

List of Publications by Citations

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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.

94 papers	711 citations	13 h-index	21 g-index
117 ext. papers	879 ext. citations	2.4 avg, IF	4.94 L-index

#	Paper	IF	Citations
94	Microfluidic-based photocatalytic microreactor for environmental application: a review of fabrication substrates and techniques, and operating parameters. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 714-30	4.2	59
93	An efficient wavelet-based automated R-peaks detection method using Hilbert transform. <i>Biocybernetics and Biomedical Engineering</i> , 2017 , 37, 566-577	5.7	41
92	An overview of the synthesis of CuO-ZnO nanocomposite for environmental and other applications. <i>Nanotechnology Reviews</i> , 2018 , 7, 267-282	6.3	39
91	Synthesis and characterization of ZnO/CuO nanocomposite by electrochemical method. <i>Materials Science in Semiconductor Processing</i> , 2017 , 57, 173-177	4.3	28
90	Distributed voltage and frequency synchronisation control scheme for islanded inverter-based microgrid. <i>IET Smart Grid</i> , 2018 , 1, 48-56	2.7	24
89	Hierarchical Nanostructured ZnO-CuO Nanocomposite and its Photocatalytic Activity. <i>Journal of Nano Research</i> , 2015 , 35, 21-26	1	22
88	Metabolomic and chemometric study of <i>Achras sapota</i> L. fruit extracts for identification of metabolites contributing to the inhibition of α -amylase and α -glucosidase. <i>European Food Research and Technology</i> , 2016 , 242, 733-743	3.4	20
87	A Survey on Spectrum Occupancy Measurement for Cognitive Radio. <i>Wireless Personal Communications</i> , 2015 , 85, 2581-2598	1.9	19
86	In Vitro Inhibition of Key Enzymes Related to Diabetes by the Aqueous Extracts of Some Fruits of West Bengal, India. <i>Current Nutrition and Food Science</i> , 2012 , 8, 19-24	0.7	19
85	Recent trends in multiuser detection techniques for SDMA-OFDM communication system. <i>Physical Communication</i> , 2016 , 20, 93-108	2.2	18
84	Puncturing of soft gels with multi-tip needles. <i>Journal of Materials Science</i> , 2011 , 46, 2895-2904	4.3	17
83	Neural network-based adaptive multiuser detection schemes in SDMA-OFDM system for wireless application. <i>Neural Computing and Applications</i> , 2013 , 23, 1071-1082	4.8	15
82	Multiuser Detection in SDMA-OFDM Wireless Communication System Using Complex Multilayer Perceptron Neural Network. <i>Wireless Personal Communications</i> , 2014 , 77, 21-39	1.9	14
81	Copper succinate nanoparticles synthesis by electrochemical method: Effect of pH on structural, thermal and textural properties. <i>Materials Letters</i> , 2015 , 150, 130-134	3.3	13
80	Smart antenna design for wireless communication using adaptive beam-forming approach 2008 ,		13
79	Adaptive resource allocation scheme for cognitive radio vehicular ad-hoc network in the presence of primary user emulation attack. <i>IET Networks</i> , 2017 , 6, 5-13	2.8	12
78	Noise-resilient voltage and frequency synchronisation of an autonomous microgrid. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 189-200	2.5	12

