

Ibrahim Develi

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54
papers

360
citations

10
h-index

15
g-index

72
ext. papers

428
ext. citations

2.3
avg, IF

3.9
L-index

#	Paper	IF	Citations
54	Modelling and analysis of a power line communication system with QPSK modem for renewable smart grids. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 34, 19-28	5.1	62
53	. <i>IEEE Transactions on Communications</i> , 2019 , 67, 3154-3166	6.9	19
52	Outage Probability Analysis of Dual-Hop Decode-and-Forward Relaying Over Mixed Rayleigh and Generalized Gamma Fading Channels. <i>Wireless Personal Communications</i> , 2013 , 71, 947-954	1.9	18
51	Spatial Modulation in the Presence of I/Q Imbalance: Optimal Detector & Performance Analysis. <i>IEEE Communications Letters</i> , 2018 , 22, 1572-1575	3.8	16
50	Artificial bee colony optimization for modelling of indoor PLC channels: A case study from Turkey. <i>Electric Power Systems Research</i> , 2015 , 127, 73-79	3.5	15
49	Measurement and analysis of electromagnetic pollution generated by GSM-900 mobile phone networks in Erciyes University, Turkey. <i>Electromagnetic Biology and Medicine</i> , 2012 , 31, 404-15	2.2	13
48	An Application of Artificial Neural Network to Compute the Resonant Frequency of EShaped Compact Microstrip Antennas. <i>Journal of Electrical Engineering</i> , 2013 , 64, 317-322	0.6	13
47	Cooperative IDMA systems with regenerative relays over Weibull fading channels: outage probability and error analysis. <i>IET Communications</i> , 2017 , 11, 993-999	1.3	11
46	Computing resonant frequency of C-shaped compact microstrip antennas by using ANFIS. <i>International Journal of Electronics</i> , 2015 , 102, 407-417	1.2	11
45	Outage performance of cooperative DS-CDMA systems with best path selection over fading channels. <i>Electronics Letters</i> , 2017 , 53, 752-754	1.1	10
44	Application of multilayer perceptron networks to laser diode nonlinearity determination for radio-over-fibre mobile communications. <i>Microwave and Optical Technology Letters</i> , 2004 , 42, 425-427	1.2	10
43	A Closed-Form Approximate BEP Expression for Cooperative IDMA Systems over Multipath Nakagami- m Fading Channels. <i>IEEE Communications Letters</i> , 2016 , 20, 1599-1602	3.8	10
42	Joint Impact of I/Q Imbalance and Imperfect CSI on SM-MIMO Systems Over Generalized Beckmann Fading Channels: Optimal Detection and Cramer-Rao Bound. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3034-3046	9.6	8
41	A Closed-Form MGF Expression of Instantaneous SNR for Weibull Fading Channels. <i>Wireless Personal Communications</i> , 2014 , 77, 1605-1613	1.9	8
40	A comprehensive performance analysis of relay-aided CDMA communications over dissimilar fading channels. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 83, 339-347	2.8	7
39	Highly reliable LDPC coded data transfer in home networks by using Canete PLC channel model. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 62, 912-918	5.1	7
38	Average symbol error rate and outage probability of DS-CDMA systems with AF relaying over asymmetric fading channels. <i>Physical Communication</i> , 2017 , 23, 76-83	2.2	6

37	A New Nakagami-m Inverse CDF Approximation Based on the Use of Genetic Algorithm. <i>Wireless Personal Communications</i> , 2015 , 83, 2279-2287	1.9	6
36	SER Performance of Amplify-and-Forward Cooperative Diversity Over Asymmetric Fading Channels. <i>Wireless Personal Communications</i> , 2013 , 73, 1117-1127	1.9	6
35	Approximate expression of bit error rate in uplink MC-CDMA systems with equal gain combining. <i>Journal of Communications and Networks</i> , 2013 , 15, 25-30	4.1	6
34	Analysis of the Use of Different Decoding Schemes in LDPC Coded OFDM Systems over Indoor PLC Channels. <i>Elektronika Ir Elektrotehnika</i> , 2014 , 20,	1.7	6
33	Prediction of temperature distribution in human BEL exposed to 900 MHz mobile phone radiation using ANFIS. <i>Applied Soft Computing Journal</i> , 2015 , 37, 1029-1036	7.5	5
32	A comparative simulation study on the performance of LDPC coded communication systems over Weibull fading channels. <i>Journal of Applied Research and Technology</i> , 2016 , 14, 101-107	1.7	5
31	Performance of LDPC coded image transmission over realistic PLC channels for smart grid applications. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 62, 549-555	5.1	5
30	Determination of Optimum Antenna Number Ratio Based on Differential Evolution for MIMO Systems under Low SNR Conditions. <i>Wireless Personal Communications</i> , 2007 , 43, 1667-1673	1.9	5
29	A neuro-fuzzy computing technique for modeling laser-diode nonlinearity in a radio-over-fibre link. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2005 , 15, 329-335	1.5	5
28	Spectrum sensing in cognitive radio networks: threshold optimization and analysis. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020 , 2020,	3.2	5
27	Further performance analysis of the generalized MC DS-CDMA system in Nakagami-m fading channels. <i>Computers and Electrical Engineering</i> , 2009 , 35, 1-8	4.3	4
26	Differential evolution based prediction of rain attenuation over a LOS terrestrial link situated in the southern United Kingdom. <i>Radio Science</i> , 2007 , 42, n/a-n/a	1.4	4
25	A simple and useful approach for the determination process of the weighted despreading sequences in a DS-CDMA system. <i>European Transactions on Telecommunications</i> , 2003 , 14, 361-366		4
24	Optimum antenna configuration in MIMO systems: a differential evolution based approach. <i>Wireless Communications and Mobile Computing</i> , 2012 , 12, 473-480	1.9	3
23	Multiuser communications for broadband indoor power line channels using IDMA technology 2013 ,		3
22	High-order exponential approximations for the Gaussian Q-function obtained by genetic algorithm. <i>International Journal of Electronics</i> , 2013 , 100, 553-562	1.2	3
21	LDPC coded OFDM systems over broadband indoor power line channels: A performance analysis 2013 ,		3
20	A new approach to random interleavers for traditional IDMA systems 2012 ,		3

