Ronald Y Chang

List of Publications by Citations

82	891	16	27
papers	citations	h-index	g-index
108	1,144	4.7	4.52
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
82	Multicell OFDMA Downlink Resource Allocation Using a Graphic Framework. *IEEE Transactions on Vehicular Technology*, **2009**, 58, 3494-3507	6.8	137
81	A Graph Approach to Dynamic Fractional Frequency Reuse (FFR) in Multi-Cell OFDMA Networks **2009**,		108
80	New Space Shift Keying Modulation with Hamming Code-Aided Constellation Design. *IEEE Wireless Communications Letters*, **2012**, 1, 2-5	5.9	50
79	A Graph-Based Approach to Multi-Cell OFDMA Downlink Resource Allocation **2008**,		40
78	. *IEEE Journal on Selected Areas in Communications*, **2007**, 25, 657-666	14.2	31
77	Energy-Assisted Decode-and-Forward for Energy Harvesting Cooperative Cognitive Networks. *IEEE Transactions on Cognitive Communications and Networking*, **2017**, 3, 328-342	6.6	29
76	Design and Analysis of Multichannel Slotted ALOHA for Machine-to-Machine Communication **2015**,		26
75	Energy Efficient Transmission over Space Shift Keying Modulated MIMO Channels. *IEEE Transactions on Communications*, **2012**, 60, 2950-2959	6.9	25
74	Noncoherent Detection of Misbehaving Relays in Decode-and-Forward Cooperative Networks. *IEEE Communications Letters*, **2015**, 19, 1536-1539	3.8	23
73	Bi-Space Shift Keying Modulation for MIMO Systems. *IEEE Communications Letters*, **2012**, 16, 1161-1164	3.8	23
72	Symbol and Bit Mapping Optimization for Physical-Layer Network Coding with Pulse Amplitude Modulation. *IEEE Transactions on Wireless Communications*, **2013**, 12, 3956-3967	9.6	22
71	Network Selection in Cognitive Heterogeneous Networks Using Stochastic Learning. *IEEE Communications Letters*, **2013**, 17, 2304-2307	3.8	20
70	Mandarin Tone and Vowel Recognition in Cochlear Implant Users: Effects of Talker Variability and Bimodal Hearing. *Ear and Hearing*, **2016**, 37, 271-81	3.4	20
69	. *IEEE Access*, **2017**, 5, 10339-10351	3.5	17
68	Joint Mode Selection and Interference Management in Device-to-Device Communications Underlaid MIMO Cellular Networks. *IEEE Transactions on Wireless Communications*, **2017**, 16, 1120-1134	9.6	17
67	Dynamic fractional frequency reuse (D-FFR) for multicell OFDMA networks using a graph framework. *Wireless Communications and Mobile Computing*, **2013**, 13, 12-27	1.9	16
66	Device-Free Indoor People Counting Using Wi-Fi Channel State Information for Internet of Things **2017**,		15

65	Detection of space shift keying signaling in large MIMO systems **2012**,		15
64	. *IEEE Systems Journal*, **2018**, 12, 20-29	4.3	13
63	Machine-Learning Indoor Localization with Access Point Selection and Signal Strength Reconstruction **2016**,		13
62	Contribution of bimodal hearing to lexical tone normalization in Mandarin-speaking cochlear implant users. *Hearing Research*, **2014**, 312, 1-8	3.9	13
61	Analysis and Visualization of Deep Neural Networks in Device-Free Wi-Fi Indoor Localization. *IEEE Access*, **2019**, 7, 69379-69392	3.5	12
60	Energy-Assisted Information Detection for Simultaneous Wireless Information and Power Transfer: Performance Analysis and Case Studies. *IEEE Transactions on Signal and Information Processing Over Networks*, **2016**, 2, 149-159	2.8	11
59	Device-Free Indoor Localization Using Wi-Fi Channel State Information for Internet of Things **2018**,		11
58	Source and Relay Precoding for Full-Duplex MIMO Relaying With a SWIPT-Enabled Destination. *IEEE Communications Letters*, **2018**, 22, 1700-1703	3.8	10
57	Sum-rate maximization for energy harvesting-aided D2D communications underlaid cellular networks **2017**,		10
56	Best-First Tree Search with Probabilistic Node Ordering for MIMO Detection: Generalization and Performance-Complexity Tradeoff. *IEEE Transactions on Wireless Communications*, **2012**, 11, 780-789	9.6	10
55	Nonlinear Transceiver Designs for Full-Duplex MIMO Relay Systems. *IEEE Transactions on Communications*, **2017**, 65, 4632-4645	6.9	9
54	A method for the construction of hierarchical generalized space shift keying (GSSK) modulation for unequal error protection. *Physical Communication*, **2013**, 9, 88-96	2.2	7
53	High-fidelity energy-efficient machine-to-machine communication **2014**,		7
52	Semi-Supervised Learning with GANs for Device-Free Fingerprinting Indoor Localization **2020**,		7
51	Interpreting Convolutional Neural Networks for Device-Free Wi-Fi Fingerprinting Indoor Localization via Information Visualization. *IEEE Access*, **2019**, 7, 172156-172166	3.5	7
50	Spectrum sharing in multi-channel cooperative cognitive radio networks: a coalitional game approach. *Wireless Networks*, **2013**, 19, 1553-1562	2.5	6
49	Design of Dual-Band Microstrip Patch Antenna with Defected Ground Plane for Modern Wireless Applications **2015**,		6
48	A Hybrid MMSE and K-Best Detection Scheme for MIMO Systems **2012**,		5

