

As Madhukumar

List of Publications by Year in descending order

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251
papers

1,842
citations

361045

20
h-index

395343

33
g-index

253
all docs

253
docs citations

253
times ranked

1352
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and performance analysis of a signal detector based on suprathreshold stochastic resonance. <i>Signal Processing</i> , 2012, 92, 1745-1757.	2.1	101
2	Peak-to-average power reduction using partial transmit sequences: a suboptimal approach based on dual layered phase sequencing. <i>IEEE Transactions on Broadcasting</i> , 2003, 49, 225-231.	2.5	82
3	HAPS-Based Relaying for Integrated Space-Air-Ground Networks With Hybrid FSO/RF Communication: A Performance Analysis. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 1581-1599.	2.6	77
4	Cognitive Radio for Aeronautical Communications: A Survey. <i>IEEE Access</i> , 2016, 4, 3417-3443.	2.6	72
5	Stackelberg Bayesian Game for Power Allocation in Two-Tier Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 2341-2354.	3.9	68
6	Switching-Based Cooperative Decode-and-Forward Relaying for Hybrid FSO/RF Networks. <i>Journal of Optical Communications and Networking</i> , 2019, 11, 267.	3.3	58
7	Particle Filtering for Acoustic Source Tracking in Impulsive Noise With Alpha-Stable Process. <i>IEEE Sensors Journal</i> , 2013, 13, 589-600.	2.4	53
8	Classification of Error Correcting Codes and Estimation of Interleaver Parameters in a Noisy Transmission Environment. <i>IEEE Transactions on Broadcasting</i> , 2017, 63, 463-478.	2.5	53
9	Capacity enhancement of a multi-user ofdm system using dynamic frequency allocation. <i>IEEE Transactions on Broadcasting</i> , 2003, 49, 344-353.	2.5	42
10	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> , 2012, 12, 363-377.	2.4	41
11	Enhanced Architecture for Residue Number System-Based CDMA for High-Rate Data Transmission. <i>IEEE Transactions on Wireless Communications</i> , 2004, 3, 1363-1368.	6.1	37
12	Effect of Pointing Errors on the Performance of Hybrid FSO/RF Networks. <i>IEEE Access</i> , 2019, 7, 131418-131434.	2.6	37
13	Genetic Algorithm Aided Proportional Fair Resource Allocation in Multicast OFDM Systems. <i>IEEE Transactions on Broadcasting</i> , 2015, 61, 16-29.	2.5	36
14	Adaptive-Combining-Based Hybrid FSO/RF Satellite Communication With and Without HAPS. <i>IEEE Access</i> , 2021, 9, 81492-81511.	2.6	36
15	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> , 2004, 2004, 1.	1.5	32
16	Parameter Estimation of Convolutional and Helical Interleavers in a Noisy Environment. <i>IEEE Access</i> , 2017, 5, 6151-6167.	2.6	31
17	Throughput Optimization in Cooperative Communications Based on Incremental Relaying. <i>IEEE Transactions on Vehicular Technology</i> , 2011, 60, 317-323.	3.9	22
18	Blind Reconstruction of Reed-Solomon Encoder and Interleavers Over Noisy Environment. <i>IEEE Transactions on Broadcasting</i> , 2018, 64, 830-845.	2.5	22

