

# As Madhukumar

## 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.

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	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2021</b> , 57, 1581-1599	3.7	25
169	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
168	NOMA-Aided Multi-UAV Communications in Full-Duplex Heterogeneous Networks. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 2755-2766	4.3	7
167	MIMO Hybrid FSO/RF System over Generalized Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	2
166	Transceiver design for high altitude pseudo satellite aided dual satellite systems. <i>Computer Communications</i> , <b>2021</b> , 179, 251-259	5.1	
165	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
164	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
163	Performance Analysis of HAPS-Based Relaying for Hybrid FSO/RF Downlink Satellite Communication <b>2020</b> ,		8
162	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
161	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	
160	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
159	Addressing spectrum efficiency through hybrid-duplex UAV communications: Challenges and opportunities. <i>Vehicular Communications</i> , <b>2020</b> , 24, 100235	5.7	5
158	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
157	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
156	Performance of Dual-Hop Hybrid FSO/RF System with Pointing Errors Optimization <b>2020</b> ,		2
155	Impact of Cellular Interference on Uplink UAV Communications <b>2020</b> ,		3
154	Performance Analysis of Hybrid FSO/RF System with Transmit Aperture Selection <b>2020</b> ,		3

153	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
152	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2020</b> , 56, 1460-1473	3.7	7
151	NOMA Precoding for Cognitive Overlay Dual Satellite Systems <b>2019</b> ,		3
150	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
149	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
148	Effect of Pointing Errors on the Performance of Hybrid FSO/RF Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 131418-131434	3.4	17
147	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
146	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
145	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
144	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
143	A Cyclic Prefix Assisted Spectrum Sensing Method for Aeronautical Communication Systems <b>2019</b> ,		2
142	Blind parameter estimation of turbo convolutional codes: Noisy and non-synchronized scenario <b>2019</b> , 95, 102577		2
141	Precoder Design for Dual Satellite System with Joint Decoding <b>2019</b> ,		1
140	An Outage Probability Analysis of Full-Duplex NOMA in UAV Communications <b>2019</b> ,		5
139	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
138	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
137	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
136	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

135	Interference Cancellation Through Interference Forwarding in Relay-Assisted Systems. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2373-2384	4.3	1
134	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
133	Switching-based hybrid FSO/RF transmission for DF relaying system <b>2018</b> ,		9
132	Adaptive filter based blind residual self-interference cancellation in full-duplex MIMO transceivers <b>2018</b> ,		4
131	Switching-Based Transmit Antenna/Aperture Selection in a MISO Hybrid FSO/RF System <b>2018</b> ,		3
130	Hybrid-Duplex Systems for UAV Communications Under Rician Shadowed Fading <b>2018</b> ,		6
129	Heterogeneous Aeronautical Communications Network with Interference-Aware Detectors <b>2018</b> ,		2
128	An Efficient Precoder Structure for Dual Satellite Systems for Ubiquitous Communication <b>2018</b> ,		1
127	RF Energy Harvesting Based Multiple Access Relay Systems: A DMT Perspective. <i>IEEE Access</i> , <b>2018</b> , 6, 76075-76086	3.5	1
126	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
125	Enhanced coverage through relay assisted carrier aggregation for cellular networks <b>2017</b> , 65, 52-62		3
124	Parameter Estimation of Convolutional and Helical Interleavers in a Noisy Environment. <i>IEEE Access</i> , <b>2017</b> , 5, 6151-6167	3.5	24
123	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
122	An Efficient Data-aided Synchronization in L-DACS1 for Aeronautical Communications <b>2017</b> ,		3
121	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 3777-3786	6.8	4
120	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
119	Parameter estimation of block and helical scan interleavers in the presence of bit errors <b>2017</b> , 60, 20-32		14
118	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

117	Performance Analysis of Hybrid FSO/RF Transmission for DF Relaying System <b>2017</b> ,		5
116	Parameter Identification of Reed-Solomon Codes over Noisy Environment <b>2017</b> ,		1
115	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2341-2354	6.8	57
114	Handling interference in self-organizing femtocell networks through frequency-polarization diversity. <i>Wireless Networks</i> , <b>2016</b> , 22, 383-401	2.5	5
113	Centralised and distributed interference management in coordinated downlink beam-forming <b>2016</b> ,		1
112	. <i>IEEE Access</i> , <b>2016</b> , 4, 3417-3443	3.5	54
111	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
110	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
109	Design of a low complexity channel filter satisfying LDACS1 spectral mask specifications for air-to-ground communication <b>2016</b> ,		8
108	Relay-assisted interference cancellation for cognitive aeronautical communication systems <b>2016</b> ,		2
107	Joint recognition of error correcting codes and interleaver parameters in a robust environment <b>2016</b> ,		1
106	Orthogonal circular polarized transmission for interference control in femto-macro networks. <i>Computer Communications</i> , <b>2015</b> , 58, 70-81	5.1	0
105	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
104	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
103	DMT for the Relay Assisted Interference Cancellation over Nakagami-m Fading Channel <b>2015</b> ,		5
102	<b>2015</b> ,		5
101	Efficient aviation spectrum management through dynamic frequency allocation <b>2015</b> ,		2
100	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

