

# As Madhukumar

## List of Publications by Citations

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170  
papers

1,105  
citations

16  
h-index

25  
g-index

253  
ext. papers

1,477  
ext. citations

3.6  
avg, IF

5.05  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 170 | Design and performance analysis of a signal detector based on suprathreshold stochastic resonance. <i>Signal Processing</i> , <b>2012</b> , 92, 1745-1757  | 4.4 | 65        |
| 169 | . <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2341-2354   | 6.8 | 57        |
| 168 | . <i>IEEE Access</i> , <b>2016</b> , 4, 3417-3443  | 3.5 | 54        |
| 167 | Peak-to-average power reduction using partial transmit sequences: a suboptimal approach based on dual layered phase sequencing. <i>IEEE Transactions on Broadcasting</i> , <b>2003</b> , 49, 225-231       | 4.7 | 54        |
| 166 | Particle Filtering for Acoustic Source Tracking in Impulsive Noise With Alpha-Stable Process. <i>IEEE Sensors Journal</i> , <b>2013</b> , 13, 589-600  | 4   | 37        |
| 165 | Particle Filtering and Posterior Cram r-Rao Bound for 2-D Direction of Arrival Tracking Using an Acoustic Vector Sensor. <i>IEEE Sensors Journal</i> , <b>2012</b> , 12, 363-377                           | 4   | 32        |
| 164 | Classification of Error Correcting Codes and Estimation of Interleaver Parameters in a Noisy Transmission Environment. <i>IEEE Transactions on Broadcasting</i> , <b>2017</b> , 63, 463-478                | 4.7 | 31        |
| 163 | Switching-Based Cooperative Decode-and-Forward Relaying for Hybrid FSO/RF Networks. <i>Journal of Optical Communications and Networking</i> , <b>2019</b> , 11, 267  | 4.1 | 28        |
| 162 | Genetic Algorithm Aided Proportional Fair Resource Allocation in Multicast OFDM Systems. <i>IEEE Transactions on Broadcasting</i> , <b>2015</b> , 61, 16-29  | 4.7 | 26        |
| 161 | Enhanced architecture for residue number system-based CDMA for high-rate data transmission. <i>IEEE Transactions on Wireless Communications</i> , <b>2004</b> , 3, 1363-1368                               | 9.6 | 25        |
| 160 | Capacity enhancement of a multi-user OFDM system using dynamic frequency allocation. <i>IEEE Transactions on Broadcasting</i> , <b>2003</b> , 49, 344-353  | 4.7 | 25        |
| 159 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2021</b> , 57, 1581-1599   | 3.7 | 25        |
| 158 | Parameter Estimation of Convolutional and Helical Interleavers in a Noisy Environment. <i>IEEE Access</i> , <b>2017</b> , 5, 6151-6167   | 3.5 | 24        |
| 157 | Effect of Pointing Errors on the Performance of Hybrid FSO/RF Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 131418-131434  | 3.5 | 17        |
| 156 | Outage Analysis and Finite SNR Diversity-Multiplexing Tradeoff of Hybrid-Duplex Systems for Aeronautical Communications. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 2299-2313 | 9.6 | 17        |
| 155 | Throughput Optimization in Cooperative Communications Based on Incremental Relaying. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 317-323  | 6.8 | 17        |
| 154 | Blind Reconstruction of Reed-Solomon Encoder and Interleavers Over Noisy Environment. <i>IEEE Transactions on Broadcasting</i> , <b>2018</b> , 64, 830-845   | 4.7 | 14        |

