

Yung-Fa Huang

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.

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	Maximizing Channel Capacity of 3D MIMO System via Antenna Downtilt Angle Adaptation Using a Q-learning Algorithm. <i>Electronics (Switzerland)</i> , 2022 , 11, 1189	2.6	0
103	Cost-Effective Data Aggregation Method for Smart Grid. <i>Electronics (Switzerland)</i> , 2021 , 10, 2911	2.6	
102	Using Direct Acyclic Graphs to Enhance Skeleton-Based Action Recognition with a Linear-Map Convolution Neural Network. <i>Sensors</i> , 2021 , 21,	3.8	3
101	Research on QoS Classification of Network Encrypted Traffic Behavior Based on Machine Learning. <i>Electronics (Switzerland)</i> , 2021 , 10, 1376	2.6	2
100	Enabling NOMA in Backscatter Reconfigurable Intelligent Surfaces-Aided Systems. <i>IEEE Access</i> , 2021 , 9, 33782-33795	3.5	10
99	An Efficient Indoor Positioning Method with the External Distance Variation for Wireless Networks. <i>Electronics (Switzerland)</i> , 2021 , 10, 1949	2.6	0
98	PM Concentration Estimation Based on Image Processing Schemes and Simple Linear Regression. <i>Sensors</i> , 2020 , 20,	3.8	8
97	Improving Census Transform by High-Pass with Haar Wavelet Transform and Edge Detection. <i>Sensors</i> , 2020 , 20,	3.8	4
96	. <i>IEEE Access</i> , 2020 , 8, 84248-84257	3.5	6
95	Activity Recognition Based on DCNN and Kinect RGB Images 2020 ,		1
94	Performance of Particle Swarm Optimization on Subcarrier Allocation for Device-to-Device Multicasting in Wireless Communication Systems. <i>Lecture Notes in Computer Science</i> , 2020 , 274-284	0.9	
93	Indoor Localization with Adaptive Channel Model Estimation in WiFi Networks. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 193-199	0.2	
92	Denosing of ECG Signal with Power Line and EMG Interference Based on Ensemble Empirical Mode Decomposition. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 175-182	0.5	0
91	Performance of Sub-optimal Searching Algorithms on PTS Phase Selections for PAPR Reduction. <i>Communications in Computer and Information Science</i> , 2019 , 140-150	0.3	
90	An Efficient Facebook Place Information Extraction Strategy. <i>Communications in Computer and Information Science</i> , 2019 , 131-139	0.3	2
89	The Development of E-Bike Navigation Technology Based on an OpenStreetMap. <i>Smart Science</i> , 2018 , 6, 29-35	1.5	4
88	Performance on Clustering Routing for Naturally Deployed Wireless Sensor Networks. <i>Communications in Computer and Information Science</i> , 2018 , 1-9	0.3	1

87	Performance of Power Allocation of Relay Stations for Cognitive Radio Based Cooperative Communication Systems. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 539-546	0.4	1
86	A Low-Costed Positioning System Based on Wearable Devices for Elders and Children in a Local Area. <i>Lecture Notes in Computer Science</i> , 2018 , 324-332	0.9	1
85	A Novel Genetic Algorithm for Resource Allocation Optimization in Device-to-Device Communications. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 26-33	0.4	1
84	A Secure Color-Code Key Exchange Protocol for Mobile Chat Application. <i>Communications in Computer and Information Science</i> , 2018 , 54-64	0.3	2
83	Resource Allocation For D2D Communications With A Novel Distributed Q-Learning Algorithm In Heterogeneous Networks 2018 ,		6
82	Multi-Resident Activity Recognition in a Smart Home Using RGB Activity Image and DCNN. <i>IEEE Sensors Journal</i> , 2018 , 1-1	4	30
81	Performance of Resource Allocation in Device-to-Device Communication Systems Based on Evolutionally Optimization Algorithms <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1271	2.6	3
80	Highly Reliable and Efficient Three-Layer Cloud Dispatching Architecture in the Heterogeneous Cloud Computing Environment <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1385	2.6	5
79	Performance of subcarrier allocation of D2D multicasting for wireless communication systems 2018 ,		2
78	Performance of a novel evolutionary genetic-based multi-user detector for multi-carrier CDMA communication systems. <i>Soft Computing</i> , 2017 , 21, 1031-1039	3.5	4
77	Using impedance-plethysmography technique for cuffless blood pressure measurement 2017 ,		2
76	Performance evaluation of the universal filtered multi-carrier communications under various multipath fading propagation conditions 2017 ,		2
75	Performance of resource allocation in device-to-device communication systems based on particle swarm optimization 2017 ,		2
74	An Improved Sleep Posture Recognition Based on Force Sensing Resistors. <i>Lecture Notes in Computer Science</i> , 2017 , 318-327	0.9	5
73	A security gateway application for End-to-End M2M communications. <i>Computer Standards and Interfaces</i> , 2016 , 44, 85-93	3.5	14
72	Performance of PTS-Based Firefly Algorithm Scheme for PAPR Reduction in SFBC MIMO-OFDM Communication Systems 2016 ,		3
71	An Efficient Energy Deployment Scheme of Sensor Node. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 689-695	0.2	
70	Ambulance Dispatching System with Integrated Information and Communication Technologies on Cloud Environment 2016 , 769-783		

