Ling-Jyh Chen

List of Publications by Year in Descending Order

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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	Translating citizen-generated air quality data into evidence for shaping policy. *Humanities and Social Sciences Communications*, **2022**, 9,	2.8	2
110	An alternative approach for estimating large-area indoor PM2.5 concentration：A case study of schools. *Building and Environment*, **2022**, 219, 109249	6.5	
109	From Do-It-Yourself (DIY) to Do-It-Together (DIT): Reflections on designing a citizen-driven air quality monitoring framework in Taiwan. *Sustainable Cities and Society*, **2021**, 66, 102628	10.1	14
108	COVID-19 Pandemic Analysis for a Country's Ability to Control the Outbreak Using Little's Law: Infodemiology Approach. *Sustainability*, **2021**, 13, 5628	3.6	1
107	Evaluation and Application of a Novel Low-Cost Wearable Sensing Device in Assessing Real-Time PM2.5 Exposure in Major Asian Transportation Modes. *Atmosphere*, **2021**, 12, 270	2.7	3
106	Associations between Acute Exposures to PM and Carbon Dioxide Indoors and Cognitive Function in Office Workers: A Multicountry Longitudinal Prospective Observational Study.. *Environmental Research Letters*, **2021**, 16,	6.2	7
105	Estimating ground-level PM levels in Taiwan using data from air quality monitoring stations and high coverage of microsensors. *Environmental Pollution*, **2020**, 264, 114810	9.3	7
104	Why is Short-Time PM2.5 Forecast Difficult? The Effects of Sudden Events. *IEEE Access*, **2020**, 8, 12662-12674	3.9	4
103	Integrating low-cost air quality sensor networks with fixed and satellite monitoring systems to study ground-level PM2.5. *Atmospheric Environment*, **2020**, 223, 117293	5.3	29
102	Indoor air quality monitoring system for proactive control of respiratory infectious diseases **2020**,		1
101	Recurrent Learning on PM_{2.5} Prediction Based on Clustered Airbox Dataset. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	2
100	CAR: The Clean Air Routing Algorithm for Path Navigation With Minimal PM2.5 Exposure on the Move. *IEEE Access*, **2019**, 7, 147373-147382	3.5	10
99	Performance of Splitting LTE-WLAN Aggregation. *Mobile Networks and Applications*, **2019**, 24, 1587-1595	2.9	2
98	. *IEEE Internet of Things Journal*, **2018**, 5, 559-570	10.7	59
97	Improving the Accuracy and Efficiency of PM2.5 Forecast Service Using Cluster-Based Hybrid Neural Network Model. *IEEE Access*, **2018**, 6, 19193-19204	3.5	39
96	NB-IoTtalk: A Service Platform for Fast Development of NB-IoT Applications. *IEEE Internet of Things Journal*, **2018**, 1-1	10.7	26
95	LWA Rate Adaption by Enhanced Event-Triggered Reporting. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 10950-10959	6.8	2

94	CAR **2018**,		1
93	Wireless location tracking by a sensor-assisted particle filter and floor plans in a 2.5-D space **2018**,		6
92	Design and implementation of IoT-enabled personal air quality assistant on instant messenger **2018**,		4
91	A Machine Learning Based PM2.5 Forecasting Framework Using Internet of Environmental Things. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 170-176	0.2	
90	A Fast PM2.5 Forecast Approach Based on Time-Series Data Analysis, Regression and Regularization **2018**,		5
89	A Vector Mosquitoes Classification System Based on Edge Computing and Deep Learning **2018**,		9
88	Adaptive sensing scheme using naive Bayes classification for environment monitoring with drone. *International Journal of Distributed Sensor Networks*, **2018**, 14, 155014771875603	1.7	3
87	Short-Term PM2.5 Forecasting Using Exponential Smoothing Method: A Comparative Analysis. *Sensors*, **2018**, 18,	3.8	27
86	Real-time PM2.5 mapping and anomaly detection from AirBoxes in Taiwan. *Environmetrics*, **2018**, 29, e2537	1.3	10
85	**2017**,		4
84	A Comparative Study of Machine-Learning Indoor Localization Using FM and DVB-T Signals in Real Testbed Environments **2017**,		3
83	An Open Framework for Participatory PM2.5 Monitoring in Smart Cities. *IEEE Access*, **2017**, 5, 14441-14454	3.5	97
82	SwapItUp: A Face Swap Application for Privacy Protection **2017**,		7
81	Pokeball: A 3D Positioning System Using Magnetism **2017**,		1
80	A System Calibration Model for Mobile PM2.5 Sensing Using Low-Cost Sensors **2017**,		1
79	An empirical study of PM2.5 forecasting using neural network **2017**,		11
78	Exploiting Viral Marketing for Location Promotion in Location-Based Social Networks. *ACM Transactions on Knowledge Discovery From Data*, **2016**, 11, 1-28	4	11
77	On-demand Misbehavior Detection for Vehicular Ad Hoc Network. *International Journal of Distributed Sensor Networks*, **2016**, 12, 155014771667392	1.7	1