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| 153 | Parameter estimation of block and helical scan interleavers in the presence of bit errors <b>2017</b> , 60, 20-32  |     | 14 |
| 152 | NOMA-Aided UAV Communications over Correlated Rician Shadowed Fading Channels. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 1-1   | 4.8 | 13 |
| 151 | Adaptive-Combining-Based Hybrid FSO/RF Satellite Communication With and Without HAPS. <i>IEEE Access</i> , <b>2021</b> , 9, 81492-81511  | 3.5 | 13 |
| 150 | Hybrid-Duplex Communications for Multi-UAV Networks: An Outage Probability Analysis. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 1831-1835  | 3.8 | 12 |
| 149 | Performance Analysis of Fountain Codes in Multihop Relay Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 4379-4391  | 6.8 | 12 |
| 148 | Single Carrier Cyclic Prefix-Assisted CDMA System with Frequency Domain Equalization for High Data Rate Transmission. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2004</b> , 2004, 1                   | 3.2 | 12 |
| 147 | A Hybrid-Duplex System With Joint Detection for Interference-Limited UAV Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 335-348  | 6.8 | 12 |
| 146 | Spectrum sensing and modulation classification for cognitive radios using cumulants based on fractional lower order statistics. <i>AEU - International Journal of Electronics and Communications</i> , <b>2013</b> , 67, 479-490 | 2.8 | 11 |
| 145 | Performance analysis of Z-channel with relay under Rayleigh fading and discrete constellations <b>2012</b> ,   |     | 10 |
| 144 | Switching-based hybrid FSO/RF transmission for DF relaying system <b>2018</b> ,  |     | 9  |
| 143 | <b>2011</b> ,  |     | 9  |
| 142 | A Power Series Approach for Hybrid-Duplex UAV Communication Systems Under Rician Shadowed Fading. <i>IEEE Access</i> , <b>2019</b> , 7, 76949-76966  | 3.5 | 8  |
| 141 | Performance Analysis of HAPS-Based Relaying for Hybrid FSO/RF Downlink Satellite Communication <b>2020</b> ,   |     | 8  |
| 140 | Error Detection and Correction in Communication Channels Using Inverse Gray RSNS Codes. <i>IEEE Transactions on Communications</i> , <b>2011</b> , 59, 975-986   | 6.9 | 8  |
| 139 | M-ary Signaling for Ultra Wideband Communication Systems Based on Pulse Position and Orthogonal Pulse Shape Modulation <b>2007</b> ,   |     | 8  |
| 138 | Power spectral density and in-band interference power of UWB signals at narrowband systems <b>2004</b> ,   |     | 8  |
| 137 | Novel two-dimensional multistage interference cancellation scheme for uplink transmission of single carrier cyclic prefix-assisted CDMA system. <i>IET Communications</i> , <b>2003</b> , 150, 287                               |     | 8  |
| 136 | Significance of knowledge sources for a text-to-speech system for Indian languages. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>1994</b> , 19, 147-169   | 1   | 8  |

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|-----|---|-----|---|
| 135 | Design of a low complexity channel filter satisfying LDACS1 spectral mask specifications for air-to-ground communication <b>2016</b> ,  |     | 8 |
| 134 | Full-Duplex Decode-and-Forward Relay-Assisted Interference Management: A Diversity Gain Region Perspective. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 141-152                    | 6.9 | 7 |
| 133 | On the DMT of RF Energy Harvesting-Based Dynamic Decode-and-Forward Relaying. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 200-203  | 3.8 | 7 |
| 132 | On the Diversity Gain Region for the Relay Assisted Interference Management <b>2015</b> ,   |     | 7 |
| 131 | A robust symmetrical number system based parallel communication system with inherent error detection and correction. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 2742-2747 | 9.6 | 7 |
| 130 | Antenna selection technique for MIMO-OFDM systems over frequency selective Rayleigh fading channel. <i>IET Communications</i> , <b>2007</b> , 1, 458  | 1.3 | 7 |
| 129 | Matching pursuit-based tap selection technique for UWB channel equalization. <i>IEEE Communications Letters</i> , <b>2005</b> , 9, 835-837  | 3.8 | 7 |
| 128 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2020</b> , 56, 1460-1473  | 3.7 | 7 |
| 127 | NOMA-Aided Multi-UAV Communications in Full-Duplex Heterogeneous Networks. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 2755-2766  | 4.3 | 7 |
| 126 | On the Symbol Error Rate and Diversity Gain Region of the Relay-Assisted Z-channel. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 1965-1978                                 | 9.6 | 6 |
| 125 | Downlink capacity improvement and interference reduction through Reverse Frequency Allocation <b>2012</b> ,   |     | 6 |
| 124 | Femto-relays: A power efficient coverage extension mechanism for femtocells <b>2011</b> ,   |     | 6 |
| 123 | Pulse shaping functions for UWK systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 1512-1516   | 5.6 | 6 |
| 122 | MIMO Block Spread CDMA Systems for Broadband Wireless Communications. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 1987-1992  | 9.6 | 6 |
| 121 | Modulation Schemes Based on Orthogonal Pulses for Time Hopping Ultra Wideband Radio Systems <b>2007</b> ,   |     | 6 |
| 120 | Reduction of UWB interference at NB systems based on a generalized pulse waveform. <i>IEICE Electronics Express</i> , <b>2006</b> , 3, 361-367  | 0.5 | 6 |
| 119 | Hybrid-Duplex Systems for UAV Communications Under Rician Shadowed Fading <b>2018</b> ,   |     | 6 |
| 118 | Handling interference in self-organizing femtocell networks through frequency-polarization diversity. <i>Wireless Networks</i> , <b>2016</b> , 22, 383-401  | 2.5 | 5 |

