

Kah Chan Teh

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.

96
papers

1,460
citations

19
h-index

35
g-index

120
ext. papers

1,861
ext. citations

5.4
avg, IF

5.25
L-index

#	Paper	IF	Citations
96	Deep Non-Cooperative Spectrum Sensing over Rayleigh Fading Channel. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	3
95	Robust Deep Learning Based End-to-End Receiver for OFDM System with Non-Linear Distortion. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	0
94	Two-Tier NOMA-Based Wireless Powered Communication Networks. <i>IEEE Systems Journal</i> , 2021 , 1-10	4.3	1
93	Downlink and Uplink Intelligent Reflecting Surface Aided Networks: NOMA and OMA. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 3988-4000	9.6	22
92	Nonambiguous Image Formation for Low-Earth-Orbit SAR With Geosynchronous Illumination Based on Multireceiving and CAMP. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 348-362	8.1	7
91	Simultaneous Moving and Stationary Target Imaging for Geosynchronous Spaceborne-Airborne Bistatic SAR Based on Sparse Separation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 6722-6735	8.1	7
90	Spatial Modulation for RIS-Assisted Uplink Communication: Joint Power Allocation and Passive Beamforming Design. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	5
89	Geosynchronous Spaceborne-Airborne Bistatic SAR Imaging Based on Fast Low-Rank and Sparse Matrices Recovery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	2
88	Joint Low-Rank and Sparse Tensors Recovery for Video Synthetic Aperture Radar Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	3
87	Deep Learning-Based Joint Detection for OFDM-NOMA Scheme. <i>IEEE Communications Letters</i> , 2021 , 25, 2609-2613	3.8	3
86	Non-Orthogonal Multiple Access (NOMA) with Multiple Intelligent Reflecting Surfaces. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	8
85	Two-Step User Pairing for OFDM-Based Cooperative NOMA Systems. <i>IEEE Communications Letters</i> , 2020 , 24, 903-906	3.8	5
84	Outage Performance of Downlink IRS-Assisted NOMA Systems 2020 ,		5
83	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 6697-6708	6.8	20
82	Spatial Modulation for Dense mmWave Network with Multi-Connectivity 2019 ,		1
81	Performance Analysis of Cooperative NOMA Systems With Adaptive Mode Selection and Subchannel Allocation. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 10981-10990	6.8	3
80	Modelling and analysis for two-tier HCNs with co-tier and cross-tier separation dependencies. <i>IET Communications</i> , 2019 , 13, 2639-2648	1.3	

79	Adaptive Macro Spatial Modulation for mmWave Dense Networks. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 725-728	5.9	1
78	Spectral and Energy Efficiency Analysis for SLNR Precoding in Massive MIMO Systems With Imperfect CSI. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 4017-4027	9.6	10
77	On the Impact of Adaptive Eavesdroppers in Multi-Antenna Cellular Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 269-279	8	15
76	Mismatched filter for transmit waveform with frequency notches. <i>IET Radar, Sonar and Navigation</i> , 2018 , 12, 332-340	1.4	3
75	Physical Layer Security in Heterogeneous Networks With Pilot Attack: A Stochastic Geometry Approach. <i>IEEE Transactions on Communications</i> , 2018 , 66, 6437-6449	6.9	22
74	Nonlinear Energy Harvesting for Millimeter Wave Networks With Large-Scale Antennas. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 9488-9498	6.8	8
73	Eigensubspace method for space-time adaptive processing in the presence of non-i.i.d. clutter and array errors. <i>IET Radar, Sonar and Navigation</i> , 2018 , 12, 757-765	1.4	4
72	Joint User Pairing and Subchannel Allocation for Multisubchannel Multiuser Nonorthogonal Multiple Access Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 8238-8248	6.8	11
71	Performance of Space-Shift Keying With Buffer-Aided Amplify-and-Forward Relaying. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6899-6907	6.8	3
70	Optimal Spectrum Access and Energy Supply for Cognitive Radio Systems With Opportunistic RF Energy Harvesting. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 7114-7122	6.8	34
69	Artificial Noise Aided Physical Layer Security in Multi-Antenna Small-Cell Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 1470-1482	8	52
68	Adaptive Transmission for Cooperative NOMA System With Buffer-Aided Relaying. <i>IEEE Communications Letters</i> , 2017 , 21, 937-940	3.8	73
67	Adaptive Spatial Modulation for Uplink mmWave Communication Systems. <i>IEEE Communications Letters</i> , 2017 , 21, 2178-2181	3.8	11
66	Performance Analysis of Two-Tier HetNets With Massive MIMO and Nonuniformly Small Cell Deployment. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 10044-10054	6.8	9
65	Piecewise Nonlinear Frequency Modulation Waveform for MIMO Radar. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017 , 11, 379-390	7.5	12
64	Secrecy Throughput Maximization for MISO Multi-Eavesdropper Wiretap Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 505-515	8	19
63	Generalized Relay Selection for Improved Security in Cooperative DF Relay Networks. <i>IEEE Wireless Communications Letters</i> , 2016 , 5, 28-31	5.9	34
62	Channel Selection in Multichannel Cognitive Radio Systems Employing RF Energy Harvesting. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 457-462	6.8	26