99	Characterising the Pareto frontier of multiple access rate region: a study on the effect of decoding order on achievable performance. <i>Wireless Networks</i> , <b>2015</b> , 21, 1537-1548	2.5	3
98	DME interference mitigation for (LDACS1) based on decision-directed noise estimation <b>2015</b> ,		1
97	On the Diversity Gain Region for the Relay Assisted Interference Management <b>2015</b> ,		7
96	DME interference mitigation for LDACS1 based on decision-directed noise estimation <b>2015</b> ,		1
95	Efficient aviation spectrum management through dynamic frequency allocation <b>2015</b> ,		1
94	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
93	Strategic device-to-device communications in backhaul-constrained wireless small cell networks <b>2014</b> ,		4
92	Resource Allocation Strategy in Multiple Access Interference Channel <b>2014</b> ,		2
91	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
90	Impact of Implicit Feedback Channel in Cooperative Relay Networks. <i>Wireless Personal Communications</i> , <b>2013</b> , 68, 1837-1870	1.9	2
89	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
88	Interference Mitigation through Cross Polarized Transmission in Femto-Macro Network. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 1940-1943	3.8	5
87	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
86	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
85	A tree-structured DFT filter bank based spectrum detector for estimation of radio channel edge frequencies in cognitive radios. <i>Physical Communication</i> , <b>2013</b> , 9, 45-60	2.2	3
84	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
83	Spectrally efficient error free relay forwarding in cooperative multihop networks <b>2013</b> ,		1
82	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

81	Interference reduction through femto-relays. <i>IET Communications</i> , <b>2012</b> , 6, 2208	1.3	5
80	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
79	Adaptive rateless coding with feedback for cooperative relay networks <b>2012</b> ,		1
78	A random finite set approach for tracking time-varying number of acoustic sources using a single acoustic vector sensor <b>2012</b> ,		2
77	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	
76	Downlink capacity improvement and interference reduction through Reverse Frequency Allocation <b>2012</b> ,		6
75	A robust two-stage spectrum sensing method using filter bank based energy detector and fourth order cumulants for cognitive radios <b>2012</b> ,		1
74	Performance analysis of Z-channel with relay under Rayleigh fading and discrete constellations <b>2012</b> ,		10
73	Throughput Optimization in Rateless Coded Cooperative Relay Networks. <i>IEICE Transactions on Communications</i> , <b>2012</b> , E95.B, 1810-1814	0.5	1
72	Spectrum-Efficient Cognitive Radio Transceiver Using Multiwavelet Filters. <i>ISRN Communications and Networking</i> , <b>2012</b> , 2012, 1-13		
71	<b>2011</b> ,		4
70	Femto-relays: A power efficient coverage extension mechanism for femtocells <b>2011</b> ,		6
69	Particle filtering with enhanced likelihood model for underwater acoustic source DOA tracking <b>2011</b> ,		4
68	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
67	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
66	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	
65	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
64	A Cooperative Spectrum Sensing Technique with Dynamic Frequency Boundary Detection and Information-Entropy-Fusion for Primary User Detection. <i>Circuits, Systems, and Signal Processing</i> , <b>2011</b> , 30, 823-845	2.2	3

63	Effects of Delay Constraints on Multihop Networks Using Rateless Codes <b>2011</b> ,		2
62	Preprocessing for analog signal conversion using novel number system <b>2011</b> , 21, 150-161		0
61	Implicit feedback assisted outage minimization for cooperative relay networks <b>2011</b> ,		2
60	<b>2011</b> ,		9
59	. <i>IEEE Transactions on Wireless Communications</i> , <b>2010</b> , 9, 1390-1401	9.6	
58	SLAR: A smart regenerative cooperative protocol with improved power and spectral efficiency <b>2010</b> ,		2
57	Power Spectral Analysis of Orthogonal Pulse-Based TH-UWB Signals <b>2010</b> ,		2
56	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	
55	A tree-structured DFT filter bank based spectrum sensor for estimation of radio channel edge frequencies in military wideband receivers <b>2010</b> ,		3
54	An algorithm for spectrum sensing in cognitive radio using tree-structured filter bank <b>2010</b> ,		4
53	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
52	Heuristic Antenna Selection Algorithm for Multiuser Multi-Antenna Downlink <b>2009</b> ,		2
51	Efficient Sample Rate Conversion in Software Radio Employing Folding Number System <b>2009</b> ,		2
50	A novel architecture for distributed spectrum sensing for cognitive radio applications <b>2009</b> ,		2
49	Decision feedback data detection in frequency domain for single carrier cyclic prefix assisted CDMA systems: A sequential quadratic programming approach <b>2009</b> , 19, 678-692		3
48	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
47	Incremental Code Relaying Protocol for Cooperative Communications <b>2009</b> ,		3
46	Block spreading CDMA system: a simplified scheme using despreading before equalisation for broadband uplink transmission. <i>IET Communications</i> , <b>2009</b> , 3, 666	1.3	3