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|-----|--|-----|---|
| 117 | DMT for the Relay Assisted Interference Cancellation over Nakagami-m Fading Channel <b>2015,</b>   |     | 5 |
| 116 | <b>2015,</b>   |     | 5 |
| 115 | Interference Mitigation through Cross Polarized Transmission in Femto-Macro Network. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 1940-1943  | 3.8 | 5 |
| 114 | Performance Analysis of Hybrid FSO/RF Transmission for DF Relaying System <b>2017,</b>   |     | 5 |
| 113 | Interference reduction through femto-relays. <i>IET Communications</i> , <b>2012</b> , 6, 2208   | 1.3 | 5 |
| 112 | Combining OOK with PSM Modulation for Simple Transceiver of Orthogonal Pulse-Based TH-UWB Systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2008</b> , 2008,        | 3.2 | 5 |
| 111 | Layered -space-time architecture for MIMO block spread CDMA systems. <i>IEEE Communications Letters</i> , <b>2006</b> , 10, 70-72  | 3.8 | 5 |
| 110 | A simplified transceiver structure for cyclic extended CDMA system with frequency domain equalization  |     | 5 |
| 109 | Addressing spectrum efficiency through hybrid-duplex UAV communications: Challenges and opportunities. <i>Vehicular Communications</i> , <b>2020</b> , 24, 100235                                | 5.7 | 5 |
| 108 | An Outage Probability Analysis of Full-Duplex NOMA in UAV Communications <b>2019,</b>  |     | 5 |
| 107 | Interference mitigation in Z-channel and relay-assisted Z-channel: a diversity gain region perspective. <i>Wireless Networks</i> , <b>2017</b> , 23, 51-63                                       | 2.5 | 4 |
| 106 | Interference mitigation through reverse frequency allocation in multi-tier cellular network: a downlink perspective. <i>Wireless Networks</i> , <b>2015</b> , 21, 1613-1629                      | 2.5 | 4 |
| 105 | A Hardware-Efficient Synchronization in L-DACS1 for Aeronautical Communications. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , <b>2018</b> , 26, 924-932             | 2.6 | 4 |
| 104 | Adaptive filter based blind residual self-interference cancellation in full-duplex MIMO transceivers <b>2018,</b>  |     | 4 |
| 103 | . <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 3777-3786   | 6.8 | 4 |
| 102 | Strategic device-to-device communications in backhaul-constrained wireless small cell networks <b>2014,</b>  |     | 4 |
| 101 | Non-cooperative power control and spectrum allocation in cognitive radio networks: a game theoretic perspective. <i>Wireless Communications and Mobile Computing</i> , <b>2014</b> , 14, 516-525 | 1.9 | 4 |
| 100 | <b>2011,</b>   |     | 4 |