61	Double-Modulated Frequency Modulation Waveforms for MIMO Radar. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 2024-2028	4.1	2
60	Network Sum-Rate Optimization for Multicell Massive MIMO Downlink Based on Coordinated Tilt Adaptation and Game Theory Approach. <i>IEEE Wireless Communications Letters</i> , 2016 , 5, 64-67	5.9	6
59	Dynamic Cooperative Sensing Access Policy for Energy-Harvesting Cognitive Radio Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 10137-10141	6.8	25
58	Distributed Optimization for Resilient Transmission of Confidential Information in Interference Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	2
57	Relay Selection for Secure Successive AF Relaying Networks With Untrusted Nodes. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 2466-2476	8	40
56	Enhanced Physical Layer Security in D2D Spectrum Sharing Networks. <i>IEEE Wireless Communications Letters</i> , 2016 , 1-1	5.9	32
55	Study of Three-Dimensional Beamforming Strategies in Cellular Networks With Clustered User Distribution. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 10208-10213	6.8	6
54	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 590-602	3.7	18
53	Throughput Maximization for Wireless-Powered Buffer-Aided Cooperative Relaying Systems. <i>IEEE Transactions on Communications</i> , 2016 , 64, 2299-2310	6.9	9
52	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 155-168	3.7	3
51	Throughput of Wireless-Powered Relaying Systems With Buffer-Aided Hybrid Relay. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 1-1	9.6	22
50	Performance analysis of massive multiuser multiple-input multiple-output systems with block diagonalisation. <i>IET Communications</i> , 2016 , 10, 832-838	1.3	2
49	Error probability analysis of a novel adaptive beamforming receiver for large-scale multiple-input multiple-output communication system. <i>IET Communications</i> , 2015 , 9, 291-299	1.3	2
48	Amplify-and-Forward Based Two-Way Relay ARQ System With Relay Combination. <i>IEEE Communications Letters</i> , 2015 , 19, 299-302	3.8	9
47	Performance Analysis of Two-Dimensional Massive Antenna Arrays for Future Mobile Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 5400-5405	6.8	9
46	Energy and Spectral Efficiency of Leakage-Based Precoding for Large-Scale MU-MIMO Systems. <i>IEEE Communications Letters</i> , 2015 , 19, 2041-2044	3.8	5
45	Buffer State Based Relay Selection for Buffer-Aided Cooperative Relaying Systems. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 5430-5439	9.6	79
44	Frequency coding waveform with segment LFM 2015 ,		2

43	A Semidefinite Relaxation Approach for Beamforming in Cooperative Clustered Multicell Systems With Novel Limited Feedback Scheme. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1740-1748	6.8	8
42	Diversity-multiplexing tradeoff of opportunistic relay system with multiple-antenna destination. <i>IET Communications</i> , 2014 , 8, 2563-2573	1.3	2
41	Orthogonal Frequency Diversity Waveform with Range-Doppler Optimization for MIMO Radar. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 1201-1205	3.2	18
40	Energy efficient cognitive radio network based on multiband sensing and spectrum sharing. <i>IET Communications</i> , 2014 , 8, 1499-1507	1.3	11
39	Detection and countermeasure of interference in slow FH/MFSK systems over fading channels. <i>Physical Communication</i> , 2014 , 10, 11-23	2.2	3
38	Jamming Rejection Using FFH/MFSK ML Receiver Over Fading Channels With the Presence of Timing and Frequency Offsets. <i>IEEE Transactions on Information Forensics and Security</i> , 2013 , 8, 1195-1200	8	7
37	Analysis of Transmit Antenna Selection With Switch-and-Examine Combining With Postselection at the Receiver Over Rayleigh Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 2859-2865	6.8	7
36	Energy-Efficient Joint Design of Sensing and Transmission Durations for Protection of Primary User in Cognitive Radio Systems. <i>IEEE Communications Letters</i> , 2013 , 17, 565-568	3.8	78
35	Joint Message-Passing Decoding of LDPC Codes and 2-D ISI Channels. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 675-681	2	6
34	Interference detection in slow frequency-hopped quadrature phase-shift-keying systems over fading channels. <i>IET Communications</i> , 2013 , 7, 1317-1321	1.3	1
33	Performance Analysis of Orthogonal Space-Time Block Code With Minimum-Selection Generalized Selection Combining Receiver Over Rayleigh Fading. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 1463-1467	6.8	6
32	Performance Evaluation of Maximum-Likelihood Page Detection for 2-D Interference Channel. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 2239-2242	2	4
31	An Efficient Successive Relaying Protocol for Multiple-Relay Cooperative Networks. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 1892-1899	9.6	25
30	Performance Study of Transmit Antenna Selection With Switch-and-Examine Combining Over Rayleigh Fading. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 4205-4211	6.8	11
29	Joint Iterative Detection/Decoding Scheme for Discrete Two-Dimensional Interference Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3548-3555	6.9	20
28	Secure Communication in Multiantenna Cognitive Radio Networks With Imperfect Channel State Information. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 1683-1693	4.8	97
27	Energy-Efficient Design of Sequential Channel Sensing in Cognitive Radio Networks: Optimal Sensing Strategy, Power Allocation, and Sensing Order. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 1648-1659	14.2	194
26	Performance Analysis of Two-User Cooperative Multiple Access Systems With DF Relaying and Superposition Modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 3118-3126	6.8	10

