

Ronald Y Chang

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.

82
papers

891
citations

16
h-index

27
g-index

108
ext. papers

1,144
ext. citations

4.7
avg, IF

4.52
L-index

#	Paper	IF	Citations
82	Backbone Alignment and Cascade Tiny Object Detecting Techniques for Dolphin Detection and Classification. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2021 , E104.A, 734-743	0.4	0
81	Joint Beamforming and Power Allocation for M2M/H2H Co-Existence in Green Dynamic TDD Networks: Low-Complexity Optimal Designs. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
80	Frontalization and adaptive exponential ensemble rule for deep-learning-based facial expression recognition system. <i>Signal Processing: Image Communication</i> , 2021 , 96, 116321	2.8	1
79	Semi-Supervised Learning with GANs for Device-Free Fingerprinting Indoor Localization 2020 ,		7
78	Beamforming and Power Allocation in Dynamic TDD Networks Supporting Machine-Type Communication 2020 ,		2
77	Analysis and Visualization of Deep Neural Networks in Device-Free Wi-Fi Indoor Localization. <i>IEEE Access</i> , 2019 , 7, 69379-69392	3.5	12
76	Interpreting Convolutional Neural Networks for Device-Free Wi-Fi Fingerprinting Indoor Localization via Information Visualization. <i>IEEE Access</i> , 2019 , 7, 172156-172166	3.5	7
75	Multi-Agent Distributed Beamforming With Improper Gaussian Signaling for MIMO Interference Broadcast Channels. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 136-151	9.6	4
74	Distributed Multi-Stream Beamforming in MIMO Multi-Relay Interference Networks. <i>IEEE Access</i> , 2019 , 7, 7535-7554	3.5	
73	. <i>IEEE Systems Journal</i> , 2018 , 12, 20-29	4.3	13
72	Robust in-plane and out-of-plane face detection algorithm using frontal face detector and symmetry extension. <i>Image and Vision Computing</i> , 2018 , 78, 26-41	3.7	4
71	Source and Relay Precoding for Full-Duplex MIMO Relaying With a SWIPT-Enabled Destination. <i>IEEE Communications Letters</i> , 2018 , 22, 1700-1703	3.8	10
70	Device-Free Indoor Localization Using Wi-Fi Channel State Information for Internet of Things 2018 ,		11
69	Energy-Efficient D2D Underlaid MIMO Cellular Networks with Energy Harvesting 2018 ,		3
68	. <i>IEEE Access</i> , 2018 , 6, 55074-55089	3.5	3
67	Energy-Assisted Decode-and-Forward for Energy Harvesting Cooperative Cognitive Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2017 , 3, 328-342	6.6	29
66	. <i>IEEE Access</i> , 2017 , 5, 10339-10351	3.5	17

65	Joint Mode Selection and Interference Management in Device-to-Device Communications Underlaid MIMO Cellular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1120-1134	9.6	17
64	Flipping and blending based highly robust in-plane and out-of-plane color face detection 2017 ,		1
63	A Comparative Study of Machine-Learning Indoor Localization Using FM and DVB-T Signals in Real Testbed Environments 2017 ,		3
62	Nonlinear Transceiver Designs for Full-Duplex MIMO Relay Systems. <i>IEEE Transactions on Communications</i> , 2017 , 65, 4632-4645	6.9	9
61	Device-Free Indoor People Counting Using Wi-Fi Channel State Information for Internet of Things 2017 ,		15
60	Sum-rate maximization for energy harvesting-aided D2D communications underlaid cellular networks 2017 ,		10
59	Interference-aware D2D mode selection in hybrid MIMO cellular networks 2016 ,		3
58	Machine-Learning Indoor Localization with Access Point Selection and Signal Strength Reconstruction 2016 ,		13
57	Energy-Assisted Information Detection for Simultaneous Wireless Information and Power Transfer: Performance Analysis and Case Studies. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2016 , 2, 149-159	2.8	11
56	Degrees-of-Freedom-Based Sequential Base-Station Selection in Cochannel MIMO Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 953-959	6.8	1
55	Multilayer CPW-Fed Patch Antenna on New AMC Ground Plane for 60 GHz Millimeter-Wave Communications 2016 ,		2
54	Mandarin Tone and Vowel Recognition in Cochlear Implant Users: Effects of Talker Variability and Bimodal Hearing. <i>Ear and Hearing</i> , 2016 , 37, 271-81	3.4	20
53	Adaptive coded modulation for mobility constrained indoor wireless environments 2016 ,		2
52	Noncoherent Detection of Misbehaving Relays in Decode-and-Forward Cooperative Networks. <i>IEEE Communications Letters</i> , 2015 , 19, 1536-1539	3.8	23
51	OFDM-based overlay cognitive radios with improved spectral leakage suppression for future generation communications 2015 ,		1
50	Distributed channel assignment for network MIMO: game-theoretic formulation and stochastic learning. <i>Wireless Networks</i> , 2015 , 21, 1211-1226	2.5	1
49	Design and Performance Analysis of Multirate Multicarrier Systems for Dynamic Spectrum Access. <i>IEEE Communications Letters</i> , 2015 , 19, 1177-1180	3.8	0
48	A Comparative Analysis of Secrecy Rates of Wireless Two-Way Relay Systems 2015 ,		2