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|----|--|-----|---|
| 99 | Particle filtering with enhanced likelihood model for underwater acoustic source DOA tracking <b>2011,</b>   |     | 4 |
| 98 | An algorithm for spectrum sensing in cognitive radio using tree-structured filter bank <b>2010,</b>  |     | 4 |
| 97 | Relaying and Power Control Strategy for 2-Hop Distributed Cooperative Communication. <i>IEEE Vehicular Technology Conference, 2008,</i>  | 0.1 | 4 |
| 96 | Performance of orthogonal based modulation schemes for TH-UWB communication systems. <i>IEICE Electronics Express, 2007, 4, 238-244</i>  | 0.5 | 4 |
| 95 | MMSE detection for high data rate UWB MIMO systems   |     | 4 |
| 94 | Residue number system-based multicarrier CDMA system for high-speed broadband wireless access. <i>IEEE Transactions on Broadcasting, 2002, 48, 46-52</i>   | 4.7 | 4 |
| 93 | Enhanced coverage through relay assisted carrier aggregation for cellular networks <b>2017, 65, 52-62</b>  |     | 3 |
| 92 | NOMA Precoding for Cognitive Overlay Dual Satellite Systems <b>2019,</b>   |     | 3 |
| 91 | Characterising the Pareto frontier of multiple access rate region: a study on the effect of decoding order on achievable performance. <i>Wireless Networks, 2015, 21, 1537-1548</i>                              | 2.5 | 3 |
| 90 | An Efficient Data-aided Synchronization in L-DACS1 for Aeronautical Communications <b>2017,</b>  |     | 3 |
| 89 | A tree-structured DFT filter bank based spectrum detector for estimation of radio channel edge frequencies in cognitive radios. <i>Physical Communication, 2013, 9, 45-60</i>                                    | 2.2 | 3 |
| 88 | A Cooperative Spectrum Sensing Technique with Dynamic Frequency Boundary Detection and Information-Entropy-Fusion for Primary User Detection. <i>Circuits, Systems, and Signal Processing, 2011, 30, 823-845</i> | 2.2 | 3 |
| 87 | A tree-structured DFT filter bank based spectrum sensor for estimation of radio channel edge frequencies in military wideband receivers <b>2010,</b>   |     | 3 |
| 86 | Decision feedback data detection in frequency domain for single carrier cyclic prefix assisted CDMA systems: A sequential quadratic programming approach <b>2009, 19, 678-692</b>                                |     | 3 |
| 85 | Incremental Code Relaying Protocol for Cooperative Communications <b>2009,</b>   |     | 3 |
| 84 | Block spreading CDMA system: a simplified scheme using despreading before equalisation for broadband uplink transmission. <i>IET Communications, 2009, 3, 666</i>  | 1.3 | 3 |
| 83 | A two-dimensional multipath channel estimator for CDMA systems with timing-offset errors. <i>IEEE Communications Letters, 2004, 8, 333-335</i>   | 3.8 | 3 |
| 82 | Impact of Cellular Interference on Uplink UAV Communications <b>2020,</b>  |     | 3 |