25	Analysis of MIMO Diversity With LDPC Codes Based on a Gaussian Approximation Approach Over Rayleigh Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 4650-4656	6.8	10
24	Performance and diversity analysis of decode-and-forward cooperative system over Nakagami-m fading channels. <i>Wireless Communications and Mobile Computing</i> , 2011 , 11, 742-749	1.9	6
23	Performance Analysis of LDPC Codes with Maximum-Ratio Combining Cascaded with Selection Combining over Nakagami-m Fading. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 1886-1894	9.6	14
22	Enhanced BIOlogically-inspired Spectrum Sharing for cognitive radio networks 2010 ,		6
21	Performance analysis of LDPC codes with selection diversity combining over identical and non-identical rayleigh fading channels. <i>IEEE Communications Letters</i> , 2010 , 14, 333-335	3.8	10
20	Analysis of Asynchronous Band-Limited DS-CDMA with MMSE Multiuser Detector over Generalized-k Fading Channels. <i>Wireless Personal Communications</i> , 2010 , 53, 581-590	1.9	
19	An Achievable Rate Region for the Cognitive Interference Channel With Causal Bidirectional Cooperation. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 1721-1728	6.8	4
18	Reduced-State Bahl-Cocke-Jelinek-Baviv Detector for Patterned Media Storage. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 4108-4110	2	5
17	Performance of two-way amplify-and-forward relay networks over asymmetric channels 2009 ,		3
16	Error probability analysis of FFH/MFSK receivers over frequency-selective Rician-fading channels with partial-band-noise jamming. <i>IEEE Transactions on Communications</i> , 2009 , 57, 2880-2885	6.9	17
15	Analysis of MIMO Band-Limited DS-CDMA Systems in the Presence of Multitone Jamming Over Generalized- \mathcal{K} Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 3825-3829	6.8	4
14	Pseudocoherent Detection of OOK/PPM Signals as Zero-Delay Transmitted-Reference Signals With Bandpass Downsampling for UWB Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 4141-4148	6.8	3
13	How Much Time is Needed for Qideband Spectrum Sensing?. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 5466-5471	9.6	107
12	Performance Analysis of Binned Orthogonal/Bi-Orthogonal Block Code as Dirty-Paper Code for Digital Watermarking Application. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 208-211	3.2	1
11	Reduced-Complexity Turbo Equalization for Coded Intersymbol Interference Channels Based on Local Search Algorithms. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 630-635	6.8	4
10	Performance Analysis of a Maximum-Likelihood FFH/MFSK Receiver with Partial-Band-Noise Jamming over Frequency-Selective Fading Channels. <i>IEEE Communications Letters</i> , 2008 , 12, 401-403	3.8	8
9	A Blind Adaptive MMSE Multiuser Detector over Multipath CDMA Channels and its Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 90-97	9.6	2
8	A low-complexity soft-input/soft-output multiuser detector based on local search algorithms. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 5257-5262	9.6	1

7	Performance Analysis of Blind-Adaptive-Subspace Multiuser Detectors Over Multipath Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 631-640	6.8	2
6	Interference Identification and Blind Multiuser Detection for Asynchronous CDMA Systems With Multipath Fading. <i>IEEE Transactions on Communications</i> , 2007 , 55, 2257-2260	6.9	2
5	Low-Complexity Iterative Receiver for Interleaved FDMA (IFDMA) with Cyclic Delay Diversity 2006 ,		1
4	Iterative reduced-complexity multiuser detection based on Chase decoding for synchronous turbo-coded CDMA system. <i>IEEE Journal on Selected Areas in Communications</i> , 2006 , 24, 200-208	14.2	6
3	Iterative reduced-state decoding for coded partial-response channels. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 4335-4337	2	5
2	Iterative reduced-state multiuser detection for asynchronous coded CDMA. <i>IEEE Transactions on Communications</i> , 2002 , 50, 1892-1894	6.9	4
1	Iterative multiuser detection for asynchronous CDMA with concatenated convolutional coding. <i>IEEE Journal on Selected Areas in Communications</i> , 2001 , 19, 1784-1792	14.2	5