

Aniruddha Chandra

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.

88

papers

661

citations

12

h-index

21

g-index

107

ext. papers

861

ext. citations

1.8

avg, IF

4.15

L-index

#	Paper	IF	Citations
88	Performance analysis of FSO links employing a transmit and receive diversity-based operating system under M _l ga turbulence channels with pointing errors 2022 , 1, 366		
87	Cross-Layer Energy Model for Non-Beacon-Enabled IEEE 802.15.4 Networks. <i>IEEE Wireless Communications Letters</i> , 2020 , 1-1	5.9	2
86	Find My Car: Simple RSS-based UWB Localization Algorithms for Single and Multiple Transmitters 2020 ,		1
85	Improving the performance of a DF relay-aided FSO system with an additional source-relay mmWave RF backup. <i>Journal of Optical Communications and Networking</i> , 2020 , 12, 390	4.1	4
84	Study the Effect of Cognitive Stress on HRV Signal Using 3D Phase Space Plot in Spherical Coordinate System. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 227-237	0.2	
83	Performance Analysis of FSO Links in Turbulent Atmosphere. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2020 , 100-156	0.2	0
82	CNN based musical instrument identification using time-frequency localized features. <i>Internet Technology Letters</i> , 2020 , e191	1.3	1
81	Time-variance of 60 GHz vehicular infrastructure-to-infrastructure (I2I) channel. <i>Vehicular Communications</i> , 2020 , 26, 100288	5.7	0
80	Free space optical links over M _l ga turbulence channels with transmit and receive diversity. <i>Optics Communications</i> , 2020 , 456, 124591	2	7
79	Unvoiced Speech Recognition Using Dynamic Analysis of EMG Signal. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 217-225	0.2	1
78	Cross-layer energy model for beacon-enabled 802.15.4 networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 4209-4224	3.7	3
77	Doppler Characteristics of 60 GHz mmWave I2I Channels 2019 ,		2
76	60-GHz Millimeter-Wave Propagation Inside Bus: Measurement, Modeling, Simulation, and Performance Analysis. <i>IEEE Access</i> , 2019 , 7, 97815-97826	3.5	4
75	Single CCA for IEEE 802.15.4 networks: a cross layer energy model. <i>IET Networks</i> , 2019 , 8, 203-210	2.8	1
74	Convolutional Neural Networks for Noise Classification and Denoising of Images 2019 ,		5
73	The effects of channel knowledge on cooperative spectrum sensing in Nakagami-n/q fading channels. <i>Wireless Networks</i> , 2019 , 25, 2559-2571	2.5	4
72	Electrospinning over Solvent Casting: Tuning of Mechanical Properties of Membranes. <i>Scientific Reports</i> , 2018 , 8, 5058	4.9	91

71	Performance analysis of MIMO FSO link with Alamouti coding and switch-and-examine combining. <i>Photonic Network Communications</i> , 2018 , 36, 350-360	1.7	4
70	. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-17	1.8	48
69	Optimal Location of Energy Efficient DF Relay Node in $(\kappa)\mu$ Fading Channel. <i>Wireless Personal Communications</i> , 2017 , 96, 669-682	1.9	
68	Frame error rate for single-hop and dual-hop transmissions in 802.15.4 LoWPANs. <i>International Journal of Electronics</i> , 2017 , 104, 1413-1426	1.2	4
67	Comparing Energy Efficiency of DF Relay-Assisted Cooperative and Noncooperative Short-Range Wireless Systems. <i>Lecture Notes in Electrical Engineering</i> , 2017 , 139-151	0.2	1
66	BER of MIMO FSO link with Alamouti coding and SEC 2017 ,		3
65	Capacity analysis for Rayleigh/gamma-gamma mixed RF/FSO relayed transmission 2017 ,		5
64	Capacity Analysis for Rayleigh/Gamma-Gamma Mixed RF/FSO Link with Fixed-Gain AF Relay. <i>IEICE Transactions on Communications</i> , 2017 , E100.B, 1747-1757	0.5	11
63	UWB Measurements for Spatial Variability and Ranging: Parked Car in Underground Garage. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1859-1862	3.8	7
62	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 3526-3537	6.8	22
61	Analytical performance of soft data fusion-aided spectrum sensing in hybrid terrestrial-satellite networks. <i>International Journal of Satellite Communications and Networking</i> , 2017 , 35, 461-480	1.7	10
60	Detection performance of cooperative spectrum sensing with hard decision fusion in fading channels. <i>International Journal of Electronics</i> , 2016 , 103, 297-321	1.2	32
59	Out-of-vehicle time-of-arrival-based localization in ultra-wide band. <i>International Journal of Distributed Sensor Networks</i> , 2016 , 12, 155014771666552	1.7	4
58	Time-domain nonstationary intra-car channel measurement in 60 GHz band 2016 ,		9
57	Energy Efficient DF Relay Placement in $\alpha\mu$ Fading Channel with Cooperative and Non-Cooperative Schemes. <i>Radioengineering</i> , 2016 , 25, 749-756	0.8	2
56	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 3929-3940	6.8	22
55	In-vehicle channel sounding in the 5.8-GHz band. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	5
54	Cross-layer dual-hop energy model for 802.15.4 networks in a beacon-enabled mode 2015 ,		1

