Tolerant Consensus Protocol for Software-Defined Networks. , 2019, , .		0
12	The Target-Barrier Coverage Problem in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2018, 17, 1216-1232.	5.8	41
13	The Energy Replenishment Problem in Mobile WRSNs. , 2018, , .		3
14	Mobile Data Gathering With Bounded Relay in Wireless Sensor Networks. IEEE Internet of Things Journal, 2018, 5, 3891-3907.	8.7	14
15	The Barrier-Breach Problem of Barrier Coverage in Wireless Sensor Networks. IEEE Communications Letters, 2017, 21, 2262-2265.	4.1	8
16	Trail-based routing algorithms for WSNs with uncontrolled sink mobility. Computer Communications, 2017, 106, 57-74.	5.1	4
17	Data Gathering With Minimum Number of Relay Packets in Wireless Sensor Networks. IEEE Sensors Journal, 2017, 17, 7196-7208.	4.7	10
18	The robot-assisted sensor deployment problem in Wireless Sensor Networks. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	InstantGaming: Playing somatosensory games using smartwatches and portable devices. , 2017, , .		3
20	Data gathering problem with the data importance consideration in Underwater Wireless Sensor Networks. Journal of Network and Computer Applications, 2017, 78, 300-312.	9.1	57
21	Encircled Belt-Barrier Coverage in Wireless Visual Sensor Networks. Pervasive and Mobile Computing, 2017, 38, 233-256.	3.3	10
22	A Hole-Bypassing Routing Algorithm for WANETs. , 2017, , .		2
23	Data Gathering in Wireless Sensor Networks with Uncontrolled Sink Mobility. , 2016, , .		3
24	Data Gathering in Wireless Sensor Networks: A Combineâ€TSPâ€Reduce Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 2309-2324.	6.3	58
25	An Energy-Balanced and Timely Self-Relocation Algorithm for Grid-Based Mobile WSNs. IEEE Sensors Journal, 2015, 15, 4184-4193.	4.7	12
26	A Malicious-Resilient Protocol for Consistent Scheduling Problem in the Cloud Computing Environment. Computer Journal, 2015, 58, 315-330.	2.4	2
27	Barrier coverage in Wireless Visual Sensor Networks with importance of image consideration. , 2015, , .		2
28	The k -Set consensus problem with weight consideration. Journal of Supercomputing, 2015, 71, 144-161.	3.6	2
29	Mobile sensor relocation problem: Finding the optimal (nearest) redundant sensor with low message overhead. Computer Networks, 2015, 91, 407-424.	5.1	2
30	A new direction for solving the consensus problem in networked systems. , 2015, , .		0
31	A recursive Byzantine-resilient protocol. Journal of Network and Computer Applications, 2015, 48, 87-98.	9.1	4
32	A density-barrier construction algorithm with minimum total movement in mobile WSNs. Computer Networks, 2014, 62, 208-220.	5.1	24
33	Obtaining consistent good/bad plan set in the presence of faults. , 2013, , .		1
34	Convergecast in ZigBee tree-based wireless sensor networks. , 2013, , .		7
35	Belt-barrier construction algorithm for WWSNs. , 2012, , .		1
36	From immediate agreement to eventual agreement: early stopping agreement protocol for dynamic networks with malicious faulty processors. Journal of Supercomputing, 2012, 62, 874-894.	3.6	4

#	ARTICLE	IF	CITATIONS
37	Distributed Barrier Coverage in Wireless Visual Sensor Networks With ϵ -QoM. IEEE Sensors Journal, 2012, 12, 1726-1735.	4.7	49
38	Eventual strong consensus with fault detection in the presence of dual failure mode on processors under dynamic networks. Journal of Network and Computer Applications, 2012, 35, 1260-1276.	9.1	10
39	Energy-balanced hole-movement mechanism for temporal full-coverage in mobile WSNs. , 2010, , .		4
40	The anatomy study of server-initial agreement for general hierarchy wired/wireless networks. Computer Standards and Interfaces, 2009, 31, 219-226.	5.4	3
41	Server-Initiated Byzantine Agreement over Two-Level Combined Wired/Wireless Networks. , 2006, , .		0
42	Multi-agent schema of Mobile IP protocol for mobile environment. Operating Systems Review (ACM), 2005, 39, 46-65.	1.9	1
43	Efficient multicasting agreement protocol. Computer Standards and Interfaces, 2004, 26, 93-111.	5.4	6
44	Asynchronous consensus protocol for the unreliable un-fully connected network. Operating Systems Review (ACM), 2003, 37, 43-54.	1.9	7