76	Automatic opinion leader recognition in group discussions **2016**,		1
75	Modeling User Mobility for Location Promotion in Location-based Social Networks **2015**,		48
74	Krypto **2015**,		9
73	Adaptive Drone Sensing with Always Return-To-Home Guaranteed **2015**,		2
72	Enhancing robustness of vehicular networks using virtual frameworks. *Telecommunication Systems*, **2015**, 58, 329-348	2.3	2
71	A Building/Environment Data Based Indoor Positioning Service **2015**,		3
70	Exploring Sequential Probability Tree for Movement-Based Community Discovery. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 2717-2730	4.2	15
69	Using known vectors to improve data dissemination in opportunistic networks. *International Journal of Ad Hoc and Ubiquitous Computing*, **2014**, 17, 59	0.7	2
68	An in-depth study of forecasting household electricity demand using realistic datasets **2014**,		2
67	Measurement of long-distance Wi-Fi connections: An empirical study **2014**,		1
66	MetroNet: a disruption-tolerant approach for mobile downloads on metro systems. *Transactions on Emerging Telecommunications Technologies*, **2014**, 25, 835-851	1.9	1
65	Exploiting mobility for location promotion in location-based social networks **2014**,		2
64	Missing data handling for meter data management system **2013**,		5
63	A Crowdsourcing-Based Approach to Assess Concentration Levels of Students in Class Videos **2013**,		1
62	An analytical model for generalized ESP games. *Knowledge-Based Systems*, **2012**, 34, 114-127	7.3	1
61	The Design and Evaluation of Task Assignment Algorithms for GWAP-based Geospatial Tagging Systems. *Mobile Networks and Applications*, **2012**, 17, 395-414	2.9	0
60	HTTP **2012**,		23
59	Open information gateway for disaster management **2012**,		1

58	A Two-Layer Approach for Energy Efficiency in Mobile Location Sensing Applications. *Lecture Notes in Computer Science*, **2012**, 304-315	0.9	1
57	**2011**,		2
56	A Two-State Markov-Based Wireless Error Model for Bluetooth Networks. *Wireless Personal Communications*, **2011**, 58, 657-668	1.9	3
55	A Study of Comfort Measuring System Using Taxi Trajectories **2011**,		1
54	Exploiting Puzzle Diversity in Puzzle Selection for ESP-Like GWAP Systems **2010**,		1
53	PRoPHET+: An Adaptive PRoPHET-Based Routing Protocol for Opportunistic Network **2010**,		53
52	An Evaluation Study of Mobility Support in ZigBee Networks. *Journal of Signal Processing Systems*, **2010**, 59, 111-122	1.4	35
51	The Design of Puzzle Selection Strategies for ESP-Like GWAP Systems. *IEEE Transactions on Games*, **2010**, 2, 120-130		2
50	Rapid Prototyping for Wildlife and Ecological Monitoring. *IEEE Systems Journal*, **2010**, 4, 198-209	4.3	19
49	The design of puzzle selection strategies for GWAP systems. *Concurrency Computation Practice and Experience*, **2010**, 22, n/a-n/a	1.4	3
48	The Impact of Node Heterogeneity on ZigBee Network Routing **2010**, 167-180		1
47	Localized data dissemination in vehicular sensing networks **2009**,		1
46	A Survey of Human Computation Systems **2009**,		48
45	An analytical study of GWAP-based geospatial tagging systems **2009**,		1
44	AdHoc Probe: end-to-end capacity probing in wireless ad hoc networks. *Wireless Networks*, **2009**, 15, 111-126	2.5	8
43	An Evaluation of Routing Reliability in Non-collaborative Opportunistic Networks **2009**,		4
42	YushanNet: A Delay-Tolerant Wireless Sensor Network for Hiker Tracking in Yushan National Park **2009**,		6
41	XD: A Cross-Layer Designed Data Collection Mechanism for Mission-Critical WSNs in Urban Buildings **2009**,		3

