

Aniruddha Chandra

List of Publications by Year in descending order

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105
papers

1,010
citations

687220

13
h-index

552653

26
g-index

108
all docs

108
docs citations

108
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospinning over Solvent Casting: Tuning of Mechanical Properties of Membranes. Scientific Reports, 2018, 8, 5058.	1.6	139
2	Performance Analysis of Hybrid FSO Systems Using FSO/RF-FSO Link Adaptation. IEEE Photonics Journal, 2018, 10, 1-17.	1.0	82
3	An intelligent traffic control system using RFID. IEEE Potentials, 2009, 28, 40-43.	0.2	56
4	Detection performance of cooperative spectrum sensing with hard decision fusion in fading channels. International Journal of Electronics, 2016, 103, 297-321.	0.9	50
5	In-Vehicle Channel Measurement, Characterization, and Spatial Consistency Comparison of 30 GHz and 65 GHz Frequency Bands. IEEE Transactions on Vehicular Technology, 2017, 66, 3526-3537.	3.9	38
6	Frequency-Domain In-Vehicle UWB Channel Modeling. IEEE Transactions on Vehicular Technology, 2016, 65, 3929-3940.	3.9	36
7	Wireless Relays for Next Generation Broadband Networks. IEEE Potentials, 2011, 30, 39-43.	0.2	35
8	Energy Efficient Relay Placement in Dual Hop 802.15.4 Networks. Wireless Personal Communications, 2014, 75, 1947-1967.	1.8	20
9	Error performance of RS coded binary FSK in PLC channels with Nakagami and impulsive noise. , 2014, , .		20
10	Double threshold-based cooperative spectrum sensing for a cognitive radio network with improved energy detectors. IET Communications, 2015, 9, 2216-2226.	1.5	19
11	Performance of BFSK over a PLC channel corrupted with background Nakagami noise. , 2010, , .		18
12	Performance of Non-coherent MFSK with Selection and Switched Diversity Over Hoyt Fading Channel. Wireless Personal Communications, 2013, 68, 379-399.	1.8	18
13	Performance of improved energy detector based cooperative spectrum sensing over Hoyt and Rician faded channels. IEICE Communications Express, 2013, 2, 319-324.	0.2	18
14	Convolutional Neural Networks for Noise Classification and Denoising of Images. , 2019, , .		18
15	Capacity Analysis for Rayleigh/Gamma-Gamma Mixed RF/FSO Link with Fixed-Gain AF Relay. IEICE Transactions on Communications, 2017, E100.B, 1747-1757.	0.4	15
16	Performance analysis of PSK systems with phase error in fading channels: A survey. Physical Communication, 2011, 4, 63-82.	1.2	14
17	Free space optical links over MÃlaga turbulence channels with transmit and receive diversity. Optics Communications, 2020, 456, 124591.	1.0	14
18	Unified BER and optimum threshold analysis of binary modulations in simple and cascaded Rayleigh fading channels with switched combining. International Journal of Communication Systems, 2011, 24, 153-167.	1.6	13

#	ARTICLE	IF	CITATIONS
19	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.	1.2	13
20	Time-domain nonstationary intra-car channel measurement in 60 GHz band. , 2016, , .		13
21	Side lobe reduction of a concentric circular antenna array using genetic algorithm. <i>Serbian Journal of Electrical Engineering</i> , 2010, 7, 141-148.	0.2	13
22	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.	3.3	12
23	Unified analysis of error performance for binary signalling over Rayleigh fading channels. <i>Electronics Letters</i> , 2007, 43, 934.	0.5	11
24	In-vehicle UWB channel measurement, model and spatial stationarity. , 2014, , .		11
25	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.	1.5	10
26	Serial subtractive deconvolution algorithms for time-domain ultra wide band in-vehicle channel sounding. <i>IET Intelligent Transport Systems</i> , 2015, 9, 870-880.	1.7	10
27	60-GHz Millimeter-Wave Propagation Inside Bus: Measurement, Modeling, Simulation, and Performance Analysis. <i>IEEE Access</i> , 2019, 7, 97815-97826.	2.6	10
28	BER Performance of Coherent PSK in Rayleigh Fading Channel with Imperfect Phase Estimation. , 2010, , .		9
29	DF versus AF: Energy consumption comparison for IEEE 802.15.4 networks. , 2014, , .		9
30	60 GHz mmW Channel Measurements inside a Bus. , 2016, , .		9
31	UWB Measurements for Spatial Variability and Ranging: Parked Car in Underground Garage. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 1859-1862.	2.4	9
32	A comparative study of MFSK and CDMA for power line communication with background Nakagami noise. , 2010, , .		8
33	Performance analysis of BPSK over different fading channels with imperfect carrier phase recovery. , 2010, , .		8
34	On performance of cooperative spectrum sensing based on improved energy detector with multiple antennas in Hoyt fading channel. , 2013, , .		8
35	Location Management in Cellular Mobile Networks. <i>IEEE Potentials</i> , 2014, 33, 37-44.	0.2	8
36	Performance analysis of MIMO FSO link with Alamouti coding and switch-and-examine combining. <i>Photonic Network Communications</i> , 2018, 36, 350-360.	1.4	8