47	Multi-Objective Optimization of Wireless Information and Power Transfer in Multiuser OFDMA Systems 2015 ,		2
46	Efficient image deblurring via blockwise non-blind deconvolution algorithm 2015 ,		1
45	Design and Analysis of Multichannel Slotted ALOHA for Machine-to-Machine Communication 2015 ,		26
44	Spectrum Trading in Cognitive Radio Networks Using Multistage Bayesian Game 2015 ,		1
43	A deep neural network based approach to mandarin consonant/vowel separation 2015 ,		2
42	A new frequency lowering technique for Mandarin-speaking hearing aid users 2015 ,		1
41	On network coding and modulation mapping for three-phase bidirectional relaying 2015 ,		2
40	Design of Dual-Band Microstrip Patch Antenna with Defected Ground Plane for Modern Wireless Applications 2015 ,		6
39	. <i>IEEE Transactions on Communications</i> , 2014 , 62, 2880-2893	6.9	4
38	On the Diversity of Noncoherent Distributed SpaceFrequency Coded Relay Systems With Relay Censoring. <i>IEEE Transactions on Communications</i> , 2014 , 62, 3491-3503	6.9	2
37	High-fidelity energy-efficient machine-to-machine communication 2014 ,		7
36	Distributed spectrum trading in multiple-seller cognitive radio networks 2014 ,		2
35	Self-Organized Cognitive Sensor Networks: Distributed Channel Assignment for Pervasive Sensing. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 183090	1.7	1
34	Realizing high-accuracy transmission in high-rate data broadcasting networks with heterogeneous users via cooperative communication 2014 , 25, 93-103		2
33	Contribution of bimodal hearing to lexical tone normalization in Mandarin-speaking cochlear implant users. <i>Hearing Research</i> , 2014 , 312, 1-8	3.9	13
32	Dynamic fractional frequency reuse (D-FFR) for multicell OFDMA networks using a graph framework. <i>Wireless Communications and Mobile Computing</i> , 2013 , 13, 12-27	1.9	16
31	Spectrum sharing in multi-channel cooperative cognitive radio networks: a coalitional game approach. <i>Wireless Networks</i> , 2013 , 19, 1553-1562	2.5	6
30	Diffie-Hellman key distribution in wireless multi-way relay networks 2013 ,		1

29	Joint-denoise-and-forward protocol for multi-way relay networks 2013 ,		2
28	Network Selection in Cognitive Heterogeneous Networks Using Stochastic Learning. <i>IEEE Communications Letters</i> , 2013 , 17, 2304-2307	3.8	20
27	A method for the construction of hierarchical generalized space shift keying (GSSK) modulation for unequal error protection. <i>Physical Communication</i> , 2013 , 9, 88-96	2.2	7
26	Symbol and Bit Mapping Optimization for Physical-Layer Network Coding with Pulse Amplitude Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 3956-3967	9.6	22
25	Distributed relay selection for virtual MIMO in spectral efficient broadcasting networks 2013 ,		2
24	A Reduced-Complexity Blind Detector for MIMO System Using K-Means Clustering Algorithm 2013 ,		4
23	Low-Complexity MIMO Detection Based on Post-Equalization Subspace Search. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 375-380	6.8	3
22	New Space Shift Keying Modulation with Hamming Code-Aided Constellation Design. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 2-5	5.9	50
21	Detection of space shift keying signaling in large MIMO systems 2012 ,		15
20	Bi-Space Shift Keying Modulation for MIMO Systems. <i>IEEE Communications Letters</i> , 2012 , 16, 1161-1164	3.8	23
19	A Hybrid MMSE and K-Best Detection Scheme for MIMO Systems 2012 ,		5
18	Best-First Tree Search with Probabilistic Node Ordering for MIMO Detection: Generalization and Performance-Complexity Tradeoff. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 780-789	9.6	10
17	Hierarchical Space Shift Keying for Unequal Error Protection. <i>IEEE Communications Letters</i> , 2012 , 16, 1341-1344	3.8	5
16	A* Algorithm Inspired Memory-Efficient Detection for MIMO Systems. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 508-511	5.9	5
15	Efficient Implementation of the MIMO Sphere Detector: Architecture and Complexity Analysis. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 3289-3294	6.8	
14	Energy Efficient Transmission over Space Shift Keying Modulated MIMO Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 2950-2959	6.9	25
13	Coalitional game formulation for multi-channel cooperative cognitive radio networks 2011 ,		1
12	Efficient MIMO Detection Based on Eigenspace Search with Complexity Analysis 2011 ,		2

11	Reduced-complexity sphere decoding with dimension-dependent sphere radius design 2011 ,		1
10	Efficient Tree-Search MIMO Detection with Probabilistic Node Ordering 2011 ,		3
9	Wireless Multi-party video conferencing with network coding 2009 ,		2
8	Multicell OFDMA Downlink Resource Allocation Using a Graph Framework. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 3494-3507	6.8	137
7	A Graph Approach to Dynamic Fractional Frequency Reuse (FFR) in Multi-Cell OFDMA Networks 2009 ,		108
6	A Graph-Based Approach to Multi-Cell OFDMA Downlink Resource Allocation 2008 ,		40
5	. <i>IEEE Journal on Selected Areas in Communications</i> , 2007 , 25, 657-666	14.2	31
4	Opportunistic Access with Random Subchannel Backoff (OARSB) for OFDMA Uplink 2007 ,		4
3	Performance Comparison of OFDM-TDMA and OFDMA with Cross-Layer Consideration 2006 ,		5
2	DSP implementation of successive interference cancellation (SIC) receiver for 3GPP WCDMA uplink transmission. <i>Wireless Communications and Mobile Computing</i> , 2003 , 3, 789-800	1.9	1
1	D2D with Energy Harvesting Capabilities1-20		