Tzung-Shi Chen

List of Publications by Year
in descending order

49 papers	1,054 citations	516561 16 h-index	454834 30 g-index
51 all docs	51 docs citations	51 times ranked	794 citing authors

#	Article	IF	Citations
1	Mobile object tracking in wireless sensor networks. Computer Communications, 2007, 30, 1811-1825.	3.1	152
2	The design and implementation of a meaningful learning-based evaluation method for ubiquitous learning. Computers and Education, 2011, 57, 2291-2302.	5.1	151
3	The study on integrating WebQuest with mobile learning for environmental education. Computers and Education, 2011, 57, 1228-1239.	5.1	123
4	An optimal broadcasting algorithm without message redundancy in star graphs. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 653-658.	4.0	51
5	Communication-free data allocation techniques for parallelizing compilers on multicomputers. IEEE Transactions on Parallel and Distributed Systems, 1994, 5, 924-938.	4.0	46
6	Geographic convergecast using mobile sink in wireless sensor networks. Computer Communications, 2013, 36, 445-458.	3.1	42
7	On Data Collection Using Mobile Robot in Wireless Sensor Networks. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 1213-1224.	3.4	40
8	Mining User Movement Behavior Patterns in a Mobile Service Environment. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 87-101.	3.4	37
9	Enabling Cyber Physical Systems with Wireless Sensor Networking Technologies. International Journal of Distributed Sensor Networks, 2012, 8, 489794.	1.3	33
10	A broadcasting algorithm in star graph interconnection networks. Information Processing Letters, 1993, 48, 237-241.	0.4	30
11	A dual-hamiltonian-path-based multicasting strategy for wormhole-routed star graph interconnection networks. Journal of Parallel and Distributed Computing, 2002, 62, 1747-1762.	2.7	29
12	A Meaningful Learning Based u-Learning Evaluation Model. , 2008, , .		29
13	Efficient path-based multicast in wormhole-routed mesh networks. Journal of Systems Architecture, 2000, 46, 919-930.	2.5	26
14	Adjustable convergecast tree protocol for wireless sensor networks. Computer Communications, 2010, 33, 559-570.	3.1	23
15	Friend Recommendation for Location-Based Mobile Social Networks. , 2013, , .		20
16	Mining frequent tree-like patterns in large datasets. Data and Knowledge Engineering, 2007, 62, 65-83.	2.1	19
17	Balanced spanning trees in complete and incomplete star graphs. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 717-723.	4.0	17
18	Service Discovery in Mobile Ad Hoc Networks Based on Grid. IEEE Transactions on Vehicular Technology, 2009, 58, 1528-1545.	3.9	16

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19	The Effect of Situated Mobile Learning on Chinese Rhetoric Ability of Elementary School Students. , 2010, , .		13
20	The Implications of Learning Cloud for Education: From the Perspectives of Learners. , 2012, , .		13
21	Robust Mechanism of Trap Coverage and Target Tracking in Mobile Sensor Networks. IEEE Internet of Things Journal, 2018, 5, 3019-3030.	5.5	13
22	Distributed object tracking using moving trajectories in wireless sensor networks. Wireless Networks, 2016, 22, 2415-2437.	2.0	11
23	Adaptive Load-Aware Congestion Control Protocol for Wireless Sensor Networks. Wireless Personal Communications, 2017, 97, 3483-3502.	1.8	11
24	Partitioning and mapping of nested loops for linear array multicomputers. Journal of Supercomputing, 1995, 9, 183-202.	2.4	10
25	SOM: spiral-fat-tree-based on-demand multicast protocol in a wireless ad-hoc network. Computer Communications, 2002, 25, 1684-1695.	3.1	10
26	Task migration in 2D wormhole-routed mesh multicomputers. Information Processing Letters, 2000, 73, 103-110.	0.4	9
27	Mobile Charging Strategy for Wireless Rechargeable Sensor Networks. Sensors, 2022, 22, 359.	2.1	9
28	Multicast communication in wormhole-routed star graph interconnection networks. Parallel Computing, 2000, 26, 1459-1490.	1.3	8
29	Title is missing!. Journal of Supercomputing, 2002, 21, 191-211.	2.4	8
30	Optimal broadcasting on incomplete star graph interconnection networks. Journal of Systems Architecture, 2005, 51, 143-150.	2.5	6
31	Gateway selection based on game theory in internet of things. , 2018, , .		6
32	Task migration in n-dimensional wormhole-routed mesh multicomputers. Journal of Systems Architecture, 2004, 50, 177-192.	2.5	5
33	Dissemination of Data Aggregation in Vehicular Ad Hoc Networks. , 2009, , .		5
34	Cyber Physical Systems Using Sensor Technologies. International Journal of Distributed Sensor Networks, 2012, 8, 957396.	1.3	5
35	Scheduling for Data Collection in Multi-hop IEEE 802.15.4e TSCH Networks. , 2016, , .		4
36	An efficient adjustable grid-based data replication scheme for wireless sensor networks. Ad Hoc Networks, 2016, 36, 203-213.	3.4	4

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37	Improving Memory Traffic by Assembly-Level Exploitation of Reuses for Vector Registers. Journal of Supercomputing, 2000, 17, 187-204.	2.4	3
38	An Intelligent System for Wheelchair Users Using Data Mining and Sensor Networking Technologies. , 2011, , .		3
39	Dual-tree-based multicasting on wormhole-routed irregular switch-based networks. Journal of Systems Architecture, 2002, 47, 999-1015.	2.5	2
40	Geographic convergecast in wireless sensor networks. , 2008, , .		2
41	Prediction-Based Object Tracking in Visual Sensor Networks. Wireless Personal Communications, 2016, 87, 145-163.	1.8	2
42	Adaptive Trap Coverage in Mobile Sensor Networks. Procedia Computer Science, 2017, 110, 102-109.	1.2	2
43	Detection of Cytopathic Effects Induced by Influenza, Parainfluenza, and Enterovirus Using Deep Convolution Neural Network. Biomedicines, 2022, 10, 70.	1.4	2
44	WebQuest: M-learning for Environmental Education. , 2010, , .		1
45	Data Gathering in a Hybrid Wireless Sensor Network. , 2012, , .		1
46	Object Tracking by mining movement Trajectories in Wireless Sensor Networks. , 2014, , .		1
47	Dynamic Set Planning for Coordinated Multi-Point in B4G/5G Networks. Sensors, 2021, 21, 1752.	2.1	1
48	Dispatch of Mobile Resources in Wireless Sensor Networks. , 2009, , .		0
49	Crowdsensing Service by Mining Trajectory Patterns in Wireless Sensor Networks. , 2014, , .		0