

Jang-Ping Sheu

List of Publications by Year in descending order

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81
papers

2,251
citations

304602

22
h-index

254106

43
g-index

81
all docs

81
docs citations

81
times ranked

1462
citing authors

#	ARTICLE	IF	CITATIONS
1	UAV Trajectory Optimization for Joint Relay Communication and Image Surveillance. IEEE Transactions on Wireless Communications, 2022, 21, 10177-10192.	6.1	6
2	UAV Deployment and IoT Device Association for Energy-Efficient Data-Gathering in Fixed-Wing Multi-UAV Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1934-1946.	3.5	12
3	On the Theoretical Gap of Channel Hopping Sequences With Maximum Rendezvous Diversity in the Multichannel Rendezvous Problem. IEEE/ACM Transactions on Networking, 2021, 29, 1620-1633.	2.6	17
4	Power-Efficient Trajectory Adjustment and Temporal Routing for Multi-UAV Networks. IEEE Transactions on Green Communications and Networking, 2020, 4, 1106-1119.	3.5	11
5	Coloring-Based Channel Allocation for Multiple Coexisting Wireless Body Area Networks: A Game-Theoretic Approach. IEEE Transactions on Mobile Computing, 2020, , 1-1.	3.9	10
6	Ultra-Low-Latency Distributed Deep Neural Network over Hierarchical Mobile Networks. , 2019, , .		1
7	Spectrum Allocation With Guaranteed Rendezvous in Asynchronous Cognitive Radio Networks for Internet of Things. IEEE Internet of Things Journal, 2019, 6, 6104-6116.	5.5	18
8	Dynamic Spectrum Allocation Algorithms for Industrial Cognitive Radio Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 3031-3043.	7.2	22
9	Efficient TCAM Rules Distribution Algorithms in Software-Defined Networking. IEEE Transactions on Network and Service Management, 2018, 15, 854-865.	3.2	22
10	A Multi-Radio Rendezvous Algorithm Based on Chinese Remainder Theorem in Heterogeneous Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2018, 17, 1980-1990.	3.9	17
11	A Fast Multi-Radio Rendezvous Algorithm in Heterogeneous Cognitive Radio Networks. , 2018, , .		6
12	An Enhanced Fast Multi-Radio Rendezvous Algorithm in Heterogeneous Cognitive Radio Networks. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 847-859.	4.9	17
13	Design and analysis of collision free MAC for wireless sensor networks with or without data retransmission. Journal of Network and Computer Applications, 2017, 80, 10-21.	5.8	17
14	Wildcard-rule caching and cache replacement algorithms in Software-Defined Networking. , 2017, , .		2
15	A scalable and bandwidth-efficient multicast algorithm based on segment routing in software-defined networking. , 2017, , .		23
16	Probabilistic k-weighted coverage placement in wireless sensor networks. , 2017, , .		2
17	A Game Theory Based Congestion Control Protocol for Wireless Personal Area Networks. Journal of Sensors, 2016, 2016, 1-13.	0.6	15
18	An efficient routing algorithm based on segment routing in software-defined networking. Computer Networks, 2016, 103, 44-55.	3.2	68