#	ARTICLE	IF	CITATIONS
37	Effect of imperfect phase synchronization on the error rate performance of MPSK in Rayleigh, Rician and Nakagami fading channels. , 2010, , .		7
38	Energy efficient relay placement for dual hop wireless transmission. International Journal of Electronics Letters, 2013, 1, 198-209.	0.7	7
39	Frequency-domain in-vehicle channel modelling in mmW band. , 2015, , .		7
40	In-vehicle channel sounding in the 5.8-GHz band. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	7
41	<scp>CNN</scp> based musical instrument identification using timeâ€frequency localized features. Internet Technology Letters, 2022, 5, e191.	1.4	7
42	Accurate SER expressions for M-ary dual ring star QAM in fading channels. , 2012, , .		6
43	Series solutions for<i>Ï€</i>/4-DQPSK BER with MRC. International Journal of Electronics, 2012, 99, 391-416.	0.9	6
44	Performance of cooperative spectrum sensing in Hoyt fading channel under hard decision fusion rules. , 2012, , .		6
45	Out of vehicle channel sounding in 5.8 GHz band. , 2015, , .		6
46	Bit error rate of RS coded BFSK in broadband powerline channels with background Nakagami and impulsive noise. Physical Communication, 2015, 14, 14-23.	1.2	6
47	Out-of-vehicle time-of-arrival-based localization in ultra-wide band. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666552.	1.3	6
48	Capacity analysis for Rayleigh/gamma-gamma mixed RF/FSO relayed transmission. , 2017, , .		6
49	SEP calculations for coherent <i>M</i>â€ary FSK in different fading channels with MRC diversity. International Journal of Communication Systems, 2011, 24, 202-224.	1.6	5
50	UWB time domain channel sounder. , 2015, , .		5
51	Frame error rate for single-hop and dual-hop transmissions in 802.15.4 LoWPANs. International Journal of Electronics, 2017, 104, 1413-1426.	0.9	5
52	Doppler Characteristics of 60 GHz mmWave I2I Channels. , 2019, , .		5
53	Delay Estimation for On-Chip VLSI Interconnect using Weibull Distribution Function. , 2008, , .		4
54	Outage probability and error rates of switched diversity systems in Hoyt fading channel. , 2010, , .		4

