

# Yung-Fa Huang

## 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.

104  
papers

532  
citations

11  
h-index

17  
g-index

163  
ext. papers

674  
ext. citations

2  
avg, IF

3.88  
L-index

#	Paper	IF	Citations
104	A Suboptimal PTS Algorithm Based on Particle Swarm Optimization Technique for PAPR Reduction in OFDM Systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2008</b> , 2008,	3.2	36
103	Peak-to-average power ratio reduction in orthogonal frequency division multiplexing system using differential evolution-based partial transmit sequences scheme. <i>IET Communications</i> , <b>2012</b> , 6, 1483	1.3	31
102	A stable weight-based on-demand routing protocol for mobile ad hoc networks. <i>Information Sciences</i> , <b>2007</b> , 177, 5522-5537	7.7	30
101	Multi-Resident Activity Recognition in a Smart Home Using RGB Activity Image and DCNN. <i>IEEE Sensors Journal</i> , <b>2018</b> , 1-1	4	30
100	Energy-Aware Data Aggregation for Grid-Based Wireless Sensor Networks with a Mobile Sink. <i>Wireless Personal Communications</i> , <b>2007</b> , 43, 1539-1551	1.9	23
99	Development of a portable Linux-based ECG measurement and monitoring system. <i>Journal of Medical Systems</i> , <b>2011</b> , 35, 559-69	5.1	17
98	A new method for intrusion detection on hierarchical wireless sensor networks <b>2009</b> ,		16
97	A security gateway application for End-to-End M2M communications. <i>Computer Standards and Interfaces</i> , <b>2016</b> , 44, 85-93	3.5	14
96	A modified genetic algorithm PTS technique for PAPR reduction in OFDM systems <b>2009</b> ,		14
95	Performance of particle swarm optimization techniques on papr reduction for OFDM systems. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , <b>2008</b> ,	2	12
94	Atmospheric Visibility Monitoring Using Digital Image Analysis Techniques. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 1204-1211	0.9	12
93	ML-Chord: A multi-layered P2P resource sharing model. <i>Journal of Network and Computer Applications</i> , <b>2009</b> , 32, 578-588	7.9	11
92	A Power-Aware Multicast Routing Protocol for Mobile Ad Hoc Networks With Mobility Prediction. <i>Wireless Personal Communications</i> , <b>2007</b> , 43, 1479-1497	1.9	11
91	Using Sharpness Image with Haar Function for Urban Atmospheric Visibility Measurement. <i>Aerosol and Air Quality Research</i> , <b>2010</b> , 10, 323-330	4.6	11
90	Performance analysis of PSO-based parallel interference canceller for MC-CDMA communication systems. <i>European Transactions on Telecommunications</i> , <b>2009</b> , 20, 287-297		10
89	Enabling NOMA in Backscatter Reconfigurable Intelligent Surfaces-Aided Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 33782-33795	3.5	10
88	Performance of a Novel Adaptive Multistage Full Parallel Interference Canceller for CDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2008</b> , 57, 1944-1951	6.8	9

87	Performance of a Hierarchical Cluster-Based Wireless Sensor Network <b>2008</b> ,		9
86	PM Concentration Estimation Based on Image Processing Schemes and Simple Linear Regression. <i>Sensors</i> , <b>2020</b> , 20,	3.8	8
85	A Light-Weight Ranger Intrusion Detection System on Wireless Sensor Networks <b>2011</b> ,		7
84	. <i>IEEE Access</i> , <b>2020</b> , 8, 84248-84257	3.5	6
83	Performance of Hand Gesture Recognition Based on Received Signal Strength with Weighting Signaling in Wireless Communications <b>2015</b> ,		6
82	An efficient energy data gathering based on grid-chain for wireless sensor networks <b>2012</b> ,		6
81	A Generalized Temporal and Spatial Role-Based Access Control Model. <i>Journal of Networks</i> , <b>2010</b> , 5,		6
80	Resource Allocation For D2D Communications With A Novel Distributed Q-Learning Algorithm In Heterogeneous Networks <b>2018</b> ,		6
79	Applying an Ontology to a Patrol Intrusion Detection System for Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 634748	1.7	5
78	Joint channel estimation and multi-user detection for MC-CDMA system using genetic algorithm and simulated annealing <b>2010</b> ,		5
77	Estimation of Carrier Frequency Offset for Generalized OFDMA Uplink Systems Using Particle Swarm Optimization Algorithms <b>2009</b> ,		5
76	An energy-aware data aggregation scheme for grid-based wireless sensor networks <b>2007</b> ,		5
75	An Isolation Intrusion Detection System for Hierarchical Wireless Sensor Networks. <i>Journal of Networks</i> , <b>2010</b> , 5,		5
74	An Improved Sleep Posture Recognition Based on Force Sensing Resistors. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 318-327	0.9	5
73	Lifetime Performance of an Energy Efficient Clustering Algorithm for Cluster-Based Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 455-464	0.9	5
72	Development of a Ubiquitous Emergency Medical Service System Based on Zigbee and 3.5G Wireless Communication Technologies. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 201-208	0.9	5
71	A wearable ECG apparatus for ubiquitous health care <b>2016</b> ,		5
70	Highly Reliable and Efficient Three-Layer Cloud Dispatching Architecture in the Heterogeneous Cloud Computing Environment □ <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1385	2.6	5