#	ARTICLE	IF	CITATIONS
19	Efficient unicast routing algorithms in Software-Defined Networking. , 2016, , .		7
20	Wildcard Rules Caching and Cache Replacement Algorithms in Software-Defined Networking. IEEE Transactions on Network and Service Management, 2016, 13, 19-29.	3.2	52
21	Asynchronous Quorum-Based Blind Rendezvous Schemes for Cognitive Radio Networks. IEEE Transactions on Communications, 2016, 64, 918-930.	4.9	34
22	Efficient multicast algorithms for scalable video coding in software-defined networking. , 2015, , .		14
23	A Game Theory Based Congestion Control Protocol for Wireless Personal Area Networks. , 2015, , .		13
24	Message from the general co-chairs IEEE ICPADS 2014. , 2014, , .		0
25	Interference-aware channel allocation algorithm with game theoretic approach for cognitive radio networks. , 2014, , .		6
26	A Comment on "Short Channel Hopping Sequence Approach to Rendezvous for Cognitive Networks" IEEE Communications Letters, 2014, 18, 1631-1632.	2.5	7
27	Novel Channel-Hopping Schemes for Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2014, 13, 407-421.	3.9	84
28	Unilateral Wakeup for Mobile Ad Hoc Networks with Group Mobility. IEEE Transactions on Mobile Computing, 2013, 12, 2507-2517.	3.9	5
29	Efficient bandwidth allocation scheme for wireless networks using relay stations. , 2013, , .		0
30	A cooperative MAC protocol based on 802.11 in wireless Ad hoc networks. , 2013, , .		4
31	An approximation downlink bandwidth allocation scheme for IEEE 802.16 OFDMA system. , 2013, , .		0
32	A Resource Allocation Scheme for Scalable Video Multicast in WiMAX Relay Networks. IEEE Transactions on Mobile Computing, 2013, 12, 90-104.	3.9	27
33	An Efficient Transmission Protocol Based on Network Coding in Delay Tolerant Networks. , 2013, , .		2
34	Cooperative routing protocol in cognitive radio ad-hoc networks. , 2012, , .		16
35	A registration system for aiding in localization and routing in hybrid VANETs. , 2012, , .		5
36	Load-Balanced Trees for Data Collection in Wireless Sensor Networks. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
37	Unilateral Wakeup for Mobile Ad Hoc Networks. , 2011, , .		2
38	A Distributed Routing Protocol and Handover Schemes in Hybrid Vehicular Ad Hoc Networks. , 2011, , .		13
39	A distributed Wireless Sensor Network testbed with energy consumption estimation. International Journal of Ad Hoc and Ubiquitous Computing, 2010, 6, 63.	0.3	11
40	Scalable continuous object detection and tracking in sensor networks. Journal of Parallel and Distributed Computing, 2010, 70, 212-224.	2.7	54
41	Efficient path planning and data gathering protocols for the wireless sensor network. Computer Communications, 2010, 33, 398-408.	3.1	25
42	Cache-Based Routing for Vehicular Ad Hoc Networks in City Environments. , 2010, , .		9
43	Zooming: A Zoom-Based Approach for Parking Space Availability in VANET. , 2010, , .		6
44	A Distributed Taxi Hailing Protocol in Vehicular Ad-Hoc Networks. , 2010, , .		11
45	Performance Evaluation of MAC Mechanisms in Wireless Sensor Networks. , 2010, , 43-67.		1
46	Obstacle-Resist Routing Protocols for Wireless Sensor Networks. , 2010, , 117-139.		0
47	Virtual landmarks assisted routing protocol in Vehicular Ad hoc Networks. , 2009, , .		1
48	An Energy Conservation MAC Protocol in Wireless Sensor Networks. Wireless Personal Communications, 2009, 48, 261-276.	1.8	17
49	Routing with hexagonal virtual coordinates in wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 1206-1219.	0.8	3
50	Hole detection and boundary recognition in wireless sensor networks. , 2009, , .		8
51	Ratio-based time synchronization protocol in wireless sensor networks. Telecommunication Systems, 2008, 39, 25-35.	1.6	20
52	Location-free topology control protocol in wireless ad hoc networks. Computer Communications, 2008, 31, 3410-3419.	3.1	16
53	WSNTB: A testbed for heterogeneous wireless sensor networks. , 2008, , .		22
54	A Distributed Localization Scheme for Wireless Sensor Networks with Improved Grid-Scan and Vector-Based Refinement. IEEE Transactions on Mobile Computing, 2008, 7, 1110-1123.	3.9	131

