

# Ibrahim Develi

## List of Publications by Year in descending order

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72  
papers

521  
citations

758635

12  
h-index

752256

20  
g-index

72  
all docs

72  
docs citations

72  
times ranked

422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling and analysis of a power line communication system with QPSK modem for renewable smart grids. International Journal of Electrical Power and Energy Systems, 2012, 34, 19-28.	3.3	75
2	Spectrum sensing in cognitive radio networks: threshold optimization and analysis. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	36
3	Outage Probability Analysis of Dual-Hop Decode-and-Forward Relaying Over Mixed Rayleigh and Generalized Gamma Fading Channels. Wireless Personal Communications, 2013, 71, 947-954.	1.8	32
4	Impact of I/Q Imbalance on Amplify-and-Forward Relaying: Optimal Detector Design and Error Performance. IEEE Transactions on Communications, 2019, 67, 3154-3166.	4.9	29
5	Spatial Modulation in the Presence of I/Q Imbalance: Optimal Detector & Performance Analysis. IEEE Communications Letters, 2018, 22, 1572-1575.	2.5	21
6	Measurement and analysis of electromagnetic pollution generated by GSM-900 mobile phone networks in Erciyes University, Turkey. Electromagnetic Biology and Medicine, 2012, 31, 404-415.	0.7	19
7	An Application of Artificial Neural Network to Compute the Resonant Frequency of E-shaped Compact Microstrip Antennas. Journal of Electrical Engineering, 2013, 64, 317-322.	0.4	18
8	Artificial bee colony optimization for modelling of indoor PLC channels: A case study from Turkey. Electric Power Systems Research, 2015, 127, 73-79.	2.1	18
9	Joint Impact of I/Q Imbalance and Imperfect CSI on SM-MIMO Systems Over Generalized Beckmann Fading Channels: Optimal Detection and Cramer-Rao Bound. IEEE Transactions on Wireless Communications, 2020, 19, 3034-3046.	6.1	16
10	Application of multilayer perceptron networks to laser diode nonlinearity determination for radio-over-fibre mobile communications. Microwave and Optical Technology Letters, 2004, 42, 425-427.	0.9	15
11	Computing resonant frequency of C-shaped compact microstrip antennas by using ANFIS. International Journal of Electronics, 2015, 102, 407-417.	0.9	14
12	Cooperative IDMA systems with regenerative relays over Weibull fading channels: outage probability and error analysis. IET Communications, 2017, 11, 993-999.	1.5	13
13	A Closed-Form Approximate BEP Expression for Cooperative IDMA Systems over Multipath Nakagami- $m$ Fading Channels. IEEE Communications Letters, 2016, 20, 1599-1602.	2.5	12
14	Outage performance of cooperative DS-SS-CDMA systems with best path selection over $\alpha$ - $\beta$ fading channels. Electronics Letters, 2017, 53, 752-754.	0.5	11
15	A Closed-Form MGF Expression of Instantaneous SNR for Weibull Fading Channels. Wireless Personal Communications, 2014, 77, 1605-1613.	1.8	9
16	A comprehensive performance analysis of relay-aided CDMA communications over dissimilar fading channels. AEU - International Journal of Electronics and Communications, 2018, 83, 339-347.	1.7	9
17	SER Performance of Amplify-and-Forward Cooperative Diversity Over Asymmetric Fading Channels. Wireless Personal Communications, 2013, 73, 1117-1127.	1.8	8
18	Approximate expression of bit error rate in uplink MC-CDMA systems with equal gain combining. Journal of Communications and Networks, 2013, 15, 25-30.	1.8	8

#	ARTICLE	IF	CITATIONS
19	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.	3.3	8
20	A New Nakagami-m Inverse CDF Approximation Based on the Use of Genetic Algorithm. <i>Wireless Personal Communications</i> , 2015, 83, 2279-2287.	1.8	8
21	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.	0.6	8
22	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.	1.9	7
23	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.	0.8	7
24	Highly reliable LDPC coded data transfer in home networks by using Canete's PLC channel model. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 62, 912-918.	3.3	7
25	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.	1.2	7
26	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.	3.0	6
27	A new approach to random interleavers for traditional IDMA systems. , 2012, , .		6
28	Analysis of the Use of Different Decoding Schemes in LDPC Coded OFDM Systems over Indoor PLC Channels. <i>Elektronika Ir Elektrotehnika</i> , 2014, 20, .	0.4	6
29	Computation of the tuning values of exponential chip weighting waveforms for DS-CDMA communications over AWGN channels. <i>IET Communications</i> , 2004, 151, 132.	1.0	5
30	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.	0.8	5
31	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.	1.8	5
32	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.	4.1	5
33	Dual-Hop N-Relay Assisted Transmission for IDMA Systems over Weibull Fading Channels. <i>Elektronika Ir Elektrotehnika</i> , 2015, 21, .	0.4	5
34	Optimum antenna configuration in MIMO systems: a differential evolution based approach. <i>Wireless Communications and Mobile Computing</i> , 2012, 12, 473-480.	0.8	4
35	Multiuser communications for broadband indoor power line channels using IDMA technology. , 2013, , .		4
36	LDPC coded OFDM systems over broadband indoor power line channels: A performance analysis. , 2013, , .		4