77	Efficient complex radial basis function model for multiuser detection in a space division multiple access/multiple-input multiple-output orthogonal frequency division multiplexing system. <i>IEE Communications</i> , 2013 , 7, 1394-1404	1.3	12
76	Interference Mitigation in Wireless Body Area Networks Using Modified and Modulated MHP. <i>Wireless Personal Communications</i> , 2014 , 77, 1343-1361	1.9	12
75	Neural network-based multiuser detection for SDMA-OFDM system over IEEE 802.11n indoor wireless local area network channel models. <i>International Journal of Electronics</i> , 2013 , 100, 1332-1347	1.2	12
74	Evaluation of Angiotensin I-Converting Enzyme (ACE) inhibitory potential of some underutilized indigenous fruits of West Bengal using an in vitro model. <i>Fruits</i> , 2013 , 68, 499-506	0.3	12
73	Sansevieria roxburghiana Schult. & Schult. F. (Family: Asparagaceae) Attenuates Type 2 Diabetes and Its Associated Cardiomyopathy. <i>PLoS ONE</i> , 2016 , 11, e0167131	3.7	12
72	Interference Cancellation Schemes in UWB Systems Used in Wireless Personal Area Network based on Wavelet based Pulse Spectral shaping and Transmitted Reference UWB using AWGN Channel Model. <i>International Journal of Computer Applications</i> , 2010 , 2, 88-92	1.1	11
71	Electrocardiogram beat type dictionary based compressed sensing for telecardiology application. <i>Biomedical Signal Processing and Control</i> , 2019 , 47, 207-218	4.9	11
70	Antioxidant, anti-acetylcholinesterase and anti-glycosidase properties of three species of Swertia, their xanthenes and amarogentin: A comparative study. <i>Pharmacognosy Journal</i> , 2015 , 7, 117-123	1.6	10
69	Minimum symbol error rate multiuser detection using an effective invasive weed optimization for MIMO/SDMA-OFDM system. <i>International Journal of Communication Systems</i> , 2014 , 27, 3837-3854	1.7	10
68	Metabolite profiling, antioxidant activity, and glycosidase inhibition property of the mesocarp tissue extracts of sugar date palm [Phoenix sylvestris (L.) Roxb.] fruits. <i>International Journal of Food Properties</i> , 2017 , 20, 2982-2993	3	9
67	Removal of toxic hydroquinone: Comparative studies on use of iron impregnated granular activated carbon as an adsorbent and catalyst. <i>Environmental Engineering Research</i> , 2019 , 24, 474-483	3.6	9
66	Hybrid decode-amplify-forward (HDAF) scheme in distributed Alamouti-coded cooperative network. <i>International Journal of Electronics</i> , 2015 , 102, 725-741	1.2	8
65	Spectrum occupancy prediction based on functional link artificial neural network (FLANN) in ISM band. <i>Neural Computing and Applications</i> , 2018 , 29, 1363-1376	4.8	8
64	Multiple narrowband interference mitigation using hybrid Hermite pulses for body surface to external communications in UWB body area networks. <i>Wireless Networks</i> , 2017 , 23, 387-402	2.5	7
63	Phytochemical composition, β -glucuronidase inhibition, and antioxidant properties of two fractions of Piper betle leaf aqueous extract. <i>Journal of Food Biochemistry</i> , 2019 , 43, e13048	3.3	7
62	Multi-relay cooperative body surface communications in ultra-wideband body area networks. <i>Computers and Electrical Engineering</i> , 2016 , 50, 111-124	4.3	7
61	A comparison between MLP NN and RBF NN techniques for the detection of stator inter-turn fault of an induction motor 2010 ,		7
60	Synthesis and Characterization of ZnO/MgO Nanocomposite by Co-precipitation Method. <i>Smart Science</i> , 2016 , 4, 190-195	1.5	7