69	Performance of a novel evolutionary genetic-based multi-user detector for multi-carrier CDMA communication systems. <i>Soft Computing</i> , <b>2017</b> , 21, 1031-1039	3.5	4
68	Neural Network-Based Estimation for OFDM Channels <b>2015</b> ,		4
67	Improving Census Transform by High-Pass with Haar Wavelet Transform and Edge Detection. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
66	The Development of E-Bike Navigation Technology Based on an OpenStreetMap. <i>Smart Science</i> , <b>2018</b> , 6, 29-35	1.5	4
65	Design of refrigerated cargo tracking systems <b>2013</b> ,		4
64	Performance of Adaptive Vertical Handoff in Heterogeneous Networks of WLAN and WCDMA Systems <b>2009</b> ,		4
63	A Fuzzy-Based Transport Protocol for Mobile Ad Hoc Networks <b>2008</b> ,		4
62	Performance Enhancement of TCP in Dynamic Bandwidth Wired and Wireless Networks. <i>Wireless Personal Communications</i> , <b>2008</b> , 47, 399-415	1.9	4
61	A Particle Swarm Optimization Based Multiuser Detector for DS-CDMA Communication Systems <b>2006</b> ,		4
60	Performance of PTS-Based Firefly Algorithm Scheme for PAPR Reduction in SFBC MIMO-OFDM Communication Systems <b>2016</b> ,		3
59	PAPR reduction of OFDM using invasive weed optimization-based optimal peak reduction tone set selection. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2013</b> , 2013,	3.2	3
58	Performance of hybrid hopfield neural networks with EM algorithms for multiuser detection in ultra-wide-band communication systems <b>2011</b> ,		3
57	Hyperbolic Tangent HNN Multiuser Detection in DS-UWB Systems <b>2009</b> ,		3
56	Empirical analysis on the application of simulated annealing for RFID reader networks <b>2008</b> ,		3
55	Equivalence between Weight Decay Learning and Explicit Regularization to Improve Fault Tolerance of RBF <b>2008</b> ,		3
54	Using Direct Acyclic Graphs to Enhance Skeleton-Based Action Recognition with a Linear-Map Convolution Neural Network. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
53	Performance of Resource Allocation in Device-to-Device Communication Systems Based on Evolutionally Optimization Algorithms □ <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1271	2.6	3
52	Performance of multiuser detectors based on EM-like method for ultra-wideband communications systems in multipath fading channel. <i>Telecommunication Systems</i> , <b>2013</b> , 53, 213-226	2.3	2

51	Using impedance-plethysmography technique for cuffless blood pressure measurement <b>2017</b> ,		2
50	Performance evaluation of the universal filtered multi-carrier communications under various multipath fading propagation conditions <b>2017</b> ,		2
49	Performance of resource allocation in device-to-device communication systems based on particle swarm optimization <b>2017</b> ,		2
48	The wireless holter ECG system based on Zigbee <b>2014</b> ,		2
47	An adaptive capacity enhancement strategy for sector-based cellular systems. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 64, 1462-1472	2.7	2
46	Invasive weed optimization method based blind multiuser detection for MC-CDMA interference suppression over multipath fading channel <b>2010</b> ,		2
45	Research hypotheses for gender activities in mobile internet <b>2010</b> ,		2
44	Carrier frequency offsets estimation for uplink OFDMA systems using enhanced PSO and multiple access interference cancellation <b>2011</b> ,		2
43	Hierarchy-based key management for secure group communications in mobile ad hoc networks <b>2007</b> ,		2
42	Performance Improvement of Multiuser Detection Using a Genetic Algorithm in DS-CDMA UWB Systems over an Extreme NLOS Multipath Channel <b>2006</b> ,		2
41	Optimization of VoD Streaming Scheduling for IPTV Multi-channel Support. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 295-304	0.9	2
40	An Efficient Facebook Place Information Extraction Strategy. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 131-139	0.3	2
39	Analysis on an Energy Efficient Routing Algorithm for Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 786-796	0.9	2
38	A Secure Color-Code Key Exchange Protocol for Mobile Chat Application. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 54-64	0.3	2
37	Research on QoS Classification of Network Encrypted Traffic Behavior Based on Machine Learning. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1376	2.6	2
36	Performance of subcarrier allocation of D2D multicasting for wireless communication systems <b>2018</b> ,		2
35	A study of hand gesture recognition with wireless channel modeling by using wearable devices <b>2015</b> ,		1
34	Ambulance Dispatching System with Integrated Information and Communication Technologies on Cloud Environment. <i>International Journal of Grid and High Performance Computing</i> , <b>2014</b> , 6, 72-87	0.7	1

