

Hector E Nistazakis

List of Publications by Year in descending order

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60
papers

1,084
citations

471509

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434195

31
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60
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60
docs citations

60
times ranked

588
citing authors

#	ARTICLE	IF	CITATIONS
1	Average Capacity of Optical Wireless Communication Systems Over Atmospheric Turbulence Channels. <i>Journal of Lightwave Technology</i> , 2009, 27, 974-979.	4.6	192
2	Capacity Analysis of Dual Amplify-and-Forward Relayed Free-Space Optical Communication Systems Over Turbulence Channels With Pointing Errors. <i>Journal of Optical Communications and Networking</i> , 2013, 5, 1032.	4.8	90
3	On the use of wavelength and time diversity in optical wireless communication systems over gamma-gamma turbulence channels. <i>Optics and Laser Technology</i> , 2012, 44, 2088-2094.	4.6	74
4	Subcarrier PSK Performance in Terrestrial FSO Links Impaired by Gamma-Gamma Fading, Pointing Errors, and Phase Noise. <i>Journal of Lightwave Technology</i> , 2017, 35, 1624-1632.	4.6	54
5	A chaotic path planning generator based on logistic map and modulo tactics. <i>Robotics and Autonomous Systems</i> , 2020, 124, 103377.	5.1	49
6	Comparative performance study of one or multiple receivers schemes for FSO links over gamma-gamma turbulence channels. <i>Journal of Modern Optics</i> , 2012, 59, 1023-1031.	1.3	36
7	Dual-hop relaying communications over generalized-K (KG) fading channels. <i>Journal of the Franklin Institute</i> , 2010, 347, 1643-1653.	3.4	33
8	A time-diversity scheme for wireless optical links over exponentially modeled turbulence channels. <i>Optik</i> , 2013, 124, 1386-1391.	2.9	33
9	Capacity estimation of optical wireless communication systems over moderate to strong turbulence channels. <i>Journal of Communications and Networks</i> , 2009, 11, 384-389.	2.6	31
10	A Two-Parameter Modified Logistic Map and Its Application to Random Bit Generation. <i>Symmetry</i> , 2020, 12, 829.	2.2	31
11	Collisions between spatiotemporal solitons of different dimensionality in a planar waveguide. <i>Physical Review E</i> , 2001, 64, 026604.	2.1	30
12	Stabilizing soliton transmission by third-order dispersion in dispersion-compensated fibre links. <i>Journal of Optics</i> , 1998, 7, L57-L62.	0.5	28
13	Experimental Performance Analysis of an Optical Communication Channel over Maritime Environment. <i>Electronics (Switzerland)</i> , 2020, 9, 1109.	3.1	27
14	Analysis, Synchronization, and Robotic Application of a Modified Hyperjerk Chaotic System. <i>Complexity</i> , 2020, 2020, 1-15.	1.6	25
15	Underwater Optical Wireless Communication Systems: A Concise Review. , 0, , .		23
16	Using Machine Learning Algorithms for Accurate Received Optical Power Prediction of an FSO Link over a Maritime Environment. <i>Photonics</i> , 2021, 8, 212.	2.0	21
17	DF Relayed Subcarrier FSO Links over Malaga Turbulence Channels with Phase Noise and Non-Zero Boresight Pointing Errors. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 664.	2.5	19
18	Earth-to-Earth Microwave Rain Attenuation Measurements: A Survey On the Recent Literature. <i>Symmetry</i> , 2020, 12, 1440.	2.2	18

