

Ling-Jyh Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111
papers

1,180
citations

19
h-index

30
g-index

144
ext. papers

1,536
ext. citations

3.4
avg, IF

4.63
L-index

#	Paper	IF	Citations
111	An Open Framework for Participatory PM2.5 Monitoring in Smart Cities. <i>IEEE Access</i> , 2017 , 5, 14441-14454	5.4	97
110	CapProbe 2004 ,		89
109	. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 559-570	10.7	59
108	A hybrid routing approach for opportunistic networks 2006 ,		57
107	PRoPHET+: An Adaptive PRoPHET-Based Routing Protocol for Opportunistic Network 2010 ,		53
106	Modeling User Mobility for Location Promotion in Location-based Social Networks 2015 ,		48
105	A Survey of Human Computation Systems 2009 ,		48
104	Improving the Accuracy and Efficiency of PM2.5 Forecast Service Using Cluster-Based Hybrid Neural Network Model. <i>IEEE Access</i> , 2018 , 6, 19193-19204	3.5	39
103	CapProbe. <i>Computer Communication Review</i> , 2004 , 34, 67-78	1.4	36
102	An Evaluation Study of Mobility Support in ZigBee Networks. <i>Journal of Signal Processing Systems</i> , 2010 , 59, 111-122	1.4	35
101	Integrating low-cost air quality sensor networks with fixed and satellite monitoring systems to study ground-level PM2.5. <i>Atmospheric Environment</i> , 2020 , 223, 117293	5.3	29
100	Short-Term PM2.5 Forecasting Using Exponential Smoothing Method: A Comparative Analysis. <i>Sensors</i> , 2018 , 18,	3.8	27
99	NB-IoTtalk: A Service Platform for Fast Development of NB-IoT Applications. <i>IEEE Internet of Things Journal</i> , 2018 , 1-1	10.7	26
98	A content-centric framework for effective data dissemination in opportunistic networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2008 , 26, 761-772	14.2	24
97	HTTP 2012 ,		23
96	Reliable sensor networks for planet exploration		22
95	Involuntary Information Leakage in Social Network Services. <i>Lecture Notes in Computer Science</i> , 2008 , 167-183	0.9	20

94	Rapid Prototyping for Wildlife and Ecological Monitoring. <i>IEEE Systems Journal</i> , 2010 , 4, 198-209	4.3	19
93	Impact of Node Heterogeneity in ZigBee Mesh Network Routing 2006 ,		19
92	PBProbe: A capacity estimation tool for high speed networks. <i>Computer Communications</i> , 2008 , 31, 3883-3893	3.8	18
91	Smooth and efficient real-time video transport in the presence of wireless errors. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2006 , 2, 109-126	3.4	16
90	Exploring Sequential Probability Tree for Movement-Based Community Discovery. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2717-2730	4.2	15
89	Evaluating Mobility Support in ZigBee Networks 2007 , 87-100		15
88	From Do-It-Yourself (DIY) to Do-It-Together (DIT): Reflections on designing a citizen-driven air quality monitoring framework in Taiwan. <i>Sustainable Cities and Society</i> , 2021 , 66, 102628	10.1	14
87	Exploiting Viral Marketing for Location Promotion in Location-Based Social Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2016 , 11, 1-28	4	11
86	An empirical study of PM2.5 forecasting using neural network 2017 ,		11
85	Ad-hoc Storage Overlay System (ASOS): A Delay-Tolerant Approach in MANETs 2006 ,		11
84	CAR: The Clean Air Routing Algorithm for Path Navigation With Minimal PM2.5 Exposure on the Move. <i>IEEE Access</i> , 2019 , 7, 147373-147382	3.5	10
83	Performance Study of Routing Schemes in Delay Tolerant Networks 2008 ,		10
82	Finding Self-Similarities in Opportunistic People Networks 2007 ,		10
81	Real-time PM2.5 mapping and anomaly detection from AirBoxes in Taiwan. <i>Environmetrics</i> , 2018 , 29, e2537	1.3	10
80	Krypto 2015 ,		9
79	Bluetooth: carrying voice over ACL links		9
78	A Vector Mosquitoes Classification System Based on Edge Computing and Deep Learning 2018 ,		9
77	AdHoc Probe: end-to-end capacity probing in wireless ad hoc networks. <i>Wireless Networks</i> , 2009 , 15, 111-126	2.5	8

