

Kah Chan Teh

List of Publications by Citations

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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 | 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 |
| 95 | How Much Time is Needed for Qideband Spectrum Sensing?. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 5466-5471 | 9.6 | 107 |
| 94 | 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 |
| 93 | 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 |
| 92 | 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 |
| 91 | Adaptive Transmission for Cooperative NOMA System With Buffer-Aided Relaying. <i>IEEE Communications Letters</i> , 2017 , 21, 937-940 | 3.8 | 73 |
| 90 | 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 |
| 89 | 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 |
| 88 | Generalized Relay Selection for Improved Security in Cooperative DF Relay Networks. <i>IEEE Wireless Communications Letters</i> , 2016 , 5, 28-31 | 5.9 | 34 |
| 87 | 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 |
| 86 | Enhanced Physical Layer Security in D2D Spectrum Sharing Networks. <i>IEEE Wireless Communications Letters</i> , 2016 , 1-1 | 5.9 | 32 |
| 85 | 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 |
| 84 | 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 |
| 83 | An Efficient Successive Relaying Protocol for Multiple-Relay Cooperative Networks. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 1892-1899 | 9.6 | 25 |
| 82 | 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 |
| 81 | 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 |
| 80 | Throughput of Wireless-Powered Relaying Systems With Buffer-Aided Hybrid Relay. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 1-1 | 9.6 | 22 |

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| 79 | . <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 6697-6708 | 6.8 | 20 |
| 78 | Joint Iterative Detection/Decoding Scheme for Discrete Two-Dimensional Interference Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3548-3555 | 6.9 | 20 |
| 77 | Secrecy Throughput Maximization for MISO Multi-Eavesdropper Wiretap Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 505-515 | 8 | 19 |
| 76 | Orthogonal Frequency Diversity Waveform with Range-Doppler Optimization for MIMO Radar. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 1201-1205 | 3.2 | 18 |
| 75 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 590-602 | 3.7 | 18 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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} | 9.6 | 14 |
| 71 | 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 |
| 70 | Adaptive Spatial Modulation for Uplink mmWave Communication Systems. <i>IEEE Communications Letters</i> , 2017 , 21, 2178-2181 | 3.8 | 11 |
| 69 | Energy efficient cognitive radio network based on multiband sensing and spectrum sharing. <i>IET Communications</i> , 2014 , 8, 1499-1507 | 1.3 | 11 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | Amplify-and-Forward Based Two-Way Relay ARQ System With Relay Combination. <i>IEEE Communications Letters</i> , 2015 , 19, 299-302 | 3.8 | 9 |

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| 61 | 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 |
| 60 | 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 |
| 59 | Throughput Maximization for Wireless-Powered Buffer-Aided Cooperative Relaying Systems. <i>IEEE Transactions on Communications</i> , 2016 , 64, 2299-2310 | 6.9 | 9 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | Non-Orthogonal Multiple Access (NOMA) with Multiple Intelligent Reflecting Surfaces. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1 | 9.6 | 8 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | Joint Message-Passing Decoding of LDPC Codes and 2-D ISI Channels. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 675-681 | 2 | 6 |
| 47 | 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 |
| 46 | Enhanced BIOlogically-inspired Spectrum Sharing for cognitive radio networks 2010 , | | 6 |
| 45 | 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 |
| 44 | 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 |

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| 43 | 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 |
| 42 | Two-Step User Pairing for OFDM-Based Cooperative NOMA Systems. <i>IEEE Communications Letters</i> , 2020 , 24, 903-906 | 3.8 | 5 |
| 41 | Reduced-State Bahl-Cocke-Jelinek-Raviv Detector for Patterned Media Storage. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 4108-4110 | 2 | 5 |
| 40 | Iterative reduced-state decoding for coded partial-response channels. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 4335-4337 | 2 | 5 |
| 39 | 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 |
| 38 | Outage Performance of Downlink IRS-Assisted NOMA Systems 2020 , | | 5 |
| 37 | 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 |
| 36 | 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 |
| 35 | Performance Evaluation of Maximum-Likelihood Page Detection for 2-D Interference Channel. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 2239-2242 | 2 | 4 |
| 34 | Analysis of MIMO Band-Limited DS-SS Systems in the Presence of Multitone Jamming Over Generalized- α Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 3825-3829 | 6.8 | 4 |
| 33 | 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 |
| 32 | 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 |
| 31 | Iterative reduced-state multiuser detection for asynchronous coded CDMA. <i>IEEE Transactions on Communications</i> , 2002 , 50, 1892-1894 | 6.9 | 4 |
| 30 | 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 |
| 29 | Mismatched filter for transmit waveform with frequency notches. <i>IET Radar, Sonar and Navigation</i> , 2018 , 12, 332-340 | 1.4 | 3 |
| 28 | 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 |
| 27 | Detection and countermeasure of interference in slow FH/MFSK systems over fading channels. <i>Physical Communication</i> , 2014 , 10, 11-23 | 2.2 | 3 |
| 26 | Performance of two-way amplify-and-forward relay networks over asymmetric channels 2009 , | | 3 |

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| 25 | 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 |
| 24 | Deep Non-Cooperative Spectrum Sensing over Rayleigh Fading Channel. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1 | 6.8 | 3 |
| 23 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 155-168 | 3.7 | 3 |
| 22 | 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 |
| 21 | Deep Learning-Based Joint Detection for OFDM-NOMA Scheme. <i>IEEE Communications Letters</i> , 2021 , 25, 2609-2613 | 3.8 | 3 |
| 20 | 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 |
| 19 | Double-Modulated Frequency Modulation Waveforms for MIMO Radar. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 2024-2028 | 4.1 | 2 |
| 18 | Distributed Optimization for Resilient Transmission of Confidential Information in Interference Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1 | 6.8 | 2 |
| 17 | Diversity-multiplexing tradeoff of opportunistic relay system with multiple-antenna destination. <i>IET Communications</i> , 2014 , 8, 2563-2573 | 1.3 | 2 |
| 16 | Frequency coding waveform with segment LFM 2015 , | | 2 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | Performance analysis of massive multiuser multiple-input multiple-output systems with block diagonalisation. <i>IET Communications</i> , 2016 , 10, 832-838 | 1.3 | 2 |
| 11 | 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 |
| 10 | Spatial Modulation for Dense mmWave Network with Multi-Connectivity 2019 , | | 1 |
| 9 | 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 |
| 8 | 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 |

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| 7 | 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 |
| 6 | Low-Complexity Iterative Receiver for Interleaved FDMA (IFDMA) with Cyclic Delay Diversity 2006 , | | 1 |
| 5 | Two-Tier NOMA-Based Wireless Powered Communication Networks. <i>IEEE Systems Journal</i> , 2021 , 1-10 | 4.3 | 1 |
| 4 | Adaptive Macro Spatial Modulation for mmWave Dense Networks. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 725-728 | 5.9 | 1 |
| 3 | 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 |
| 2 | 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 | |
| 1 | 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 | |