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55	Placing the 'third' node: An energy efficiency perspective. , 2012, , .		4
56	Current-bleeding folded gilbert RF mixer design for wireless applications. , 2013, , .		4
57	Energy efficient relay node placement in a eta-mu fading channel. , 2013, , .		4
58	Cross-layer energy model for beacon-enabled 802.15.4 networks. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 4209-4224.	3.3	4
59	The effects of channel knowledge on cooperative spectrum sensing in Nakagami-n/q fading channels. Wireless Networks, 2019, 25, 2559-2571.	2.0	4
60	Genetic Algorithm Based Optimization for Location Update and Paging in Mobile Networks. Lecture Notes in Computer Science, 2004, , 222-231.	1.0	3
61	Analysis of selection combining for differentially detected $\pi/4$ -DQPSK in Nakagami-m fading channels. , 2008, , .		3
62	BER of $\pi/4$ -DQPSK with multichannel reception: Some series solutions. , 2008, , .		3
63	Error Probability for Coherent Modulations in Rician Fading Channel. International Journal of Interdisciplinary Telecommunications and Networking, 2009, 1, 16-27.	0.2	3
64	Performance of Single and Multichannel Coherent Reception under Rician Fading. International Journal of Wireless Information Networks, 2009, 16, 81-90.	1.8	3
65	BER of Differentially Detected $\pi/4$ -DQPSK with Selection Combining in Nakagami-m Fading. International Journal of Wireless Information Networks, 2010, 17, 54-63.	1.8	3
66	Location management in wireless networks: A survey. , 2011, , .		3
67	A simplified analytical and simulation framework for evaluating BER of RS coded digital signal in Rician fading channels. , 2012, , .		3
68	Energy Conservation in Wireless Communication Systems with Relays. , 2012, , .		3
69	Cross-layer energy model for relay assisted 802.15.4 networks in a non-beacon-enabled mode. , 2014, , .		3
70	SEP of dual-ring star-QAM over FSO channels with atmospheric turbulence. , 2014, , .		3
71	Performance Analysis of dual-hop AF relaying FSO System using Alamouti Scheme over G-G Fading Channel. , 2014, , .		3
72	BER of MIMO FSO link with Alamouti coding and SEC. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
73	Hybrid FSO/RF-FSO Systems over Generalized MÃ¼laga Distributed Channels with Pointing Errors. , 2019, , .		3
74	Cross-Layer Energy Model for Non-Beacon-Enabled IEEE 802.15.4 Networks. IEEE Wireless Communications Letters, 2020, , 1-1.	3.2	3
75	Find My Car: Simple RSS-based UWB Localization Algorithms for Single and Multiple Transmitters. , 2020, , .		3
76	Performance analysis of FSO links employing a transmit and receive diversity-based operating system under MÃ¼laga turbulence channels with pointing errors. , 2022, 1, 366.		3
77	Statistical Modelling for Controlled Drug Delivery Systems and its Applications in HPMC based Hydrogels. , 2010, , .		2
78	Performance of Alamouti coded MIMO systems with switch and examine combining. , 2011, , .		2
79	Energy Efficient DF Relay Placement in alpha-mu Fading Channel with Cooperative and Non-Cooperative Schemes. Radioengineering, 2016, 25, 749-756.	0.3	2
80	Channel Modelling for 60GHz mmWave Communication Inside Bus. , 2018, , .		2
81	Time-variance of 60 GHz vehicular infrastructure-to-infrastructure (I2I) channel. Vehicular Communications, 2020, 26, 100288.	2.7	2
82	On the Characterization of Beam Misalignment in Outdoor-to-Indoor 60 GHz mmWave Channel. , 2021, , .		2
83	Impact of RSU Height on 60 GHz mmWave V2I LOS Communication in Multi-lane Highways. , 2021, , .		2
84	Performance Analysis of FSO Links in Turbulent Atmosphere. Advances in Wireless Technologies and Telecommunication Book Series, 2020, , 100-156.	0.3	2
85	Performance of coherent MFSK schemes over slow flat fading channels. , 2008, , .		1
86	Unified BER and Optimum Threshold Analysis of Switched Combining in Rayleigh Channels. , 2009, , .		1
87	Analysis of soft handoff algorithm for multi-€cellular systems: A finite integral approach. International Journal of Communication Systems, 2009, 22, 863-884.	1.6	1
88	PER reduction with relays for low energy short range 802.15.4 WPN. , 2015, , .		1
89	Performance analysis of fixed gain AF relay assisted mixed RF-FSO links. , 2015, , .		1
90	Cross-layer dual-hop energy model for 802.15.4 networks in a beacon-enabled mode. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
91	Comparing Energy Efficiency of DF Relay-Assisted Cooperative and Noncooperative Short-Range Wireless Systems. Lecture Notes in Electrical Engineering, 2017, , 139-151.	0.3	1
92	Single CCA for IEEE 802.15.4 networks: a cross layer energy model. IET Networks, 2019, 8, 203-210.	1.1	1
93	ABER of an FSO Link in Gamma-Gamma Turbulence with SSK and SEC. , 2021, , .		1
94	CLEAN Algorithms for Intra-vehicular Time-domain UWB Channel Sounding. , 2015, , .		1
95	Performance of a cognitive device-to-device network in disaster situation under a collision constraint. International Journal of Communication Systems, 0, , .	1.6	1
96	Fuzzy Logic-Based Energy-Optimal Collinear DF Relay Placement in Two-Hop η - μ Fading Channel. International Journal of Wireless Information Networks, 2022, 29, 167-179.	1.8	1
97	Radio Channel Capacity with Directivity Control of Antenna Beams in Multipath Propagation Environment. Sensors, 2021, 21, 8296.	2.1	1
98	Closed-form analysis for performance evaluation of soft handoff. , 2008, , .		0
99	Performance of order- α and β post detection switch and examine combiner in Hoyt fading. IEICE Communications Express, 2012, 1, 131-136.	0.2	0
100	Optimal Location of Energy Efficient DF Relay Node in κ - η μ Fading Channel. Wireless Personal Communications, 2017, 96, 669-682.	1.8	0
101	Combined K-Means and Amplitude Clustering of Impulse Response for 60 GHz Vehicular Channels. , 2018, , .		0
102	Delay and Slew Metrics for On-Chip VLSI Interconnect. International Journal of Computer and Electrical Engineering, 0, , 230-234.	0.2	0
103	Intra Vehicular Wireless Channel Measurements. , 2015, , .		0
104	Studying the Effect of Bengali Folk Music on Human Autonomic Nervous System Through Multi-Fractal Detrended Fluctuation Analysis of HRV Signals. SSRN Electronic Journal, 0, , .	0.4	0
105	Angular Power Distribution in 60 GHz Wireless Uplink for Vehicle-to-Infrastructure Scenarios. , 2021, , .		0