76	Estimating ground-level PM levels in Taiwan using data from air quality monitoring stations and high coverage of microsensors. <i>Environmental Pollution</i> , 2020 , 264, 114810	9.3	7
75	SwapItUp: A Face Swap Application for Privacy Protection 2017 ,		7
74	Improving the Amazon Review System by Exploiting the Credibility and Time-Decay of Public Reviews 2008 ,		7
73	Associations between Acute Exposures to PM and Carbon Dioxide Indoors and Cognitive Function in Office Workers: A Multicountry Longitudinal Prospective Observational Study.. <i>Environmental Research Letters</i> , 2021 , 16,	6.2	7
72	Wireless location tracking by a sensor-assisted particle filter and floor plans in a 2.5-D space 2018 ,		6
71	YushanNet: A Delay-Tolerant Wireless Sensor Network for Hiker Tracking in Yushan National Park 2009 ,		6
70	Modeling Channel Conflict Probabilities between IEEE 802.15 based Wireless Personal Area Networks 2006 ,		6
69	Dealing with Node Mobility in Ad Hoc Wireless Network. <i>Lecture Notes in Computer Science</i> , 2005 , 69-106.	6.9	6
68	Monitoring access link capacity using TFRC probe. <i>Computer Communications</i> , 2006 , 29, 1605-1613	5.1	6
67	End-to-End Asymmetric Link Capacity Estimation. <i>Lecture Notes in Computer Science</i> , 2005 , 780-791	0.9	6
66	Improving Bluetooth EDR Data Throughput Using FEC and Interleaving. <i>Lecture Notes in Computer Science</i> , 2006 , 724-735	0.9	6
65	Missing data handling for meter data management system 2013 ,		5
64	Enhancing QoS support for vertical handoffs using implicit/explicit handoff notifications		5
63	USHA: a simple and practical seamless vertical handoff solution		5
62	Enhancing Bluetooth TCP throughput via link layer packet adaptation 2004 ,		5
61	A Fast PM2.5 Forecast Approach Based on Time-Series Data Analysis, Regression and Regularization 2018 ,		5
60	2017 ,		4
59	Why is Short-Time PM2.5 Forecast Difficult? The Effects of Sudden Events. <i>IEEE Access</i> , 2020 , 8, 12662-12674	3.74	4

58	An Evaluation of Routing Reliability in Non-collaborative Opportunistic Networks 2009 ,		4
57	An Analytical Study of Puzzle Selection Strategies for the ESP Game 2008 ,		4
56	An Analytical Approach to Optimizing the Utility of ESP Games 2008 ,		4
55	Design and implementation of IoT-enabled personal air quality assistant on instant messenger 2018 ,		4
54	A Comparative Study of Machine-Learning Indoor Localization Using FM and DVB-T Signals in Real Testbed Environments 2017 ,		3
53	A Building/Environment Data Based Indoor Positioning Service 2015 ,		3
52	A Two-State Markov-Based Wireless Error Model for Bluetooth Networks. <i>Wireless Personal Communications</i> , 2011 , 58, 657-668	1.9	3
51	XD: A Cross-Layer Designed Data Collection Mechanism for Mission-Critical WSNs in Urban Buildings 2009 ,		3
50	The design of puzzle selection strategies for GWAP systems. <i>Concurrency Computation Practice and Experience</i> , 2010 , 22, n/a-n/a	1.4	3
49	An Analytical Study of Wireless Error Models for Bluetooth Networks 2008 ,		3
48	2007 ,		3
47	Throughput, energy and path length tradeoffs in Bluetooth scatternets		3
46	Accuracy of link capacity estimates using passive and active approaches with CapProbe		3
45	Evaluation and Application of a Novel Low-Cost Wearable Sensing Device in Assessing Real-Time PM2.5 Exposure in Major Asian Transportation Modes. <i>Atmosphere</i> , 2021 , 12, 270	2.7	3
44	Adaptive sensing scheme using naive Bayes classification for environment monitoring with drone. <i>International Journal of Distributed Sensor Networks</i> , 2018 , 14, 155014771875603	1.7	3
43	LWA Rate Adaption by Enhanced Event-Triggered Reporting. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10950-10959	6.8	2
42	Using known vectors to improve data dissemination in opportunistic networks. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2014 , 17, 59	0.7	2
41	Adaptive Drone Sensing with Always Return-To-Home Guaranteed 2015 ,		2