#	ARTICLE	IF	CITATIONS
19	Outage Analysis and Finite SNR Diversity-Multiplexing Tradeoff of Hybrid-Duplex Systems for Aeronautical Communications. IEEE Transactions on Wireless Communications, 2019, 18, 2299-2313.	6.1	22
20	NOMA-aided UAV Communications over Correlated Rician Shadowed Fading Channels. IEEE Transactions on Signal Processing, 2020, , 1-1.	3.2	20
21	Performance Analysis of Fountain Codes in Multihop Relay Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 4379-4391.	3.9	19
22	A Simplified Transceiver Structure for Cyclic Extended CDMA System with Frequency Domain Equalization. , 0, , .		18
23	Parameter estimation of block and helical scan interleavers in the presence of bit errors. , 2017, 60, 20-32.		18
24	Performance Analysis of HAPS-Based Relaying for Hybrid FSO/RF Downlink Satellite Communication. , 2020, , .		17
25	Power spectral density and in-band interference power of UWB signals at narrowband systems. , 2004, , .		16
26	Error Detection and Correction in Communication Channels Using Inverse Gray RSNS Codes. IEEE Transactions on Communications, 2011, 59, 975-986.	4.9	16
27	Hybrid-Duplex Communications for Multi-UAV Networks: An Outage Probability Analysis. IEEE Communications Letters, 2019, 23, 1831-1835.	2.5	16
28	A Hybrid-Duplex System With Joint Detection for Interference-Limited UAV Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 335-348.	3.9	16
29	NOMA-Aided Multi-UAV Communications in Full-Duplex Heterogeneous Networks. IEEE Systems Journal, 2021, 15, 2755-2766.	2.9	16
30	Spectrum sensing and modulation classification for cognitive radios using cumulants based on fractional lower order statistics. AEU - International Journal of Electronics and Communications, 2013, 67, 479-490.	1.7	15
31	Switching-based hybrid FSO/RF transmission for DF relaying system. , 2018, , .		15
32	MMSE detection for high data rate UWB MIMO systems. , 0, , .		14
33	Matching pursuit-based tap selection technique for UWB channel equalization. IEEE Communications Letters, 2005, 9, 835-837.	2.5	13
34	Multi-modality likelihood based particle filtering for 2-D direction of arrival tracking using a single acoustic vector sensor. , 2011, , .		13
35	Significance of knowledge sources for a text-to-speech system for Indian languages. Sadhana - Academy Proceedings in Engineering Sciences, 1994, 19, 147-169.	0.8	12
36	Antenna selection technique for MIMO-OFDM systems over frequency selective Rayleigh fading channel. IET Communications, 2007, 1, 458.	1.5	12

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37	Performance analysis of Z-channel with relay under Rayleigh fading and discrete constellations. , 2012, , .		11
38	Interference Mitigation through Cross Polarized Transmission in Femto-Macro Network. IEEE Communications Letters, 2013, 17, 1940-1943.	2.5	11
39	Full-Duplex Decode-and-Forward Relay-Assisted Interference Management: A Diversity Gain Region Perspective. IEEE Transactions on Communications, 2016, 64, 141-152.	4.9	11
40	On the Symbol Error Rate and Diversity Gain Region of the Relay-Assisted Z-channel. IEEE Transactions on Wireless Communications, 2016, 15, 1965-1978.	6.1	11
41	On the DMT of RF Energy Harvesting-Based Dynamic Decode-and-Forward Relaying. IEEE Communications Letters, 2017, 21, 200-203.	2.5	11
42	Blind parameter estimation of turbo convolutional codes: Noisy and non-synchronized scenario. , 2019, 95, 102577.		11
43	MIMO Hybrid FSO/RF System Over Generalized Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 11565-11581.	3.9	11
44	M-ary Signaling for Ultra Wideband Communication Systems Based on Pulse Position and Orthogonal Pulse Shape Modulation. , 2007, , .		10
45	Modulation Schemes Based on Orthogonal Pulses for Time Hopping Ultra Wideband Radio Systems. , 2007, , .		10
46	Pulse shaping functions for UWK systems. IEEE Transactions on Wireless Communications, 2008, 7, 1512-1516.	6.1	10
47	Combining OOK with PSM Modulation for Simple Transceiver of Orthogonal Pulse-Based TH-UWB Systems. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	1.5	10
48	Downlink capacity improvement and interference reduction through Reverse Frequency Allocation. , 2012, , .		10
49	On the Diversity Gain Region for the Relay Assisted Interference Management. , 2015, , .		10
50	Design of a low complexity channel filter satisfying LDACS1 spectral mask specifications for air-to-ground communication. , 2016, , .		10
51	Blind Estimation of Code Parameters for Product Codes Over Noisy Channel Conditions. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1460-1473.	2.6	10
52	Novel two-dimensional multistage interference cancellation scheme for uplink transmission of single carrier cyclic prefix-assisted CDMA system. IET Communications, 2003, 150, 287.	1.0	9
53	Interference mitigation through reverse frequency allocation in multi-tier cellular network: a downlink perspective. Wireless Networks, 2015, 21, 1613-1629.	2.0	9
54	A Power Series Approach for Hybrid-Duplex UAV Communication Systems Under Rician Shadowed Fading. IEEE Access, 2019, 7, 76949-76966.	2.6	9