33	Energy Efficient Block Division Methods for Data Aggregation in Wireless Sensor Networks <b>2012,</b>		1
32	Performance of a data gather scheme with novel chain construction for wireless sensor networks <b>2010,</b>		1
31	Phase Error Cancellation for OFDM Systems Using Adaptive Filters <b>2010,</b>		1
30	A modified constellation extension scheme with low complexity for PAPR reduction in OFDM systems <b>2010,</b>		1
29	Performance of Energy Efficient Relay and Minimum Distance Clustering for Wireless Sensor Networks <b>2011,</b>		1
28	A Time Constraint Three-Party Encrypted Key Exchange Protocol <b>2011,</b>		1
27	An Energy Efficient Clustering for Cluster-Based Wireless Sensor Networks <b>2009,</b>		1
26	RSVP extensions for real-time services in heterogeneous wireless networks. <i>Computer Communications</i> , <b>2007</b> , 30, 2248-2257	5.1	1
25	Performance of a GA-Based Interference Canceller for MC-CDMA Communication Systems Over Frequency Selective Fading Channels <b>2006,</b>		1
24	An analysis on partial PIC multi-user detection with LMS algorithms for CDMA		1
23	An adaptive multistage parallel interference canceller for CDMA systems over Rayleigh fading channels		1
22	Activity Recognition Based on DCNN and Kinect RGB Images <b>2020,</b>		1
21	Performance on Clustering Routing for Naturally Deployed Wireless Sensor Networks. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 1-9	0.3	1
20	Performance of Power Allocation of Relay Stations for Cognitive Radio Based Cooperative Communication Systems. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 539-546	0.4	1
19	A Low-Costed Positioning System Based on Wearable Devices for Elders and Children in a Local Area. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 324-332	0.9	1
18	Design of Clinical Support Systems Using Integrated Genetic Algorithm and Support Vector Machine. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 791-798	0.9	1
17	A Novel Genetic Algorithm for Resource Allocation Optimization in Device-to-Device Communications. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 26-33	0.4	1
16	Performance of frequency resource assignment schemes for cognitive radio based cooperative communication systems <b>2016,</b>		1

15	Application of Fuzzy Logic for Adaptive Interference Canceller in CDMA Systems <b>2007</b> , 166-175		o
14	Denosing of ECG Signal with Power Line and EMG Interference Based on Ensemble Empirical Mode Decomposition. <i>Smart Innovation, Systems and Technologies</i> , <b>2019</b> , 175-182	0.5	o
13	An Efficient Indoor Positioning Method with the External Distance Variation for Wireless Networks. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1949	2.6	o
12	Maximizing Channel Capacity of 3D MIMO System via Antenna Downtilt Angle Adaptation Using a Q-learning Algorithm. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1189	2.6	o
11	A Hierarchical Road Model for Shortest Route Discovery in Vehicular Networks. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 323-331	0.9	
10	Harmony Search Algorithm Based Nearly Optimal Peak Reduction Tone Set Selection for PAPR Reduction in OFDM System. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 342-351	0.9	
9	Performance of Particle Swarm Optimization on Subcarrier Allocation for Device-to-Device Multicasting in Wireless Communication Systems. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 274-284	0.9	
8	Fault Tolerance of Connectivity Performance in CDMA-Based Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 444-454	0.9	
7	Cost-Effective Data Aggregation Method for Smart Grid. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2911	2.6	
6	Indoor Localization with Adaptive Channel Model Estimation in WiFi Networks. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 193-199	0.2	
5	Performance of Sub-optimal Searching Algorithms on PTS Phase Selections for PAPR Reduction. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 140-150	0.3	
4	An Efficient Energy Deployment Scheme of Sensor Node. <i>Lecture Notes in Electrical Engineering</i> , <b>2016</b> , 689-695	0.2	
3	Ambulance Dispatching System with Integrated Information and Communication Technologies on Cloud Environment <b>2016</b> , 769-783		
2	The use of ZigBee wireless mesh networking for implementing smart homes <b>2016</b> , 1095-1098		
1	Performance of an Energy Efficient Bandwidth Allocation for Wireless Communication Systems. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 312-322	0.9	