40	Enhancing robustness of vehicular networks using virtual frameworks. <i>Telecommunication Systems</i> , 2015 , 58, 329-348	2.3	2
39	An in-depth study of forecasting household electricity demand using realistic datasets 2014 ,		2
38	Exploiting mobility for location promotion in location-based social networks 2014 ,		2
37	2011 ,		2
36	The Design of Puzzle Selection Strategies for ESP-Like GWAP Systems. <i>IEEE Transactions on Games</i> , 2010 , 2, 120-130		2
35	Cross-layer performance evaluation of sensor networks 2008 ,		2
34	2006 ,		2
33	TSPProbe: A Link Capacity Estimation Tool for Time-Slotted Wireless Networks 2007 ,		2
32	Path capacity estimation in IEEE 802.15.4 enabled wireless sensor network via senprobe		2
31	Real-time streaming over wireless links: a comparative study		2
30	Recurrent Learning on PM _{2.5} Prediction Based on Clustered Airbox Dataset. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	2
29	Performance of Splitting LTE-WLAN Aggregation. <i>Mobile Networks and Applications</i> , 2019 , 24, 1587-1595.9		2
28	Estimating Link Capacity in High Speed Networks. <i>Lecture Notes in Computer Science</i> , 2006 , 98-109	0.9	2
27	Translating citizen-generated air quality data into evidence for shaping policy. <i>Humanities and Social Sciences Communications</i> , 2022 , 9,	2.8	2
26	On-demand Misbehavior Detection for Vehicular Ad Hoc Network. <i>International Journal of Distributed Sensor Networks</i> , 2016 , 12, 155014771667392	1.7	1
25	CAR 2018 ,		1
24	Pokeball: A 3D Positioning System Using Magnetism 2017 ,		1
23	A System Calibration Model for Mobile PM _{2.5} Sensing Using Low-Cost Sensors 2017 ,		1

22	Measurement of long-distance Wi-Fi connections: An empirical study 2014 ,		1
21	MetroNet: a disruption-tolerant approach for mobile downloads on metro systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014 , 25, 835-851	1.9	1
20	An analytical model for generalized ESP games. <i>Knowledge-Based Systems</i> , 2012 , 34, 114-127	7.3	1
19	A Crowdsourcing-Based Approach to Assess Concentration Levels of Students in Class Videos 2013 ,		1
18	Exploiting Puzzle Diversity in Puzzle Selection for ESP-Like GWAP Systems 2010 ,		1
17	A Study of Comfort Measuring System Using Taxi Trajectories 2011 ,		1
16	Localized data dissemination in vehicular sensing networks 2009 ,		1
15	An analytical study of GWAP-based geospatial tagging systems 2009 ,		1
14	Open information gateway for disaster management 2012 ,		1
13	. <i>International Conference on Advanced Networking and Applications</i> , 2007 ,		1
12	Adaptive video streaming in vertical handoff: a case study		1
11	On Using Probabilistic Forwarding to Improve HEC-Based Data Forwarding in Opportunistic Networks 2007 , 101-112		1
10	Indoor air quality monitoring system for proactive control of respiratory infectious diseases 2020 ,		1
9	A Two-Layer Approach for Energy Efficiency in Mobile Location Sensing Applications. <i>Lecture Notes in Computer Science</i> , 2012 , 304-315	0.9	1
8	The Impact of Node Heterogeneity on ZigBee Network Routing 2010 , 167-180		1
7	COVID-19 Pandemic Analysis for a Country's Ability to Control the Outbreak Using Little's Law: Infodemiology Approach. <i>Sustainability</i> , 2021 , 13, 5628	3.6	1
6	Automatic opinion leader recognition in group discussions 2016 ,		1
5	The Design and Evaluation of Task Assignment Algorithms for GWAP-based Geospatial Tagging Systems. <i>Mobile Networks and Applications</i> , 2012 , 17, 395-414	2.9	0

4	An adaptive ARQ timeout approach for audio streaming over Bluetooth. <i>International Journal of Wireless and Mobile Computing</i> , 2009 , 3, 255	0.4
3	Integrity-Aware Bandwidth Guarding Approach in P2P Networks. <i>Lecture Notes in Computer Science</i> , 2007 , 1060-1071	0.9
2	A Machine Learning Based PM2.5 Forecasting Framework Using Internet of Environmental Things. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 170-176	0.2
1	An alternative approach for estimating large-area indoor PM2.5 concentration [A case study of schools. <i>Building and Environment</i> , 2022 , 219, 109249	6.5