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55	Design and Implementation of Low Complexity Reconfigurable Filtered-OFDM-Based LDACS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2399-2403.	2.2	9
56	MIMO Block Spread CDMA Systems for Broadband Wireless Communications. IEEE Transactions on Wireless Communications, 2008, 7, 1987-1992.	6.1	8
57	Femto-relays: A power efficient coverage extension mechanism for femtocells. , 2011, , .		8
58	Performance Analysis of Hybrid FSO/RF Transmission for DF Relaying System. , 2017, , .		8
59	Hybrid-Duplex Systems for UAV Communications Under Rician Shadowed Fading. , 2018, , .		8
60	Performance investigation of STBC-OFDM systems with frequency offset and a semi-blind approach for the correction. , 0, , .		7
61	Reduction of UWB interference at NB systems based on a generalized pulse waveform. IEICE Electronics Express, 2006, 3, 361-367.	0.3	7
62	A robust symmetrical number system based parallel communication system with inherent error detection and correction. IEEE Transactions on Wireless Communications, 2009, 8, 2742-2747.	6.1	7
63	Interference reduction through femto-relays. IET Communications, 2012, 6, 2208.	1.5	7
64	Interference mitigation in Z-channel and relay-assisted Z-channel: a diversity gain region perspective. Wireless Networks, 2017, 23, 51-63.	2.0	7
65	On Joint Pareto Frontier in Multiple Access and Relay Rate Regions With Rayleigh Fading. IEEE Transactions on Vehicular Technology, 2017, 66, 3777-3786.	3.9	7
66	Switching-Based Transmit Antenna/Aperture Selection in a MISO Hybrid FSO/RF System. , 2018, , .		7
67	Performance of Dual-Hop Hybrid FSO/RF System with Pointing Errors Optimization. , 2020, , .		7
68	Residue number system-based multicarrier CDMA system for high-speed broadband wireless access. IEEE Transactions on Broadcasting, 2002, 48, 46-52.	2.5	6
69	Efficient Sample Rate Conversion in Software Radio Employing Folding Number System. , 2009, , .		6
70	Particle filtering with enhanced likelihood model for underwater acoustic source DOA tracking. , 2011, , .		6
71	DMT for the Relay Assisted Interference Cancellation over Nakagami-m Fading Channel. , 2015, , .		6
72	An Outage Probability Analysis of Full-Duplex NOMA in UAV Communications. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
73	Capacity enhancement of a multi-user OFDM system using dynamic frequency allocation. , 0, , .		5
74	Performance studies of interleaving schemes for MC-CDMA systems. , 2004, , .		5
75	Layered space-time architecture for MIMO block spread CDMA systems. IEEE Communications Letters, 2006, 10, 70-72.	2.5	5
76	Least squares-based receive antenna selection for MIMO spatial multiplexing systems with linear receivers. IEEE Communications Letters, 2006, 10, 254-256.	2.5	5
77	Performance of orthogonal based modulation schemes for TH-UWB communication systems. IEICE Electronics Express, 2007, 4, 238-244.	0.3	5
78	Relaying and Power Control Strategy for 2-Hop Distributed Cooperative Communication. IEEE Vehicular Technology Conference, 2008, , .	0.2	5
79	Incremental Code Relaying Protocol for Cooperative Communications. , 2009, , .		5
80	Reduced complexity analogue-to-residue conversion employing folding number system. IET Circuits, Devices and Systems, 2010, 4, 30.	0.9	5
81	An algorithm for spectrum sensing in cognitive radio using tree-structured filter bank. , 2010, , .		5
82	Strategic device-to-device communications in backhaul-constrained wireless small cell networks. , 2014, , .		5
83	Non-cooperative power control and spectrum allocation in cognitive radio networks: a game theoretic perspective. Wireless Communications and Mobile Computing, 2014, 14, 516-525.	0.8	5
84	Low complexity fast filter bank-based channelization in L-DACS1 for aeronautical communications. , 2015, , .		5
85	Handling interference in self-organizing femtocell networks through frequency-polarization diversity. Wireless Networks, 2016, 22, 383-401.	2.0	5
86	A Hardware-Efficient Synchronization in L-DACS1 for Aeronautical Communications. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 924-932.	2.1	5
87	Adaptive filter based blind residual self-interference cancellation in full-duplex MIMO transceivers. , 2018, , .		5
88	Addressing spectrum efficiency through hybrid-duplex UAV communications: Challenges and opportunities. Vehicular Communications, 2020, 24, 100235.	2.7	5
89	An Efficient VLSI Architecture for the Computation of 1-D Discrete Wavelet Transform. Journal of Signal Processing Systems, 2002, 31, 231-241.	1.0	4
90	A simplified coding and interleaving method for multi-band UWB systems: a performance comparison. , 0, , .		4

