

Aniruddha Chandra

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.

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	Electrospinning over Solvent Casting: Tuning of Mechanical Properties of Membranes. <i>Scientific Reports</i> , 2018 , 8, 5058	4.9	91
87	. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-17	1.8	48
86	An intelligent traffic control system using RFID. <i>IEEE Potentials</i> , 2009 , 28, 40-43	1	35
85	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
84	Wireless Relays for Next Generation Broadband Networks. <i>IEEE Potentials</i> , 2011 , 30, 39-43	1	31
83	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 3526-3537	6.8	22
82	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 3929-3940	6.8	22
81	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
80	Error performance of RS coded binary FSK in PLC channels with Nakagami and impulsive noise 2014		17
79	Energy Efficient Relay Placement in Dual Hop 802.15.4 Networks. <i>Wireless Personal Communications</i> , 2014 , 75, 1947-1967	1.9	16
78	Performance of BFSK over a PLC channel corrupted with background Nakagami noise 2010 ,		15
77	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
76	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
75	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
74	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
73	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
72	Performance analysis of PSK systems with phase error in fading channels: A survey. <i>Physical Communication</i> , 2011 , 4, 63-82	2.2	10

71	Unified analysis of error performance for binary signalling over Rayleigh fading channels. <i>Electronics Letters</i> , 2007 , 43, 934	1.1	10
70	In-vehicle UWB channel measurement, model and spatial stationarity 2014 ,		9
69	Time-domain nonstationary intra-car channel measurement in 60 GHz band 2016 ,		9
68	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
67	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
66	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
65	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
64	Free space optical links over Mloga turbulence channels with transmit and receive diversity. <i>Optics Communications</i> , 2020 , 456, 124591	2	7
63	On performance of cooperative spectrum sensing based on improved energy detector with multiple antennas in Hoyt fading channel 2013 ,		6
62	DF versus AF: Energy consumption comparison for IEEE 802.15.4 networks 2014 ,		6
61	Series solutions for M-DQPSK BER with MRC. <i>International Journal of Electronics</i> , 2012 , 99, 391-416	1.2	6
60	Energy efficient relay placement for dual hop wireless transmission. <i>International Journal of Electronics Letters</i> , 2013 , 1, 198-209	0.6	6
59	Performance analysis of BPSK over different fading channels with imperfect carrier phase recovery 2010 ,		6
58	In-vehicle channel sounding in the 5.8-GHz band. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	5
57	Capacity analysis for Rayleigh/gamma-gamma mixed RF/FSO relayed transmission 2017 ,		5
56	Location Management in Cellular Mobile Networks. <i>IEEE Potentials</i> , 2014 , 33, 37-44	1	5
55	UWB time domain channel sounder 2015 ,		5
54	Out of vehicle channel sounding in 5.8 GHz band 2015 ,		5

53	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
52	A comparative study of MFSK and CDMA for power line communication with background Nakagami noise 2010 ,		5
51	Convolutional Neural Networks for Noise Classification and Denoising of Images 2019 ,		5
50	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
49	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
48	60-GHz Millimeter-Wave Propagation Inside Bus: Measurement, Modeling, Simulation, and Performance Analysis. <i>IEEE Access</i> , 2019 , 7, 97815-97826	3.5	4
47	Performance of cooperative spectrum sensing in Hoyt fading channel under hard decision fusion rules 2012 ,		4
46	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
45	BER Performance of Coherent PSK in Rayleigh Fading Channel with Imperfect Phase Estimation 2010 ,		4
44	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
43	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
42	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
41	BER of MIMO FSO link with Alamouti coding and SEC 2017 ,		3
40	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
39	Energy efficient relay node placement in a eta-mu fading channel 2013 ,		3
38	Frequency-domain in-vehicle channel modelling in mmW band 2015 ,		3
37	Cross-layer energy model for relay assisted 802.15.4 networks in a non-beacon-enabled mode 2014 ,		3
36	Performance Analysis of dual-hop AF relaying FSO System using Alamouti Scheme over G-G Fading Channel 2014 ,		3

35	Placing the Third Node: An energy efficiency perspective 2012,		3
34	Energy conservation in wireless communication systems with relays 2012,		3
33	Effect of imperfect phase synchronization on the error rate performance of MPSK in Rayleigh, Rician and Nakagami fading channels 2010,		3
32	Outage probability and error rates of switched diversity systems in Hoyt fading channel 2010,		3
31	Accurate SER expressions for M-ary dual ring star QAM in fading channels 2012,		3
30	BER of M -DQPSK with multichannel reception: Some series solutions 2008,		3
29	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
28	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
27	Doppler Characteristics of 60 GHz mmWave I2I Channels 2019,		2
26	2011,		2
25	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
24	Location management in wireless networks: A survey 2011,		2
23	BER of Differentially Detected M -DQPSK with Selection Combining in Nakagami-m Fading. <i>International Journal of Wireless Information Networks</i> , 2010 , 17, 54-63	1.9	2
22	Delay Estimation for On-Chip VLSI Interconnect using Weibull Distribution Function 2008,		2
21	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
20	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
19	Cross-layer dual-hop energy model for 802.15.4 networks in a beacon-enabled mode 2015,		1
18	PER reduction with relays for low energy short range 802.15.4 WPN 2015,		1

17	Performance analysis of fixed gain AF relay assisted mixed RF-FSO links 2015 ,		1
16	SEP of dual-ring star-QAM over FSO channels with atmospheric turbulence 2014 ,		1
15	Unified BER and Optimum Threshold Analysis of Switched Combining in Rayleigh Channels 2009 ,		1
14	Analysis of selection combining for differentially detected $\sqrt{4}$ -DQPSK in Nakagami-m fading channels 2008 ,		1
13	Find My Car: Simple RSS-based UWB Localization Algorithms for Single and Multiple Transmitters 2020 ,		1
12	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
11	CNN based musical instrument identification using time-frequency localized features. <i>Internet Technology Letters</i> , 2020 , e191	1.3	1
10	Single CCA for IEEE 802.15.4 networks: a cross layer energy model. <i>IET Networks</i> , 2019 , 8, 203-210	2.8	1
9	Unvoiced Speech Recognition Using Dynamic Analysis of EMG Signal. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 217-225	0.2	1
8	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
7	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
6	Performance Analysis of FSO Links in Turbulent Atmosphere. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2020 , 100-156	0.2	0
5	Time-variance of 60 GHz vehicular infrastructure-to-infrastructure (I2I) channel. <i>Vehicular Communications</i> , 2020 , 26, 100288	5.7	0
4	Optimal Location of Energy Efficient DF Relay Node in (κ, μ) Fading Channel. <i>Wireless Personal Communications</i> , 2017 , 96, 669-682	1.9	
3	Performance of order-L post detection switch and examine combiner in Hoyt fading. <i>IEICE Communications Express</i> , 2012 , 1, 131-136	0.4	
2	Performance analysis of FSO links employing a transmit and receive diversity-based operating system under M η ga turbulence channels with pointing errors 2022 , 1, 366		
1	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	