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|----|--|-----|---|
| 81 | Performance Analysis of Hybrid FSO/RF System with Transmit Aperture Selection <b>2020</b> ,  |     | 3 |
| 80 | Switching-Based Transmit Antenna/Aperture Selection in a MISO Hybrid FSO/RF System <b>2018</b> ,   |     | 3 |
| 79 | Efficient aviation spectrum management through dynamic frequency allocation <b>2015</b> ,  |     | 2 |
| 78 | On the diversity gain region of the dynamic decode-and-forward relay-assisted Z-channel. <i>Wireless Networks</i> , <b>2018</b> , 24, 395-407                        | 2.5 | 2 |
| 77 | A Cyclic Prefix Assisted Spectrum Sensing Method for Aeronautical Communication Systems <b>2019</b> ,  |     | 2 |
| 76 | Blind parameter estimation of turbo convolutional codes: Noisy and non-synchronized scenario <b>2019</b> , 95, 102577  |     | 2 |
| 75 | Spectrum trading in cognitive radio networks with uncertainty in primary service requirements. <i>IET Signal Processing</i> , <b>2014</b> , 8, 410-420               | 1.7 | 2 |
| 74 | Impact of Implicit Feedback Channel in Cooperative Relay Networks. <i>Wireless Personal Communications</i> , <b>2013</b> , 68, 1837-1870                             | 1.9 | 2 |
| 73 | Spectrally Efficient Packet Recovery in Delay Constrained Rateless Coded Multihop Networks. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 4462-4474 | 6.9 | 2 |
| 72 | Diversity Gain Region of Nakagami-m Faded Z-Channel. <i>Circuits, Systems, and Signal Processing</i> , <b>2017</b> , 36, 2184-2197                                   | 2.2 | 2 |
| 71 | Resource Allocation Strategy in Multiple Access Interference Channel <b>2014</b> ,   |     | 2 |
| 70 | A random finite set approach for tracking time-varying number of acoustic sources using a single acoustic vector sensor <b>2012</b> ,                                |     | 2 |
| 69 | SLAR: A smart regenerative cooperative protocol with improved power and spectral efficiency <b>2010</b> ,  |     | 2 |
| 68 | Power Spectral Analysis of Orthogonal Pulse-Based TH-UWB Signals <b>2010</b> ,   |     | 2 |
| 67 | Effects of Delay Constraints on Multihop Networks Using Rateless Codes <b>2011</b> ,   |     | 2 |
| 66 | Heuristic Antenna Selection Algorithm for Multiuser Multi-Antenna Downlink <b>2009</b> ,   |     | 2 |
| 65 | Efficient Sample Rate Conversion in Software Radio Employing Folding Number System <b>2009</b> ,   |     | 2 |
| 64 | A novel architecture for distributed spectrum sensing for cognitive radio applications <b>2009</b> ,   |     | 2 |

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| 63 | Implicit feedback assisted outage minimization for cooperative relay networks <b>2011</b> ,   |     | 2 |
| 62 | Reduced complexity analogue-to-residue conversion employing folding number system. <i>IET Circuits, Devices and Systems</i> , <b>2010</b> , 4, 30                               | 1.1 | 2 |
| 61 | Sub Optimal Antenna Selection Method for MIMO-OFDM Systems. <i>IEEE Vehicular Technology Conference</i> , <b>2007</b> ,   | 0.1 | 2 |
| 60 | Exploiting Antenna Selection Gain in IEEE 802.16 Broadband Wireless Access Systems <b>2006</b> ,  |     | 2 |
| 59 | Successive Dirty Paper Coding: New Relaying Scheme for Cooperative Networks <b>2007</b> ,   |     | 2 |
| 58 | MAC units for matched filters in DS-CDMA systems. <i>IEEE Transactions on Broadcasting</i> , <b>2002</b> , 48, 52-57  | 4.7 | 2 |
| 57 | Incremental Redundancy and Link Adaptation in Wireless Local Area Networks Using Residue Number Systems. <i>Wireless Personal Communications</i> , <b>2003</b> , 27, 321-336    | 1.9 | 2 |
| 56 | Performance of Dual-Hop Hybrid FSO/RF System with Pointing Errors Optimization <b>2020</b> ,  |     | 2 |
| 55 | Relay-assisted interference cancellation for cognitive aeronautical communication systems <b>2016</b> ,   |     | 2 |
| 54 | MIMO Hybrid FSO/RF System over Generalized Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1  | 6.8 | 2 |
| 53 | Heterogeneous Aeronautical Communications Network with Interference-Aware Detectors <b>2018</b> ,   |     | 2 |
| 52 | BER Analysis of Interference-Limited Synchronous Wireless Networks With Line-of-Sight Links. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 542-545                     | 3.8 | 1 |
| 51 | Limited Feedback Assisted Dynamic Decode-and-Forward Relaying for Multiple Access Relay Channel. <i>Wireless Personal Communications</i> , <b>2019</b> , 104, 1075-1090         | 1.9 | 1 |
| 50 | Efficient multihop transmission scheme for error-free relay forwarding in cooperative networks. <i>Wireless Communications and Mobile Computing</i> , <b>2015</b> , 15, 755-769 | 1.9 | 1 |
| 49 | Interference Cancellation Through Interference Forwarding in Relay-Assisted Systems. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2373-2384                                  | 4.3 | 1 |
| 48 | Centralised and distributed interference management in coordinated downlink beam-forming <b>2016</b> ,  |     | 1 |
| 47 | Parameter Identification of Reed-Solomon Codes over Noisy Environment <b>2017</b> ,   |     | 1 |
| 46 | DME interference mitigation for (LDACS1) based on decision-directed noise estimation <b>2015</b> ,  |     | 1 |