69	The use of ZigBee wireless mesh networking for implementing smart homes 2016 , 1095-1098		
68	A wearable ECG apparatus for ubiquitous health care 2016 ,		5
67	Performance of frequency resource assignment schemes for cognitive radio based cooperative communication systems 2016 ,		1
66	Neural Network-Based Estimation for OFDM Channels 2015 ,		4
65	Performance of Hand Gesture Recognition Based on Received Signal Strength with Weighting Signaling in Wireless Communications 2015 ,		6
64	A study of hand gesture recognition with wireless channel modeling by using wearable devices 2015 ,		1
63	Applying an Ontology to a Patrol Intrusion Detection System for Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 634748	1.7	5
62	Ambulance Dispatching System with Integrated Information and Communication Technologies on Cloud Environment. <i>International Journal of Grid and High Performance Computing</i> , 2014 , 6, 72-87	0.7	1
61	A Hierarchical Road Model for Shortest Route Discovery in Vehicular Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 323-331	0.9	
60	Harmony Search Algorithm Based Nearly Optimal Peak Reduction Tone Set Selection for PAPR Reduction in OFDM System. <i>Lecture Notes in Computer Science</i> , 2014 , 342-351	0.9	
59	The wireless holter ECG system based on Zigbee 2014 ,		2
58	Performance of an Energy Efficient Bandwidth Allocation for Wireless Communication Systems. <i>Lecture Notes in Computer Science</i> , 2014 , 312-322	0.9	
57	Performance of multiuser detectors based on EM-like method for ultra-wideband communications systems in multipath fading channel. <i>Telecommunication Systems</i> , 2013 , 53, 213-226	2.3	2
56	Design of refrigerated cargo tracking systems 2013 ,		4
55	PAPR reduction of OFDM using invasive weed optimization-based optimal peak reduction tone set selection. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	3
54	Peak-to-average power ratio reduction in orthogonal frequency division multiplexing system using differential evolution-based partial transmit sequences scheme. <i>IET Communications</i> , 2012 , 6, 1483	1.3	31
53	Energy Efficient Block Division Methods for Data Aggregation in Wireless Sensor Networks 2012 ,		1
52	An efficient energy data gathering based on grid-chain for wireless sensor networks 2012 ,		6

51	An adaptive capacity enhancement strategy for sector-based cellular systems. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 1462-1472	2.7	2
50	Performance of hybrid hopfield neural networks with EM algorithms for multiuser detection in ultra-wide-band communication systems 2011 ,		3
49	Development of a portable Linux-based ECG measurement and monitoring system. <i>Journal of Medical Systems</i> , 2011 , 35, 559-69	5.1	17
48	Performance of Energy Efficient Relay and Minimum Distance Clustering for Wireless Sensor Networks 2011 ,		1
47	Carrier frequency offsets estimation for uplink OFDMA systems using enhanced PSO and multiple access interference cancellation 2011 ,		2
46	A Time Constraint Three-Party Encrypted Key Exchange Protocol 2011 ,		1
45	A Light-Weight Ranger Intrusion Detection System on Wireless Sensor Networks 2011 ,		7
44	Invasive weed optimization method based blind multiuser detection for MC-CDMA interference suppression over multipath fading channel 2010 ,		2
43	Research hypotheses for gender activities in mobile internet 2010 ,		2
42	Performance of a data gather scheme with novel chain construction for wireless sensor networks 2010 ,		1
41	Phase Error Cancellation for OFDM Systems Using Adaptive Filters 2010 ,		1
40	Joint channel estimation and multi-user detection for MC-CDMA system using genetic algorithm and simulated annealing 2010 ,		5
39	A modified constellation extension scheme with low complexity for PAPR reduction in OFDM systems 2010 ,		1
38	Using Sharpness Image with Haar Function for Urban Atmospheric Visibility Measurement. <i>Aerosol and Air Quality Research</i> , 2010 , 10, 323-330	4.6	11
37	An Isolation Intrusion Detection System for Hierarchical Wireless Sensor Networks. <i>Journal of Networks</i> , 2010 , 5,		5
36	A Generalized Temporal and Spatial Role-Based Access Control Model. <i>Journal of Networks</i> , 2010 , 5,		6
35	Development of a Ubiquitous Emergency Medical Service System Based on Zigbee and 3.5G Wireless Communication Technologies. <i>Lecture Notes in Computer Science</i> , 2010 , 201-208	0.9	5
34	An Energy Efficient Clustering for Cluster-Based Wireless Sensor Networks 2009 ,		1