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91	Rapid acquisition for multiband UWB systems: CAZAC vs. barker sequences. , 0, , .		4
92	A Two-Dimensional Multipath Channel Estimator for CDMA Systems With Timing-Offset Errors. IEEE Communications Letters, 2004, 8, 333-335.	2.5	4
93	Exploiting Antenna Selection Gain in IEEE 802.16 Broadband Wireless Access Systems. , 2006, , .		4
94	Receive antenna selection for MIMO-SM systems with linear MMSE receivers in the presence of unknown interference. IEEE Transactions on Wireless Communications, 2007, 6, 417-422.	6.1	4
95	Sub Optimal Antenna Selection Method for MIMO-OFDM Systems. IEEE Vehicular Technology Conference, 2007, , .	0.2	4
96	Effects of Delay Constraints on Multihop Networks Using Rateless Codes. , 2011, , .		4
97	Underwater signal detection in partially known ocean using short acoustic vector sensor array. , 2011, , .		4
98	A Cooperative Spectrum Sensing Technique with Dynamic Frequency Boundary Detection and Information-Entropy-Fusion for Primary User Detection. Circuits, Systems, and Signal Processing, 2011, 30, 823-845.	1.2	4
99	Adaptive rateless coding with feedback for cooperative relay networks. , 2012, , .		4
100	Spectrally Efficient Packet Recovery in Delay Constrained Rateless Coded Multihop Networks. IEEE Transactions on Communications, 2013, 61, 4462-4474.	4.9	4
101	Efficient aviation spectrum management through dynamic frequency allocation. , 2015, , .		4
102	Efficient multihop transmission scheme for error-free relay forwarding in cooperative networks. Wireless Communications and Mobile Computing, 2015, 15, 755-769.	0.8	4
103	Characterising the Pareto frontier of multiple access rate region: a study on the effect of decoding order on achievable performance. Wireless Networks, 2015, 21, 1537-1548.	2.0	4
104	Relay-assisted interference cancellation for cognitive aeronautical communication systems. , 2016, , .		4
105	Enhanced coverage through relay assisted carrier aggregation for cellular networks. , 2017, 65, 52-62.		4
106	Parameter Identification of Reed-Solomon Codes over Noisy Environment. , 2017, , .		4
107	RF energy harvesting based relays: Non-orthogonal AF Vs dynamic DF. , 2017, , .		4
108	A Cyclic Prefix Assisted Spectrum Sensing Method for Aeronautical Communication Systems. , 2019, , .		4