19	A method for predicting rain attenuation in terrestrial point-to-point line of sight links at 97 GHz. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2007 , 62, 1035-1044	2	3
18	Detection of optimal spreading codes for DS-CDMA wireless systems with despreading sequences weighted by adjustable chip waveforms. <i>Journal of the Franklin Institute</i> , 2005 , 342, 69-84	4	3
17	Dual-Hop N-Relay Assisted Transmission for IDMA Systems over Weibull Fading Channels. <i>Elektronika Ir Elektrotehnika</i> , 2015 , 21,	1.7	3
16	Performance of Two-Hop DS-CDMA Systems Using Amplify-and-Forward Protocol over Different Fading Channels. <i>Elektronika Ir Elektrotehnika</i> , 2016 , 22,	1.7	3
15	Application of best relay selection approach to cooperative DF IDMA systems over Rayleigh/Weibull fading channels. <i>International Journal of Communication Systems</i> , 2018 , 31, e3506	1.7	2
14	Highly Accurate Analytic Approximation to the Gaussian Q-function Based on the Use of Nonlinear Least Squares Optimization Algorithm. <i>Journal of Optimization Theory and Applications</i> , 2013 , 159, 183-191	1.6	2
13	Computation of the tuning values of exponential chip weighting waveforms for DS-CDMA communications over AWGN channels. <i>IET Communications</i> , 2004 , 151, 132		2
12	Imperfect CSI and Improper Gaussian Noise Effects on SSK: Optimal Detection and Error Analysis 2018 ,		2
11	Error performance evaluation of DF cooperative IDMA systems over Weibull channels 2015 ,		1
10	BER analysis of SM-MIMO systems with MRC detectors over Weibull fading channels 2017 ,		1
9	Proposal of an experimental data and image transmission system and its possible application for remote monitoring smart grids. <i>Journal of Applied Research and Technology</i> , 2017 , 15, 303-310	1.7	1
8	BER analysis of cooperative DS-CDMA systems over Weibull/Rayleigh fading channels 2015 ,		1
7	The BER performance of IDMA systems with Weibull and mixed interleaver 2012 ,		1
6	Improvement of BER performance in MIMO-CDMA systems by using initial phase optimized gold codes. <i>Journal of Electrical Engineering</i> , 2013 , 64, 38-43	0.6	1
5	An improved formula obtained by simulated annealing for the computation of maximum SINR for DS-CDMA receiver with exponentially weighted despreading function. <i>European Transactions on Telecommunications</i> , 2006 , 17, 143-150		1
4	A simple method for calculating the sinr in DS-CDMA systems with despreading sequences weighted by stepping chip waveforms. <i>Canadian Journal of Electrical and Computer Engineering</i> , 2003 , 28, 163-167	1.4	1
3	How to prepare head tissue-equivalent liquids for SAR calculations, dosimetry and hyperthermia researches at 900 and 1800 MHz GSM frequencies. <i>Radiation Protection Dosimetry</i> , 2016 , 168, 365-73	0.9	0
2	Bit Error Rate Calculation for DS-CDMA Systems with WDS in the Presence of Rayleigh Fading and Power-Control Error. <i>Lecture Notes in Computer Science</i> , 2005 , 776-786	0.9	

- 1 Effects of GSM 1800 band radiation on composition, structure and bioactivity of exopolysaccharides produced by yoghurt starter cultures. *Archives of Microbiology*, **2021**, 203, 1697-1706³