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55	A distributed IP address assignment scheme in ad hoc networks. International Journal of Ad Hoc and Ubiquitous Computing, 2008, 3, 10.	0.3	10
56	Pair-wise path key establishment in wireless sensor networks. Computer Communications, 2007, 30, 2365-2374.	3.1	15
57	A Distributed Query Protocol in Wireless Sensor Networks. Wireless Personal Communications, 2007, 41, 449-464.	1.8	11
58	A Clock Synchronization Algorithm for Multihop Wireless Ad Hoc Networks. Wireless Personal Communications, 2007, 43, 185-200.	1.8	63
59	An efficient reliable broadcasting protocol for wireless mobile ad hoc networks. Ad Hoc Networks, 2007, 5, 299-312.	3.4	14
60	Power control based topology construction for the distributed wireless sensor networks. Computer Communications, 2007, 30, 2774-2785.	3.1	25
61	An adaptive quorum-based energy conserving protocol for IEEE 802.11 ad hoc networks. IEEE Transactions on Mobile Computing, 2006, 5, 560-570.	3.9	101
62	Efficient broadcasting protocols for regular wireless sensor networks. Wireless Communications and Mobile Computing, 2006, 6, 35-48.	0.8	14
63	BlueCube: Constructing a hypercube parallel computing and communication environment over Bluetooth radio systems. Journal of Parallel and Distributed Computing, 2006, 66, 1243-1258.	2.7	18
64	Realizing Outdoor Independent Learning with a Butterfly-Watching Mobile Learning System. Journal of Educational Computing Research, 2005, 33, 395-417.	3.6	48
65	An on-demand, link-state, multi-path QoS routing in a wireless mobile ad-hoc network. Computer Communications, 2004, 27, 27-40.	3.1	52
66	Dynamic channel allocation with location awareness for multi-hop mobile ad hoc networks. Computer Communications, 2002, 25, 676-688.	3.1	20
67	A Multi-Path QoS Routing Protocol in a Wireless Mobile Ad Hoc Network. Telecommunication Systems, 2002, 19, 329-347.	1.6	38
68	GRID: A Fully Location-Aware Routing Protocol for Mobile Ad Hoc Networks. Telecommunication Systems, 2001, 18, 37-60.	1.6	310
69	Route Maintenance in a Wireless Mobile Ad Hoc Network. Telecommunication Systems, 2001, 18, 61-84.	1.6	15
70	Data broadcasting and seamless channel transition for highly demanded videos. IEEE Transactions on Communications, 2001, 49, 863-874.	4.9	37
71	Efficient path-based multicast in wormhole-routed mesh networks. Journal of Systems Architecture, 2000, 46, 919-930.	2.5	26
72	Intelligent medium access for mobile ad hoc networks with busy tones and power control. IEEE Journal on Selected Areas in Communications, 2000, 18, 1647-1657.	9.7	216

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73	Fault-tolerant ring embedding in a star graph with both link and node failures. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 1185-1195.	4.0	103
74	Toward optimal broadcast in a star graph using multiple spanning trees. IEEE Transactions on Computers, 1997, 46, 593-599.	2.4	25
75	Balanced spanning trees in complete and incomplete star graphs. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 717-723.	4.0	17
76	An optimal broadcasting algorithm without message redundancy in star graphs. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 653-658.	4.0	51
77	A MULTICAST ALGORITHM FOR HYPERCUBE MULTIPROCESSORS. International Journal of Parallel, Emergent and Distributed Systems, 1994, 2, 277-290.	0.4	8
78	Communication-free data allocation techniques for parallelizing compilers on multicomputers. IEEE Transactions on Parallel and Distributed Systems, 1994, 5, 924-938.	4.0	46
79	A broadcasting algorithm in star graph interconnection networks. Information Processing Letters, 1993, 48, 237-241.	0.4	30
80	Design and implementation of a distributed file system. Software - Practice and Experience, 1991, 21, 657-675.	2.5	3
81	Performance analysis of multistage interconnection networks with hierarchical requesting model. IEEE Transactions on Computers, 1988, 37, 1438-1442.	2.4	17