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109	NOMA Precoding for Cognitive Overlay Dual Satellite Systems. , 2019, , .		4
110	Impact of Cellular Interference on Uplink UAV Communications. , 2020, , .		4
111	Performance enhancement of a wavelet based multicarrier DS-CDMA system through multistage interference cancellation. , 0, , .		3
112	MAC units for matched filters in DS-CDMA systems. IEEE Transactions on Broadcasting, 2002, 48, 52-57.	2.5	3
113	Space-time equalizer for advanced 3GPP WCDMA mobile terminal: experimental results. , 0, , .		3
114	A combined MMSE receiver for high data rate UWB systems. , 2004, , .		3
115	Performance analysis of a DS-UWB system in the presence of narrowband interference. , 0, , .		3
116	Applying Multistage Wiener Filter to UWB Multipath Channel Equalization Under Limited Training Sample Support. , 0, , .		3
117	Jitter Resistant Ultra Wideband Pulse Generation Based on Wavelet. , 2007, , .		3
118	Theoretical Capacity Analysis of TH-UWB Systems for Orthogonal Pulse Based Modulation Schemes. , 2008, , .		3
119	Decision feedback data detection in frequency domain for single carrier cyclic prefix assisted CDMA systems: A sequential quadratic programming approach. , 2009, 19, 678-692.		3
120	Block spreading CDMA system: a simplified scheme using despreading before equalisation for broadband uplink transmission. IET Communications, 2009, 3, 666.	1.5	3
121	SLAR: A smart regenerative cooperative protocol with improved power and spectral efficiency. , 2010, , .		3
122	Power Spectral Analysis of Orthogonal Pulse-Based TH-UWB Signals. , 2010, , .		3
123	A tree-structured DFT filter bank based spectrum sensor for estimation of radio channel edge frequencies in military wideband receivers. , 2010, , .		3
124	A random finite set approach for tracking time-varying number of acoustic sources using a single acoustic vector sensor. , 2012, , .		3
125	A tree-structured DFT filter bank based spectrum detector for estimation of radio channel edge frequencies in cognitive radios. Physical Communication, 2013, 9, 45-60.	1.2	3
126	Resource Allocation Strategy in Multiple Access Interference Channel. , 2014, , .		3

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127	DME interference mitigation for (LDACS1) based on decision-directed noise estimation. , 2015, , .		3
128	DME interference mitigation for LDACS1 based on decision-directed noise estimation. , 2015, , .		3
129	Orthogonal circular polarized transmission for interference control in femtoâ€‘macro networks. Computer Communications, 2015, 58, 70-81.	3.1	3
130	An Efficient Data-aided Synchronization in L-DACS1 for Aeronautical Communications. , 2017, , .		3
131	Performance Analysis of Hybrid FSO/RF System with Transmit Aperture Selection. , 2020, , .		3
132	Performance optimisation for dualâ€‘hop hybrid FSO/RF system with selection combining. IET Optoelectronics, 2020, 14, 422-433.	1.8	3
133	An efficient VLSI architecture for the computation of 1-D discrete wavelet transform. , 0, , .		2
134	Performance of a residue number system based DS-CDMA system over bursty communication channels. , 0, , .		2
135	Code synchronization and path delay estimation for a CDMA system using long code masking. , 0, , .		2
136	Incremental Redundancy and Link Adaptation in Wireless Local Area Networks Using Residue Number Systems. Wireless Personal Communications, 2003, 27, 321-336.	1.8	2
137	Performance studies of an over-sampling multi channel equalizer for a multi-band uvwb system. , 0, , .		2
138	Performance studies of a VSF-OFCDM system using a symbol relocated scheme during retransmission. , 0, , .		2
139	Tap Selection Based Multipath Channel Equalization For UWB Systems. , 0, , .		2
140	Successive Dirty Paper Coding: New Relaying Scheme for Cooperative Networks. , 2007, , .		2
141	A Hybrid M-Ary Modulation Scheme for Time Hopping UWB Communication Systems. , 2007, , .		2
142	Performance Analysis of Distributed Space Time Coding: A Geometric Approach. , 2007, , .		2
143	Heuristic Antenna Selection Algorithm for Multiuser Multi-Antenna Downlink. , 2009, , .		2
144	Design of Low Hardware Complexity Filter Banks for Communications Systems Employing Folding Number System. , 2009, , .		2