#	ARTICLE	IF	CITATIONS
19	SIMO subcarrier PSK FSO links with phase noise and non-zero boresight pointing errors over turbulence channels. IET Communications, 2019, 13, 831-836.	2.2	17
20	An Inverse Pheromone Approach in a Chaotic Mobile Robot's Path Planning Based on a Modified Logistic Map. Technologies, 2019, 7, 84.	5.1	17
21	Performance Analysis of Hard-Switching Based Hybrid FSO/RF System over Turbulence Channels. Computation, 2019, 7, 28.	2.0	16
22	An Accurate Computational Tool for Performance Estimation of FSO Communication Links over Weak to Strong Atmospheric Turbulent Channels. Computation, 2017, 5, 18.	2.0	15
23	A chaotic path planning generator enhanced by a memory technique. Robotics and Autonomous Systems, 2021, 143, 103826.	5.1	15
24	Mixed Topology of DF Relayed Terrestrial Optical Wireless Links with Generalized Pointing Errors over Turbulence Channels. Technologies, 2018, 6, 121.	5.1	14
25	Statistical modeling of received signal strength for an FSO link over maritime environment. Optics Communications, 2021, 489, 126858.	2.1	13
26	Performance of SIMO FSO Links over Mixture Composite Irradiance Channels. Applied Sciences (Switzerland), 2019, 9, 2072.	2.5	12
27	Dissipative solitons under the action of the third-order dispersion. Physical Review E, 1999, 60, 3324-3331.	2.1	11
28	Performance of quadrature amplitude modulation orthogonal frequency division multiplexing-based free space optical links with non-linear clipping effect over gamma-gamma modelled turbulence channels. IET Optoelectronics, 2015, 9, 269-274.	3.3	11
29	Block error rate performance of OOK free-space optical links over gamma-gamma turbulence channels with generalised non-zero boresight pointing errors. IET Optoelectronics, 2018, 12, 269-272.	3.3	11
30	OFDM RoFSO Links with Relays Over Turbulence Channels and Nonzero Boresight Pointing Errors. Journal of Communications, 2017, , 644-660.	1.6	11
31	Transdermal Optical Wireless Links with Multiple Receivers in the Presence of Skin-Induced Attenuation and Pointing Errors. Computation, 2019, 7, 33.	2.0	10
32	A rain estimation model based on microwave signal attenuation measurements in the city of Ioannina, Greece. Meteorological Applications, 2020, 27, e1932.	2.1	10
33	Experimental Model Development for the Attenuation Coefficient Estimation of Terrestrial Optical Wireless Links over the Sea. Telecom, 2021, 2, 93-107.	2.6	9
34	CDMA RoFSO Links With Nonzero Boresight Pointing Errors Over M Turbulence Channels. IEEE Photonics Journal, 2018, 10, 1-12.	2.0	8
35	Time Jitter, Turbulence and Chromatic Dispersion in Underwater Optical Wireless Links. Technologies, 2020, 8, 3.	5.1	8
36	A Chaotic Path Planning Method for 3D Area Coverage Using Modified Logistic Map and a Modulo Tactic. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
37	Optical turbulence measurements and modeling over Monterey Bay. Optics Communications, 2022, 520, 128508.	2.1	6
38	Underwater Optical Wireless Communications with Chromatic Dispersion and Time Jitter. Computation, 2019, 7, 35.	2.0	5
39	Serial DF Relayed FSO Links over Mixture Gamma Turbulence Channels and Nonzero Boresight Spatial Jitter. Computation, 2019, 7, 34.	2.0	5
40	Design and Implementation of a Test Fixture for ELF Schumann Resonance Magnetic Antenna Receiver and Magnetic Permeability Measurements. Electronics (Switzerland), 2020, 9, 171.	3.1	5
41	Enhancing the error performance of optical SSK under correlated channel condition. , 2016, , .		4
42	Analysis, Synchronization and Microcontroller Implementation of a Generalized Hyperjerk System, with Application to Secure Communications Using a Descriptor Observer. , 2019, , .		4
43	The First Experimental Evidence of Chaos from a Nonlinear Circuit with a Real Memristor. , 2020, , .		4
44	Circuit Implementation of a Modified Chaotic System with Hyperbolic Sine Nonlinearities Using Bi-Color LED. Technologies, 2021, 9, 15.	5.1	4
45	RSSI Probability Density Functions Comparison Using Jensen-Shannon Divergence and Pearson Distribution. Technologies, 2021, 9, 26.	5.1	4
46	Coverage Performance of a Chaotic Mobile Robot Using an Inverse Pheromone Model. , 2019, , .		3
47	Signal Intensity Estimation in Transdermal Optical Wireless Links with Stochastic Pointing Errors Effect. Technologies, 2020, 8, 60.	5.1	3
48	Error Performance Estimation of Modulated Retroreflective Transdermal Optical Wireless Links with Diversity under Generalized Pointing Errors. Telecom, 2021, 2, 167-180.	2.6	2
49	Motion Control of a Mobile Robot Based on a Chaotic Iterative Map. , 2020, , .		1
50	Spatial Jitter Influence on the Average BLER Performance of SIMO FSO Links over Atmospheric Turbulence Channels. Electronics (Switzerland), 2021, 10, 2033.	3.1	1
51	Time and Spatial Jitter Influence on the Performance of FSO Links with DF Relays and OC Diversity Over Turbulence Channels. Photonics, 2021, 8, 318.	2.0	1
52	Performance of Underwater Wireless Optical Link Under Weak Turbulence and Pointing Errors Using Heterodyne QAM Technique. Lecture Notes in Computer Science, 2020, , 552-559.	1.3	1
53	On the Outage Capacity of Transdermal Optical Wireless Links with Stochastic Spatial Jitter and Skin-Induced Attenuation. Photonics, 2021, 8, 553.	2.0	1
54	Outage Performance Estimation of a MISO FSO System with OOK Signaling and Alamouti Type Space-Time Coding. Electronics (Switzerland), 2022, 11, 2220.	3.1	1

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55	Spatial Diversity for CDMA RoFSO Links over M Turbulence Channels with Nonzero Boresight Pointing Errors. <i>Computation</i> , 2018, 6, 55.	2.0	0
56	A Chaotic Circuit with Bi-Color LED as a Nonlinear Element. , 2020, , .		0
57	Î dualâ€hop equivalent structure of a generalised multiâ€hop freeâ€space optics network. <i>IET Communications</i> , 2021, 15, 730-735.	2.2	0
58	Influence of Pointing Errors at the Block Error Rate Performance of Strong Turbulent SIMO FSO Links. , 2021, , .		0
59	Time Jitter Influence on the Performance of PPM or PAM SIMO FSO Links over M-Turbulence Channels. , 2021, , .		0
60	Hardware Design and Implementation of a Wireless Chaotic Text Encryption Scheme. , 2021, , .		0