33	Performance of Adaptive Vertical Handoff in Heterogeneous Networks of WLAN and WCDMA Systems 2009 ,		4
32	Performance analysis of PSO-based parallel interference canceller for MC-CDMA communication systems. <i>European Transactions on Telecommunications</i> , 2009 , 20, 287-297		10
31	ML-Chord: A multi-layered P2P resource sharing model. <i>Journal of Network and Computer Applications</i> , 2009 , 32, 578-588	7.9	11
30	A new method for intrusion detection on hierarchical wireless sensor networks 2009 ,		16
29	A modified genetic algorithm PTS technique for PAPR reduction in OFDM systems 2009 ,		14
28	Estimation of Carrier Frequency Offset for Generalized OFDMA Uplink Systems Using Particle Swarm Optimization Algorithms 2009 ,		5
27	Hyperbolic Tangent HNN Multiuser Detection in DS-UWB Systems 2009 ,		3
26	Analysis on an Energy Efficient Routing Algorithm for Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2009 , 786-796	0.9	2
25	Atmospheric Visibility Monitoring Using Digital Image Analysis Techniques. <i>Lecture Notes in Computer Science</i> , 2009 , 1204-1211	0.9	12
24	Design of Clinical Support Systems Using Integrated Genetic Algorithm and Support Vector Machine. <i>Lecture Notes in Computer Science</i> , 2009 , 791-798	0.9	1
23	Performance of a Novel Adaptive Multistage Full Parallel Interference Canceller for CDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 1944-1951	6.8	9
22	Performance of particle swarm optimization techniques on papr reduction for OFDM systems. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008 ,	2	12
21	Empirical analysis on the application of simulated annealing for RFID reader networks 2008 ,		3
20	Equivalence between Weight Decay Learning and Explicit Regularization to Improve Fault Tolerance of RBF 2008 ,		3
19	A Fuzzy-Based Transport Protocol for Mobile Ad Hoc Networks 2008 ,		4
18	Performance of a Hierarchical Cluster-Based Wireless Sensor Network 2008 ,		9
17	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> , 2008 , 2008,	3.2	36
16	Performance Enhancement of TCP in Dynamic Bandwidth Wired and Wireless Networks. <i>Wireless Personal Communications</i> , 2008 , 47, 399-415	1.9	4

15	RSVP extensions for real-time services in heterogeneous wireless networks. <i>Computer Communications</i> , 2007 , 30, 2248-2257	5.1	1
14	A stable weight-based on-demand routing protocol for mobile ad hoc networks. <i>Information Sciences</i> , 2007 , 177, 5522-5537	7.7	30
13	A Power-Aware Multicast Routing Protocol for Mobile Ad Hoc Networks With Mobility Prediction. <i>Wireless Personal Communications</i> , 2007 , 43, 1479-1497	1.9	11
12	Energy-Aware Data Aggregation for Grid-Based Wireless Sensor Networks with a Mobile Sink. <i>Wireless Personal Communications</i> , 2007 , 43, 1539-1551	1.9	23
11	Hierarchy-based key management for secure group communications in mobile ad hoc networks 2007 ,		2
10	An energy-aware data aggregation scheme for grid-based wireless sensor networks 2007 ,		5
9	Application of Fuzzy Logic for Adaptive Interference Canceller in CDMA Systems 2007 , 166-175		0
8	Optimization of VoD Streaming Scheduling for IPTV Multi-channel Support. <i>Lecture Notes in Computer Science</i> , 2007 , 295-304	0.9	2
7	Fault Tolerance of Connectivity Performance in CDMA-Based Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2007 , 444-454	0.9	
6	Lifetime Performance of an Energy Efficient Clustering Algorithm for Cluster-Based Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2007 , 455-464	0.9	5
5	Performance of a GA-Based Interference Canceller for MC-CDMA Communication Systems Over Frequency Selective Fading Channels 2006 ,		1
4	A Particle Swarm Optimization Based Multiuser Detector for DS-CDMA Communication Systems 2006 ,		4
3	Performance Improvement of Multiuser Detection Using a Genetic Algorithm in DS-CDMA UWB Systems over an Extreme NLOS Multipath Channel 2006 ,		2
2	An analysis on partial PIC multi-user detection with LMS algorithms for CDMA		1
1	An adaptive multistage parallel interference canceller for CDMA systems over Rayleigh fading channels		1