59	A co-operative effect of closely spaced intruding objects puncturing into a soft solid. <i>Soft Matter</i> , 2014 , 10, 6059-67	3.6	6
58	An improved EMD based ECG denoising method using adaptive switching mean filter 2017 ,		6
57	A novel approach for energy-efficient resource allocation in double threshold-based cognitive radio network. <i>International Journal of Communication Systems</i> , 2017 , 30, e3198	1.7	6
56	A comparative study of pulse shaping functions for ICI power reduction in OFDM system 2008 ,		6
55	Narrowband interference mitigation in body surface to external communication in UWB body area networks using first-order Hermite pulse. <i>International Journal of Electronics</i> , 2016 , 103, 985-1001	1.2	6
54	A novel approach for cognitive radio application in 2.4-GHz ISM band. <i>International Journal of Electronics</i> , 2017 , 104, 792-804	1.2	5
53	Induction motor stator inter-turn fault detection using wavelet transform technique 2010 ,		5
52	RAKE-MMSE Time Domain Equalizer for High Data Rate UWB Communication System 2009 ,		5
51	Neural network based multiuser detection techniques in SDMA-OFDM system 2011 ,		5
50	Hybrid approach for ECG signal enhancement using dictionary learning-based sparse representation. <i>IET Science, Measurement and Technology</i> , 2019 , 13, 381-391	1.5	4
49	Maximized Channel Capacity Based Power Allocation Technique for Multi Relay Hybrid Decode-Amplify-Forward Cooperative Network. <i>Wireless Personal Communications</i> , 2016 , 87, 663-678	1.9	4
48	Optimal resource allocation for soft decision fusion-based cooperative spectrum sensing in cognitive radio networks. <i>Computers and Electrical Engineering</i> , 2016 , 52, 362-378	4.3	4
47	Consensus-based voltage and frequency restoration scheme for inertia-less islanded microgrid with communication latency 2017 ,		4
46	Performance analysis of patient monitoring system under different routing algorithm 2014 ,		4
45	Comparison of neural based multiuser detection techniques for SDMA based wireless communication system 2012 ,		4
44	GC-MS-Based Profiling of Non-polar Metabolites and Chemometric Study of Fruits of Capsicum Species and Landraces at Different Stages of Ripening. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2020 , 26, 126-147	0.9	4
43	Hybrid Relaying in Ultra-wideband Body Area Networks. <i>Wireless Personal Communications</i> , 2016 , 86, 435-449	1.9	3
42	Profiling non-polar terpenes of rhizomes for distinguishing some Indian Curcuma species. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2019 , 13, 100207	2.6	3

41	Synthesis and characterization of copper succinate and copper oxide nanoparticles by electrochemical treatment: Optimization by Taguchi robust analysis. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 1322-1327	2.3	3
40	Performance study of hybrid decode-amplify-forward (HDAF) relaying scheme for physical layer security in wireless cooperative network. <i>International Journal of Communication Systems</i> , 2017 , 30, e3182	1.7	3
39	Reliable communication in UWB body area networks using multiple hybrid relays. <i>Wireless Networks</i> , 2017 , 23, 2555-2570	2.5	3
38	Voltage and frequency synchronization of a low voltage inverter based microgrid 2017 ,		3
37	Performance analysis of hybrid decode-amplify-forward (HDAF) relaying for improving security in cooperative wireless network 2015 ,		3
36	Performance of fuzzy logic-based slope tuning of neural equaliser for digital communication channel. <i>Neural Computing and Applications</i> , 2012 , 21, 423-432	4.8	3
35	A novel concept of embedding orthogonal basis function expansion block in a neural equalizer structure for digital communication channel. <i>Neural Computing and Applications</i> , 2012 , 21, 481-488	4.8	3
34	Interference mitigation techniques in transmitted reference UWB system used in WPANs NLOS channel environment 2010 ,		3
33	Time Domain Equalization Technique Using RAKE-MMSE Receivers for High Data Rate UWB Communication System 2009 ,		3
32	Performance Study of Discrete Wavelet Packet Based MB-OFDM System for Short Range Indoor Wireless Environment 2011 ,		3
31	RBF network based receiver design for multiuser detection in SDMA-OFDM system 2012 ,		3
30	An intelligent approach for resource allocation in the cognitive radio vehicular ad hoc network. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e3159	1.9	2
29	An intelligent resource management scheme for SDF-based cooperative spectrum sensing in the presence of primary user emulation attack. <i>Computers and Electrical Engineering</i> , 2018 , 69, 555-571	4.3	2
28	Interference-aware power allocation in soft decision fusion (SDF) based cooperative spectrum sensing 2014 ,		2
27	Power allocation for AF cooperative relaying using particle swarm optimization 2014 ,		2
26	MHP for narrowband interference mitigation in high data rate UWB body area networks 2013 ,		2
25	Performance of amplify forward and decode forward cooperative strategies for body surface communications in UWB Body Area Networks. <i>International Journal of Communication Systems</i> , 2016 , 29, 916-928	1.7	2
24	Metabolite profiling and colon cancer protective activity of cone extract. <i>Natural Product Research</i> , 2020 , 34, 599-603	2.3	2