53	Double threshold-based cooperative spectrum sensing for a cognitive radio network with improved energy detectors. <i>IET Communications</i> , 2015 , 9, 2216-2226	1.3	17
52	UWB time domain channel sounder 2015 ,		5
51	PER reduction with relays for low energy short range 802.15.4 WPN 2015 ,		1
50	Serial subtractive deconvolution algorithms for time-domain ultra wide band in-vehicle channel sounding. <i>IET Intelligent Transport Systems</i> , 2015 , 9, 870-880	2.4	7
49	Frequency-domain in-vehicle channel modelling in mmW band 2015 ,		3
48	Performance analysis of fixed gain AF relay assisted mixed RF-FSO links 2015 ,		1
47	Out of vehicle channel sounding in 5.8 GHz band 2015 ,		5
46	Bit error rate of RS coded BFSK in broadband powerline channels with background Nakagami and impulsive noise. <i>Physical Communication</i> , 2015 , 14, 14-23	2.2	5
45	Energy Efficient Relay Placement in Dual Hop 802.15.4 Networks. <i>Wireless Personal Communications</i> , 2014 , 75, 1947-1967	1.9	16
44	Location Management in Cellular Mobile Networks. <i>IEEE Potentials</i> , 2014 , 33, 37-44	1	5
43	Error performance of RS coded binary FSK in PLC channels with Nakagami and impulsive noise 2014 ,		17
42	Cross-layer energy model for relay assisted 802.15.4 networks in a non-beacon-enabled mode 2014 ,		3
41	SEP of dual-ring star-QAM over FSO channels with atmospheric turbulence 2014 ,		1
40	In-vehicle UWB channel measurement, model and spatial stationarity 2014 ,		9
39	Performance Analysis of dual-hop AF relaying FSO System using Alamouti Scheme over G-G Fading Channel 2014 ,		3
38	DF versus AF: Energy consumption comparison for IEEE 802.15.4 networks 2014 ,		6
37	On performance of cooperative spectrum sensing based on improved energy detector with multiple antennas in Hoyt fading channel 2013 ,		6
36	Energy efficient relay node placement in a eta-mu fading channel 2013 ,		3