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145	A novel architecture for distributed spectrum sensing for cognitive radio applications. , 2009, , .		2
146	A game theoretic approach for power control and spectrum allocation for cognitive radio networks. , 2011, , .		2
147	Implicit feedback assisted outage minimization for cooperative relay networks. , 2011, , .		2
148	Impact of Implicit Feedback Channel in Cooperative Relay Networks. Wireless Personal Communications, 2013, 68, 1837-1870.	1.8	2
149	Performance limits of rateless codes in delay constrained multihop relay networks. , 2014, , .		2
150	Spectrum trading in cognitive radio networks with uncertainty in primary service requirements. IET Signal Processing, 2014, 8, 410-420.	0.9	2
151	Efficient aviation spectrum management through dynamic frequency allocation. , 2015, , .		2
152	Dynamic decode-and-forward relay-assisted interference management for spectrum efficient ground-to-air communication systems. , 2016, , .		2
153	Centralised and distributed interference management in coordinated downlink beam-forming. , 2016, , .		2
154	Diversity Gain Region of Nakagami-m Faded Z-Channel. Circuits, Systems, and Signal Processing, 2017, 36, 2184-2197.	1.2	2
155	On the diversity gain region of the dynamic decode-and-forward relay-assisted Z-channel. Wireless Networks, 2018, 24, 395-407.	2.0	2
156	Joint Reconstruction of Reed-Solomon Encoder and Convolutional Interleaver in a Noisy Environment. , 2018, , .		2
157	Heterogeneous Aeronautical Communications Network with Interference-Aware Detectors. , 2018, , .		2
158	An Efficient Precoder Structure for Dual Satellite Systems for Ubiquitous Communication. , 2018, , .		2
159	RF Energy Harvesting Based Multiple Access Relay Systems: A DMT Perspective. IEEE Access, 2018, 6, 76075-76086.	2.6	2
160	On Wireless Energy Harvesting Based Relaying for Interference-Limited User: A DMT Perspective. , 2018, , .		2
161	BER Analysis of Interference-Limited Synchronous Wireless Networks With Line-of-Sight Links. IEEE Communications Letters, 2019, 23, 542-545.	2.5	2
162	Precoder Design for Dual Satellite System with Joint Decoding. , 2019, , .		2