23	Estimation of Path Loss Model for a 2.65 GHz Mobile WiMAX Network Deployed in a Sub-Urban Environment with Regression Techniques. <i>Wireless Personal Communications</i> , 2018 , 99, 283-297	1.9	2
22	Communication Delay Analysis of Consensus-based Secondary Control of Islanded Microgrid 2018 ,		2
21	Channel Models for Body Surface Communications in Ultra Wideband-Based Wireless Body Area Networks. <i>Wireless Personal Communications</i> , 2018 , 100, 1263-1275	1.9	1
20	A cooperative spectrum sensing scheme using multiobjective hybrid IWO/PSO algorithm in cognitive radio networks 2014 ,		1
19	Performance study of hybrid decode-amplify-forward (HDAF) scheme in distributed Alamouti coded cooperative network 2013 ,		1
18	Eigenvalue detection based method to mitigate PUEA in cognitive radio networks 2013 ,		1
17	Development of an empirical path loss model for a deployed 2.63GHz WiMAX network in a rural environment 2015 ,		1
16	Multiple Narrowband Interference Cancellation in High Data Rate UWB Body Area Networks using Hybrid Hermite Pulses. <i>International Journal of Wireless Information Networks</i> , 2015 , 22, 252-261	1.9	1
15	Hybrid relaying for sensor to external communication in multi relay body area networks 2015 ,		1
14	Performance enhancement of MIMO/UWB based wireless Body area network 2015 ,		1
13	Comparative performance evaluation of a new dynamic-double-threshold energy detection scheme with basic spectrum sensing techniques 2014 ,		1
12	Study of channel capacity for hybrid decode-amplify-forward (HDAF) scheme in distributed Alamouti coded cooperative network 2013 ,		1
11	Design of Adaptive Channel Equaliser on Neural Framework Using Fuzzy Logic Based Multilevel Sigmoid Slope Adaptation 2008 ,		1
10	Wavelet Sub-bands Features-based ECG Signal Quality Assessment Scheme for Computer-aided Monitoring System. <i>IETE Journal of Research</i> , 1-10	0.9	1
9	Poisson point process based performance analysis of D2D enabled heterogeneous wireless network 2016 ,		1
8	Recent Advances in Fabrication of Photocatalytic Micro-Reactor. <i>Materials Science Forum</i> , 2016 , 855, 156-167	0.4	1
7	Proposed Prediction Framework for Improving the Accuracy of Path loss Models of WiMAX Network. <i>Wireless Personal Communications</i> , 2021 , 117, 1079-1101	1.9	1
6	Assessment of shade-unshade condition and subsequently pesticide treatment on first flush tea leaf metabolites through GC/MS based metabolomics approach. <i>Cogent Food and Agriculture</i> , 2021 , 7, 1930424	1.8	1

5	Minimized SER and QOS Based Power Allocation Strategies for Multi HDAF Relay Cooperative Network. <i>Wireless Personal Communications</i> , 2017 , 96, 779-798	1.9	0
4	Effect of experimental parameters on photocatalytic degradation efficiency of TiO nanoparticles synthesized by electrochemical method towards Rhodamine B dye solution under natural sunlight.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
3	Glucose-mediated one-pot hydrothermal synthesis of hollow magnesium oxide-zinc oxide (MgO-ZnO) microspheres with enhanced natural sunlight photocatalytic activity.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
2	A Novel Transform Domain Based Hybrid Recurrent Neural Equaliser for Digital Communication Channel. <i>Lecture Notes in Electrical Engineering</i> , 2010 , 129-139	0.2	
1	Volatile profiles of three Mentha species and the effect of plant growth regulators (PGRs) on the volatile organic compounds (VOCs) in Mentha spicata. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2021 , 27, 396-410	0.9	