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| 45 | DME interference mitigation for LDACS1 based on decision-directed noise estimation <b>2015,</b>  |     | 1 |
| 44 | Efficient aviation spectrum management through dynamic frequency allocation <b>2015,</b>   |     | 1 |
| 43 | Adaptive rateless coding with feedback for cooperative relay networks <b>2012,</b>   |     | 1 |
| 42 | A robust two-stage spectrum sensing method using filter bank based energy detector and fourth order cumulants for cognitive radios <b>2012,</b>  |     | 1 |
| 41 | Spectrally efficient error free relay forwarding in cooperative multihop networks <b>2013,</b>   |     | 1 |
| 40 | Novel interference cancellation methods for BS-CDMA in uplink broadband mobile communication systems. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 560-562                             | 3.8 | 1 |
| 39 | Theoretical Capacity Analysis of TH-UWB Systems for Orthogonal Pulse Based Modulation Schemes <b>2008,</b>   |     | 1 |
| 38 | Exact outage probability analysis of distributed cooperative transmission <b>2008,</b>   |     | 1 |
| 37 | Performance Analysis of Distributed Space Time Coding: A Geometric Approach <b>2007,</b>   |     | 1 |
| 36 | Receive antenna selection for MIMO-SM systems with linear MMSE receivers in the presence of unknown interference. <i>IEEE Transactions on Wireless Communications</i> , <b>2007</b> , 6, 417-422 | 9.6 | 1 |
| 35 | Jitter Resistant Ultra Wideband Pulse Generation Based on Wavelet <b>2007,</b>   |     | 1 |
| 34 | Performance studies of a VSF-OFCDM system using a symbol relocated scheme during retransmission  |     | 1 |
| 33 | Least squares-based receive antenna selection for MIMO spatial multiplexing systems with linear receivers. <i>IEEE Communications Letters</i> , <b>2006</b> , 10, 254-256                        | 3.8 | 1 |
| 32 | Cyclic prefix assisted code division multiple access communications system: a new approach for high-rate data transmission   |     | 1 |
| 31 | Performance analysis of a DS-UWB system in the presence of narrowband interference   |     | 1 |
| 30 | An Efficient VLSI Architecture for the Computation of 1-D Discrete Wavelet Transform. <i>Journal of Signal Processing Systems</i> , <b>2002</b> , 31, 231-241                                    |     | 1 |
| 29 | Analysis of space-time coded block spread systems for CDMA downlink <b>2005,</b>   |     | 1 |
| 28 | Performance of a VSF-OFCDM system using a symbol relocated scheme during retransmission. <i>IET Communications</i> , <b>2005</b> , 152, 215  |     | 1 |