35	Performance of Non-coherent MFSK with Selection and Switched Diversity Over Hoyt Fading Channel. <i>Wireless Personal Communications</i> , 2013 , 68, 379-399	1.9	13
34	Energy efficient relay placement for dual hop wireless transmission. <i>International Journal of Electronics Letters</i> , 2013 , 1, 198-209	0.6	6
33	Performance of improved energy detector based cooperative spectrum sensing over Hoyt and Rician faded channels. <i>IEICE Communications Express</i> , 2013 , 2, 319-324	0.4	12
32	Performance of order-L post detection switch and examine combiner in Hoyt fading. <i>IEICE Communications Express</i> , 2012 , 1, 131-136	0.4	
31	Series solutions for M-DQPSK BER with MRC. <i>International Journal of Electronics</i> , 2012 , 99, 391-416	1.2	6
30	Performance of cooperative spectrum sensing in Hoyt fading channel under hard decision fusion rules 2012 ,		4
29	Placing the Third Node: An energy efficiency perspective 2012 ,		3
28	Energy conservation in wireless communication systems with relays 2012 ,		3
27	Symbol error probability of non-coherent M-ary frequency shift keying with postdetection selection and switched combining over Hoyt fading channel. <i>IET Communications</i> , 2012 , 6, 1692	1.3	7
26	Accurate SER expressions for M-ary dual ring star QAM in fading channels 2012 ,		3
25	Wireless Relays for Next Generation Broadband Networks. <i>IEEE Potentials</i> , 2011 , 30, 39-43	1	31
24	Performance analysis of PSK systems with phase error in fading channels: A survey. <i>Physical Communication</i> , 2011 , 4, 63-82	2.2	10
23	Unified BER and optimum threshold analysis of binary modulations in simple and cascaded Rayleigh fading channels with switched combining. <i>International Journal of Communication Systems</i> , 2011 , 24, 153-167	1.7	11
22	SEP calculations for coherent M-ary FSK in different fading channels with MRC diversity. <i>International Journal of Communication Systems</i> , 2011 , 24, 202-224	1.7	4
21	2011 ,		2
20	Location management in wireless networks: A survey 2011 ,		2
19	Effect of imperfect phase synchronization on the error rate performance of MPSK in Rayleigh, Rician and Nakagami fading channels 2010 ,		3
18	Performance of BFSK over a PLC channel corrupted with background Nakagami noise 2010 ,		15

17	A comparative study of MFSK and CDMA for power line communication with background Nakagami noise 2010 ,		5
16	Performance analysis of BPSK over different fading channels with imperfect carrier phase recovery 2010 ,		6
15	BER Performance of Coherent PSK in Rayleigh Fading Channel with Imperfect Phase Estimation 2010 ,		4
14	Outage probability and error rates of switched diversity systems in Hoyt fading channel 2010 ,		3
13	BER of Differentially Detected $\sqrt{4}$ -DQPSK with Selection Combining in Nakagami-m Fading. <i>International Journal of Wireless Information Networks</i> , 2010 , 17, 54-63	1.9	2
12	Side lobe reduction of a concentric circular antenna array using genetic algorithm. <i>Serbian Journal of Electrical Engineering</i> , 2010 , 7, 141-148	0.3	9
11	Error Probability for Coherent Modulations in Rician Fading Channel. <i>International Journal of Interdisciplinary Telecommunications and Networking</i> , 2009 , 1, 16-27	0.4	2
10	Unified BER and Optimum Threshold Analysis of Switched Combining in Rayleigh Channels 2009 ,		1
9	Analysis of soft handoff algorithm for multi-cellular systems: A finite integral approach. <i>International Journal of Communication Systems</i> , 2009 , 22, 863-884	1.7	0
8	Performance of Single and Multichannel Coherent Reception under Rician Fading. <i>International Journal of Wireless Information Networks</i> , 2009 , 16, 81-90	1.9	0
7	An intelligent traffic control system using RFID. <i>IEEE Potentials</i> , 2009 , 28, 40-43	1	35
6	Delay Estimation for On-Chip VLSI Interconnect using Weibull Distribution Function 2008 ,		2
5	Analysis of selection combining for differentially detected $\sqrt{4}$ -DQPSK in Nakagami-m fading channels 2008 ,		1
4	BER of $\sqrt{4}$ -DQPSK with multichannel reception: Some series solutions 2008 ,		3
3	Unified analysis of error performance for binary signalling over Rayleigh fading channels. <i>Electronics Letters</i> , 2007 , 43, 934	1.1	10
2	Genetic Algorithm Based Optimization for Location Update and Paging in Mobile Networks. <i>Lecture Notes in Computer Science</i> , 2004 , 222-231	0.9	3
1	Fuzzy Logic-Based Energy-Optimal Collinear DF Relay Placement in Two-Hop η - μ Fading Channel. <i>International Journal of Wireless Information Networks</i> ,1	1.9	1