45	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
44	Pulse shaping functions for UWK systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 1512-1516	9.6	6
43	Relaying and Power Control Strategy for 2-Hop Distributed Cooperative Communication. <i>IEEE Vehicular Technology Conference</i> , <b>2008</b> ,	0.1	4
42	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
41	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
40	Theoretical Capacity Analysis of TH-UWB Systems for Orthogonal Pulse Based Modulation Schemes <b>2008</b> ,		1
39	Exact outage probability analysis of distributed cooperative transmission <b>2008</b> ,		1
38	Sub Optimal Antenna Selection Method for MIMO-OFDM Systems. <i>IEEE Vehicular Technology Conference</i> , <b>2007</b> ,	0.1	2
37	M-ary Signaling for Ultra Wideband Communication Systems Based on Pulse Position and Orthogonal Pulse Shape Modulation <b>2007</b> ,		8
36	Successive Dirty Paper Coding: New Relaying Scheme for Cooperative Networks <b>2007</b> ,		2
35	Performance Analysis of Distributed Space Time Coding: A Geometric Approach <b>2007</b> ,		1
34	Performance of orthogonal based modulation schemes for TH-UWB communication systems. <i>IEICE Electronics Express</i> , <b>2007</b> , 4, 238-244	0.5	4
33	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
32	Modulation Schemes Based on Orthogonal Pulses for Time Hopping Ultra Wideband Radio Systems <b>2007</b> ,		6
31	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
30	Jitter Resistant Ultra Wideband Pulse Generation Based on Wavelet <b>2007</b> ,		1
29	Exploiting Antenna Selection Gain in IEEE 802.16 Broadband Wireless Access Systems <b>2006</b> ,		2
28	Layered -space-time architecture for MIMO block spread CDMA systems. <i>IEEE Communications Letters</i> , <b>2006</b> , 10, 70-72	3.8	5

27	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
26	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
25	Matching pursuit-based tap selection technique for UWB channel equalization. <i>IEEE Communications Letters</i> , <b>2005</b> , 9, 835-837	3.8	7
24	Performance evaluation of tap selection based MMSE equalization for UWB systems. <i>IEICE Electronics Express</i> , <b>2005</b> , 2, 176-181	0.5	
23	Analysis of space-time coded block spread systems for CDMA downlink <b>2005</b> ,		1
22	Performance of a VSF-OFCDM system using a symbol relocated scheme during retransmission. <i>IET Communications</i> , <b>2005</b> , 152, 215		1
21	Power spectral density and in-band interference power of UWB signals at narrowband systems <b>2004</b> ,		8
20	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
19	A two-dimensional multipath channel estimator for CDMA systems with timing-offset errors. <i>IEEE Communications Letters</i> , <b>2004</b> , 8, 333-335	3.8	3
18	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
17	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
16	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
15	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
14	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
13	Residue number system-based multicarrier CDMA system for high-speed broadband wireless access. <i>IEEE Transactions on Broadcasting</i> , <b>2002</b> , 48, 46-52	4.7	4
12	MAC units for matched filters in DS-SS systems. <i>IEEE Transactions on Broadcasting</i> , <b>2002</b> , 48, 52-57	4.7	2
11	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
10	Performance Studies of a Residue Number System Based CDMA System over Bursty Communication Channels. <i>Wireless Personal Communications</i> , <b>2002</b> , 22, 89-102	1.9	

9	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
8	Performance studies of a VSF-OFCDM system using a symbol relocated scheme during retransmission		1
7	Cyclic prefix assisted code division multiple access communications system: a new approach for high-rate data transmission		1
6	MMSE detection for high data rate UWB MIMO systems		4
5	Performance analysis of a DS-UWB system in the presence of narrowband interference		1
4	A simplified transceiver structure for cyclic extended CDMA system with frequency domain equalization		5
3	Performance enhancement of a wavelet based multicarrier DS-CDMA system through multistage interference cancellation		1
2	Code synchronization and path delay estimation for a CDMA system using long code masking		1
1	Design and performance of residue number system based multicarrier CDMA in frequency-selective Rayleigh fading channels		1