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163	An Adaptive Energy Detection Scheme with Real-Time Noise Variance Estimation. Circuits, Systems, and Signal Processing, 2020, 39, 2623-2647.	1.2	2
164	Terrestrial Relay-Aided Cooperative High Throughput Satellite Systems. International Journal of Satellite Communications and Networking, 2020, 38, 284-300.	1.2	2
165	Throughput Optimization in Rateless Coded Cooperative Relay Networks. IEICE Transactions on Communications, 2012, E95.B, 1810-1814.	0.4	2
166	Wavelet quantization of noisy speech using constrained Wiener filtering. , 0, , .		1
167	Residue number system based multicarrier CDMA for broadband mobile communication systems. , 0, , .		1
168	Design and performance of residue number system based multicarrier CDMA in frequency-selective Rayleigh fading channels. , 0, , .		1
169	Incorporating incremental redundancy and link adaptation in communication systems using residue number systems. , 0, , .		1
170	Performance Studies of a Residue Number System Based CDMA System over Bursty Communication Channels. Wireless Personal Communications, 2002, 22, 89-102.	1.8	1
171	Conventional quadrature mixer for impulse radio receivers- filter design issues. , 0, , .		1
172	Cyclic prefix assisted code division multiple access communications system: a new approach for high-rate data transmission. , 0, , .		1
173	Comparison of signature sequences for synchronization of UWB systems. , 0, , .		1
174	Performance evaluation of tap selection based MMSE equalization for UWB systems. IEICE Electronics Express, 2005, 2, 176-181.	0.3	1
175	Layered space-time architecture for single-carrier block extended CDMA systems. , 0, , .		1
176	Analysis of space-time coded block spread systems for CDMA downlink. , 2005, , .		1
177	Performance of a VSF-OFCDM system using a symbol relocated scheme during retransmission. IET Communications, 2005, 152, 215.	1.0	1
178	Tap Selection Based MMSE Equalization for High Data Rate UWB Communication Systems. , 0, , .		1
179	Comments on Enhanced Space Time Coded Diversity Feature of 802.16e. , 2006, , .		1
180	Receive Antenna Selection for MIMO Systems in the Presence of Unknown Interference. , 2006, , .		1

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181	On Channel Estimation for Layered Space-Time Block Spread CDMA Systems. , 0, , .		1
182	Diagonally Loaded Linear MMSE Equalization for UWB Multipath Channel Under Limited Training Sample Support. , 0, , .		1
183	Performance Analysis of Broadband Wireless Access Systems with Antenna Selection. , 2006, , .		1
184	Novel interference cancellation methods for BS-CDMA in uplink broadband mobile communication systems. IEEE Communications Letters, 2008, 12, 560-562.	2.5	1
185	Exact outage probability analysis of distributed cooperative transmission. , 2008, , .		1
186	Low Complexity Antenna Selection Scheme for Multiuser MIMO Broadcast Systems. , 2009, , .		1
187	A novel approach for preprocessing analog signal using number theoretic transform. , 2010, , .		1
188	A/D conversion based on signal decomposition for DSP applications. , 2010, , .		1
189	Low Complexity Antenna Selection Scheme for Multicarrier MIMO Broadcast Communication. Journal of Signal Processing Systems, 2011, 62, 247-262.	1.4	1
190	Enhancing Data Rates of TH-UWB Systems Using M-ary OPPM-BPSM Modulation Scheme: A System Perspective. Wireless Personal Communications, 2011, 56, 583-597.	1.8	1
191	Preprocessing for analog signal conversion using novel number system. , 2011, 21, 150-161.		1
192	Direction of arrival tracking in impulsive noise using particle filtering with fractional lower order moment likelihood. , 2011, , .		1
193	A robust two-stage spectrum sensing method using filter bank based energy detector and fourth order cumulants for cognitive radios. , 2012, , .		1
194	Spectrally efficient error free relay forwarding in cooperative multihop networks. , 2013, , .		1
195	Enhanced packet delivery in delay limited rateless coded multihop networks. , 2014, , .		1
196	Optimal algorithms for energy harvesting based systems with circuit power considerations. , 2016, , .		1
197	Joint recognition of error correcting codes and interleaver parameters in a robust environment. , 2016, , .		1
198	On the efficiency improvements to aeronautical waveforms and integrated modular avionics systems. , 2016, , .		1