47	Hierarchical Space Shift Keying for Unequal Error Protection. *IEEE Communications Letters*, **2012**, 16, 1341-1344	3.8	5
46	A* Algorithm Inspired Memory-Efficient Detection for MIMO Systems. *IEEE Wireless Communications Letters*, **2012**, 1, 508-511	5.9	5
45	Performance Comparison of OFDM-TDMA and OFDMA with Cross-Layer Consideration **2006**,		5
44	Robust in-plane and out-of-plane face detection algorithm using frontal face detector and symmetry extension. *Image and Vision Computing*, **2018**, 78, 26-41	3.7	4
43	. *IEEE Transactions on Communications*, **2014**, 62, 2880-2893	6.9	4
42	A Reduced-Complexity Blind Detector for MIMO System Using K-Means Clustering Algorithm **2013**,		4
41	Opportunistic Access with Random Subchannel Backoff (OARSB) for OFDMA Uplink **2007**,		4
40	Multi-Agent Distributed Beamforming With Improper Gaussian Signaling for MIMO Interference Broadcast Channels. *IEEE Transactions on Wireless Communications*, **2019**, 18, 136-151	9.6	4
39	A Comparative Study of Machine-Learning Indoor Localization Using FM and DVB-T Signals in Real Testbed Environments **2017**,		3
38	Interference-aware D2D mode selection in hybrid MIMO cellular networks **2016**,		3
37	Low-Complexity MIMO Detection Based on Post-Equalization Subspace Search. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 375-380	6.8	3
36	Efficient Tree-Search MIMO Detection with Probabilistic Node Ordering **2011**,		3
35	Energy-Efficient D2D Underlaid MIMO Cellular Networks with Energy Harvesting **2018**,		3
34	. *IEEE Access*, **2018**, 6, 55074-55089	3.5	3
33	On the Diversity of Noncoherent Distributed Space-Frequency Coded Relay Systems With Relay Censoring. *IEEE Transactions on Communications*, **2014**, 62, 3491-3503	6.9	2
32	A Comparative Analysis of Secrecy Rates of Wireless Two-Way Relay Systems **2015**,		2
31	Joint-denoise-and-forward protocol for multi-way relay networks **2013**,		2
30	Multi-Objective Optimization of Wireless Information and Power Transfer in Multiuser OFDMA Systems **2015**,		2

29	A deep neural network based approach to mandarin consonant/vowel separation **2015**,		2
28	On network coding and modulation mapping for three-phase bidirectional relaying **2015**,		2
27	Distributed spectrum trading in multiple-seller cognitive radio networks **2014**,		2
26	Realizing high-accuracy transmission in high-rate data broadcasting networks with heterogeneous users via cooperative communication **2014**, 25, 93-103		2
25	Distributed relay selection for virtual MIMO in spectral efficient broadcasting networks **2013**,		2
24	Wireless Multi-party video conferencing with network coding **2009**,		2
23	Efficient MIMO Detection Based on Eigenspace Search with Complexity Analysis **2011**,		2
22	Beamforming and Power Allocation in Dynamic TDD Networks Supporting Machine-Type Communication **2020**,		2
21	Multilayer CPW-Fed Patch Antenna on New AMC Ground Plane for 60 GHz Millimeter-Wave Communications **2016**,		2
20	Adaptive coded modulation for mobility constrained indoor wireless environments **2016**,		2
19	OFDM-based overlay cognitive radios with improved spectral leakage suppression for future generation communications **2015**,		1
18	Distributed channel assignment for network MIMO: game-theoretic formulation and stochastic learning. *Wireless Networks*, **2015**, 21, 1211-1226	2.5	1
17	Flipping and blending based highly robust in-plane and out-of-plane color face detection **2017**,		1
16	Degrees-of-Freedom-Based Sequential Base-Station Selection in Cochannel MIMO Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 953-959	6.8	1
15	Diffie-Hellman key distribution in wireless multi-way relay networks **2013**,		1
14	Efficient image deblurring via blockwise non-blind deconvolution algorithm **2015**,		1
13	Spectrum Trading in Cognitive Radio Networks Using Multistage Bayesian Game **2015**,		1
12	A new frequency lowering technique for Mandarin-speaking hearing aid users **2015**,		1

11	Self-Organized Cognitive Sensor Networks: Distributed Channel Assignment for Pervasive Sensing. *International Journal of Distributed Sensor Networks*, **2014**, 10, 183090	1.7	1
10	Coalitional game formulation for multi-channel cooperative cognitive radio networks **2011**,		1
9	Reduced-complexity sphere decoding with dimension-dependent sphere radius design **2011**,		1
8	DSP implementation of successive interference cancellation (SIC) receiver for 3GPP WCDMA uplink transmission. *Wireless Communications and Mobile Computing*, **2003**, 3, 789-800	1.9	1
7	Joint Beamforming and Power Allocation for M2M/H2H Co-Existence in Green Dynamic TDD Networks: Low-Complexity Optimal Designs. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1
6	Frontalization and adaptive exponential ensemble rule for deep-learning-based facial expression recognition system. *Signal Processing: Image Communication*, **2021**, 96, 116321	2.8	1
5	Design and Performance Analysis of Multirate Multicarrier Systems for Dynamic Spectrum Access. *IEEE Communications Letters*, **2015**, 19, 1177-1180	3.8	0
4	Backbone Alignment and Cascade Tiny Object Detecting Techniques for Dolphin Detection and Classification. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2021**, E104.A, 734-743	0.4	0
3	Efficient Implementation of the MIMO Sphere Detector: Architecture and Complexity Analysis. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 3289-3294	6.8	
2	D2D with Energy Harvesting Capabilities1-20		
1	Distributed Multi-Stream Beamforming in MIMO Multi-Relay Interference Networks. *IEEE Access*, **2019**, 7, 7535-7554	3.5	