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37	A simple and useful approach for the determination process of the weighted despreading sequences in a DS-CDMA system. European Transactions on Telecommunications, 2003, 14, 361-366.	1.2	4
38	Performance of Two-Hop DS-CDMA Systems Using Amplify-and-Forward Protocol over Different Fading Channels. Elektronika Ir Elektrotechnika, 2016, 22, .	0.4	4
39	A method for predicting rain attenuation in terrestrial point-to-point line of sight links at 97 GHz. Annales Des Telecommunications/Annals of Telecommunications, 2007, 62, 1035-1044.	1.6	3
40	High-order exponential approximations for the Gaussian $Q$ -function obtained by genetic algorithm. International Journal of Electronics, 2013, 100, 553-562.	0.9	3
41	Zero-tail discrete wavelet transform spread OFDM system for 5G and beyond. , 2018, , .		3
42	Effect of repetition coding on the BER performance of interleave-division multiple access systems. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 1412-1420.	0.9	3
43	Performance of Two-Hop Relay Assisted Decode-and-Forward Transmission under Mixed Fading Environments. Elektronika Ir Elektrotechnika, 2015, 21, .	0.4	3
44	Error Bounds for 3D Localization and Maximum Likelihood Estimation of mm-Wave MISO OFDM Systems in the Presence of Hardware Impairments. IEEE Communications Letters, 2022, 26, 2042-2046.	2.5	3
45	A simple method for calculating the sinr in DS-CDMA systems with despreading sequences weighted by stepping chip waveforms. Canadian Journal of Electrical and Computer Engineering, 2003, 28, 163-167.	1.5	2
46	The BER performance of IDMA systems with Weibull and mixed interleaver. , 2012, , .		2
47	Highly Accurate Analytic Approximation to the Gaussian $Q$ -function Based on the Use of Nonlinear Least Squares Optimization Algorithm. Journal of Optimization Theory and Applications, 2013, 159, 183-191.	0.8	2
48	HOW TO PREPARE HEAD TISSUE-EQUIVALENT LIQUIDS FOR SAR CALCULATIONS, DOSIMETRY AND HYPERThERMIa RESEARCHES AT 900 AND 1800 MHZ GSM FREQUENCIES. Radiation Protection Dosimetry, 2015, 168, ncv351.	0.4	2
49	Proposal of an experimental data and image transmission system and its possible application for remote monitoring smart grids. Journal of Applied Research and Technology, 2017, 15, 303-310.	0.6	2
50	Application of best relay selection approach to cooperative DF IDMA systems over Rayleigh/Weibull fading channels. International Journal of Communication Systems, 2018, 31, e3506.	1.6	2
51	Imperfect CSI and Improper Gaussian Noise Effects on SSK: Optimal Detection and Error Analysis. , 2018, , .		2
52	Outage Probability of DF IDMA Networks with Best Relay Selection in Weibull Fading. , 0, , .		2
53	An improved formula obtained by simulated annealing for the computation of maximum SINR for DS-CDMA receiver with exponentially weighted despreading function. European Transactions on Telecommunications, 2006, 17, 143-150.	1.2	1
54	Improvement of BER performance in MIMO-CDMA systems by using initial phase optimized gold codes. Journal of Electrical Engineering, 2013, 64, 38-43.	0.4	1

#	ARTICLE	IF	CITATIONS
55	BER analysis of cooperative DS-CDMA systems over Weibull/Rayleigh fading channels. , 2015, , .		1
56	Error performance evaluation of DF cooperative IDMA systems over Weibull channels. , 2015, , .		1
57	Design of microstrip patch antenna with diamond shaped tuning slots for UWB communications. , 2016, , .		1
58	BER analysis of SM-MIMO systems with MRC detectors over Weibull fading channels. , 2017, , .		1
59	ZT DWT-S OWDM: A New Waveform for PAPR Reduction. , 2018, , .		1
60	New Results on the Performance of Multitone DS-CDMA Systems in Nakagami-m Fading Channels. IEICE Transactions on Communications, 2005, E88-B, 4675-4677.	0.4	1
61	Thermal Analysis of Biological Tissues Exposed To Electromagnetic Fields by Using Pennes' Bio-Heat Transfer Equation. , 2021, , .		1
62	Detailed analysis of the optimum normalized subcarrier spacing of generalized MC DS-CDMA in multipath Nakagami-m fading channels. , 0, , .		0
63	Derivation of simplified ber expressions for DS-CDMA using weighted despreading sequences with imperfect power control in Rayleigh fading. , 0, , .		0
64	Generalized Neural Method for Shaping the Exponential Chip Weighting Waveforms in Direct Sequence CDMA Systems. Frequenz, 2006, 60, .	0.6	0
65	BER performance of generalized multicarrier DS-CDMA system with blackman chip waveforms over Nakagami-m fading channels. , 2008, , .		0
66	A sparsity-driven approach for SAR image formation and space-variant focusing. , 2011, , .		0
67	Outage probability of AF DS-CDMA systems using full selection diversity over $\hat{\Gamma}_{\pm}^{-\hat{\Gamma}}/4$ fading channels. , 2017, , .		0
68	Derivation of outage probability for DF IDMA systems with best relay selection over Rayleigh/Weibull channels. , 2017, , .		0
69	Spectrum Detection Performance of HSTLBO Based Energy Sensing Algorithm in Cognitive Radio Networks. , 2019, , .		0
70	Effects of GSM 1800 band radiation on composition, structure and bioactivity of exopolysaccharides produced by yoghurt starter cultures. Archives of Microbiology, 2021, 203, 1697-1706.	1.0	0
71	Bit Error Rate Calculation for DS-CDMA Systems with WDS in the Presence of Rayleigh Fading and Power-Control Error. Lecture Notes in Computer Science, 2005, , 776-786.	1.0	0
72	Determination of Electrical Values of Tissue Equivalent Liquids Prepared for 900 MHz Frequency by Using Soft Computing Methods. , 2021, , .		0