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199	Interference Cancellation Through Interference Forwarding in Relay-Assisted Systems. IEEE Systems Journal, 2018, 12, 2373-2384.	2.9	1
200	Hybrid-Duplex based Control and Non-Payload Communication Systems for UAVs: An Outage Analysis. , 2018, , .		1
201	On the Performance Analysis of Hybrid-Duplex Systems for Aeronautical Communications. , 2018, , .		1
202	Limited Feedback Assisted Dynamic Decode-and-Forward Relaying for Multiple Access Relay Channel. Wireless Personal Communications, 2019, 104, 1075-1090.	1.8	1
203	Resource allocation in multicell systems with coordinated beamforming and partial data cooperation: a study on the effect of cooperation on achievable performance. Wireless Networks, 2019, 25, 1749-1762.	2.0	1
204	Wireless Energy Harvesting-Based Relaying: A Finite-SNR Diversity-Multiplexing Tradeoff Perspective. IEEE Transactions on Green Communications and Networking, 2020, 4, 277-288.	3.5	1
205	A Power-Efficient Spectrum-Sensing Scheme Using 1-Bit Quantizer and Modified Filter Banks. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 2074-2078.	2.1	1
206	Preprocessor based on suprathreshold stochastic resonance for improved bearing estimation in shallow ocean. , 2009, , .		1
207	Spectrum-Efficient Cognitive Radio Transceiver Using Multiwavelet Filters. ISRN Communications and Networking, 2012, 2012, 1-13.	0.5	1
208	Multistage interference cancellation with frequency domain equalization for uplink transmission of single carrier cyclic prefix assisted CDMA system. , 0, , .		0
209	Reduction of artifacts resulting from using coarse quantized correlators in SAR imaging. , 0, , .		0
210	Improving bandwidth efficiency for a residue number system based DS-CDMA system. , 0, , .		0
211	Performance studies of a multiband multicarrier CDMA system with a simplified receiver structure using despreader before equalizer. , 0, , .		0
212	A novel two-layered suboptimal approach to partial transmit sequences. , 0, , .		0
213	A novel approach for interference cancellation of DS-CDMA systems using projected successive overrelaxation algorithm. , 0, , .		0
214	Frequency offset correction for space-time block coded OFDM systems based on maximum likelihood estimation. , 0, , .		0
215	Weight-controlled nonlinear successive interference cancellation method for DS-CDMA systems. , 0, , .		0
216	Convergence Analysis of Weight-Controlled Nonlinear Soft Interference Cancellation Methods for DS-CDMA systems. , 0, , .		0

#	ARTICLE	IF	CITATIONS
217	Performance analysis of an over-sampling multi-channel equalization for a multi-band UWB system. , 0, , .		0
218	Energy-Based Equalization of A Non-Coherent On-Off Keying UWB System for Data Rate Enhancement. , 2007, , .		0
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221	Overlap cut frequency domain equalization for two-layer spreading CDMA uplink system. , 2007, , .		0
222	Least Squares Based Receive Antenna Selection for UWB Systems in the presence of ISI and NBI. , 2007, , .		0
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225	Performance analysis of distributed transmission schemes in cooperative random networks. IEEE Transactions on Wireless Communications, 2010, 9, 1390-1401.	6.1	0
226	Spectrally Efficient Cooperative Scheme with Implicit Feedback Assisted Transmission. , 2010, , .		0
227	Estimation of CSI for LST BS-CDMA systems using special sequences with pre-defined spectral nulls. IEEE Transactions on Wireless Communications, 2010, 9, 891-897.	6.1	0
228	Cognitive Radios in Cooperative Environment: Detection, Sensing and Clustering of Spectral Bands. , 2010, , .		0
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231	Incremental space-time block codes with error protection for cooperative relay networks. , 2012, , .		0
232	ISTBC: A spectrally efficient distributed transmission scheme using incremental redundancy with space-time block coding. Physical Communication, 2012, 5, 240-252.	1.2	0
233	Cross-Polarized Transmission for Interference Avoidance in Femto-Macro Network. , 2013, , .		0
234	Enhanced energy efficiency through self-organizing femto-relay framework. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
235	Practical Limits of Rateless Codes in Multihop Relay Networks. , 2014, , .		0
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249	Mitigating Cellular Interference in Uplink UAV Communications. , 2020, , .		0
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