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|----|--|-----|---|
| 27 | Performance enhancement of a wavelet based multicarrier DS-CDMA system through multistage interference cancellation  |     | 1 |
| 26 | Code synchronization and path delay estimation for a CDMA system using long code masking   |     | 1 |
| 25 | Design and performance of residue number system based multicarrier CDMA in frequency-selective Rayleigh fading channels  |     | 1 |
| 24 | Throughput Optimization in Rateless Coded Cooperative Relay Networks. <i>IEICE Transactions on Communications</i> , <b>2012</b> , E95.B, 1810-1814   | 0.5 | 1 |
| 23 | Wireless Energy Harvesting-Based Relaying: A Finite-SNR Diversity-Multiplexing Tradeoff Perspective. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2020</b> , 4, 277-288                            | 4   | 1 |
| 22 | A Power-Efficient Spectrum-Sensing Scheme Using 1-Bit Quantizer and Modified Filter Banks. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , <b>2020</b> , 28, 2074-2078                           | 2.6 | 1 |
| 21 | Design and Implementation of Low Complexity Reconfigurable Filtered-OFDM-Based LDACS. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 2399-2403                                    | 3.5 | 1 |
| 20 | Joint recognition of error correcting codes and interleaver parameters in a robust environment <b>2016</b> ,   |     | 1 |
| 19 | Precoder Design for Dual Satellite System with Joint Decoding <b>2019</b> ,  |     | 1 |
| 18 | Resource allocation in multicell systems with coordinated beamforming and partial data cooperation: a study on the effect of cooperation on achievable performance. <i>Wireless Networks</i> , <b>2019</b> , 25, 1749-1762 | 2.5 | 1 |
| 17 | An Adaptive Energy Detection Scheme with Real-Time Noise Variance Estimation. <i>Circuits, Systems, and Signal Processing</i> , <b>2020</b> , 39, 2623-2647  | 2.2 | 1 |
| 16 | An Efficient Precoder Structure for Dual Satellite Systems for Ubiquitous Communication <b>2018</b> ,  |     | 1 |
| 15 | RF Energy Harvesting Based Multiple Access Relay Systems: A DMT Perspective. <i>IEEE Access</i> , <b>2018</b> , 6, 76075-76086   | 3.5 | 1 |
| 14 | Orthogonal circular polarized transmission for interference control in femto/macro networks. <i>Computer Communications</i> , <b>2015</b> , 58, 70-81  | 5.1 | 0 |
| 13 | Terrestrial Relay-Aided Cooperative High Throughput Satellite Systems. <i>International Journal of Satellite Communications and Networking</i> , <b>2020</b> , 38, 284-300   | 1.7 | 0 |
| 12 | Enhancing Data Rates of TH-UWB Systems Using M-ary OPPM-BPSM Modulation Scheme: A System Perspective. <i>Wireless Personal Communications</i> , <b>2011</b> , 56, 583-597  | 1.9 | 0 |
| 11 | Preprocessing for analog signal conversion using novel number system <b>2011</b> , 21, 150-161   |     | 0 |
| 10 | Performance optimisation for dual-hop hybrid FSO/RF system with selection combining. <i>IET Optoelectronics</i> , <b>2020</b> , 14, 422-433  | 1.5 | 0 |

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|---|---|-----|
| 9 | Analysis of heterogeneous satellite networks with multi-user detectors. <i>International Journal of Satellite Communications and Networking</i> , <b>2020</b> , 38, 254-271       | 1.7 |
| 8 | ISTBC: A spectrally efficient distributed transmission scheme using incremental redundancy with space-time block coding. <i>Physical Communication</i> , <b>2012</b> , 5, 240-252 | 2.2 |
| 7 | Low Complexity Antenna Selection Scheme for Multicarrier MIMO Broadcast Communication. <i>Journal of Signal Processing Systems</i> , <b>2011</b> , 62, 247-262                    | 1.4 |
| 6 | . <i>IEEE Transactions on Wireless Communications</i> , <b>2010</b> , 9, 1390-1401  | 9.6 |
| 5 | Estimation of CSI for LST BS-CDMA systems using special sequences with pre-defined spectral nulls. <i>IEEE Transactions on Wireless Communications</i> , <b>2010</b> , 9, 891-897 | 9.6 |
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