40	An adaptive ARQ timeout approach for audio streaming over Bluetooth. *International Journal of Wireless and Mobile Computing*, **2009**, 3, 255	0.4	
39	A content-centric framework for effective data dissemination in opportunistic networks. *IEEE Journal on Selected Areas in Communications*, **2008**, 26, 761-772	14.2	24
38	Involuntary Information Leakage in Social Network Services. *Lecture Notes in Computer Science*, **2008**, 167-183	0.9	20
37	Performance Study of Routing Schemes in Delay Tolerant Networks **2008**,		10
36	An Analytical Study of Wireless Error Models for Bluetooth Networks **2008**,		3
35	Improving the Amazon Review System by Exploiting the Credibility and Time-Decay of Public Reviews **2008**,		7
34	An Analytical Study of Puzzle Selection Strategies for the ESP Game **2008**,		4
33	Cross-layer performance evaluation of sensor networks **2008**,		2
32	An Analytical Approach to Optimizing the Utility of ESP Games **2008**,		4
31	PBProbe: A capacity estimation tool for high speed networks. *Computer Communications*, **2008**, 31, 3883-3893	1.3	18
30	**2007**,		3
29	Finding Self-Similarities in Opportunistic People Networks **2007**,		10
28	TSProbe: A Link Capacity Estimation Tool for Time-Slotted Wireless Networks **2007**,		2
27	. *International Conference on Advanced Networking and Applications*, **2007**,		1
26	On Using Probabilistic Forwarding to Improve HEC-Based Data Forwarding in Opportunistic Networks **2007**, 101-112		1
25	Integrity-Aware Bandwidth Guarding Approach in P2P Networks. *Lecture Notes in Computer Science*, **2007**, 1060-1071	0.9	
24	Evaluating Mobility Support in ZigBee Networks **2007**, 87-100		15
23	**2006**,		2

22	Modeling Channel Conflict Probabilities between IEEE 802.15 based Wireless Personal Area Networks **2006**,		6
21	Smooth and efficient real-time video transport in the presence of wireless errors. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2006**, 2, 109-126	3.4	16
20	A hybrid routing approach for opportunistic networks **2006**,		57
19	Impact of Node Heterogeneity in ZigBee Mesh Network Routing **2006**,		19
18	Ad-hoc Storage Overlay System (ASOS): A Delay-Tolerant Approach in MANETs **2006**,		11
17	Monitoring access link capacity using TFRC probe. *Computer Communications*, **2006**, 29, 1605-1613	5.1	6
16	Estimating Link Capacity in High Speed Networks. *Lecture Notes in Computer Science*, **2006**, 98-109	0.9	2
15	Improving Bluetooth EDR Data Throughput Using FEC and Interleaving. *Lecture Notes in Computer Science*, **2006**, 724-735	0.9	6
14	Dealing with Node Mobility in Ad Hoc Wireless Network. *Lecture Notes in Computer Science*, **2005**, 69-106	0.9	6
13	End-to-End Asymmetric Link Capacity Estimation. *Lecture Notes in Computer Science*, **2005**, 780-791	0.9	6
12	CapProbe **2004**,		89
11	Enhancing Bluetooth TCP throughput via link layer packet adaptation **2004**,		5
10	CapProbe. *Computer Communication Review*, **2004**, 34, 67-78	1.4	36
9	Enhancing QoS support for vertical handoffs using implicit/explicit handoff notifications		5
8	Reliable sensor networks for planet exploration		22
7	Throughput, energy and path length tradeoffs in Bluetooth scatternets		3
6	Path capacity estimation in IEEE 802.15.4 enabled wireless sensor network via senprobe		2
5	USHA: a simple and practical seamless vertical handoff solution		5

4	Adaptive video streaming in vertical handoff: a case study	1
3	Real-time streaming over wireless links: a comparative study	2
2	Bluetooth: carrying voice over ACL links	9
1	Accuracy of link capacity estimates using passive and active approaches with CapProbe	3