

# Hemani Kaushal

## List of Publications by Year in descending order

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25  
papers

2,395  
citations

933447

10  
h-index

1125743

13  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Communication in Space: Challenges and Mitigation Techniques. IEEE Communications Surveys and Tutorials, 2017, 19, 57-96.	39.4	1,027
2	Underwater Optical Wireless Communication. IEEE Access, 2016, 4, 1518-1547.	4.2	874
3	Free Space Optical Communication. Optical Networks Series, 2017, , .	1.1	190
4	Applications of Lasers for Tactical Military Operations. IEEE Access, 2017, 5, 20736-20753.	4.2	68
5	Experimental Study on Beam Wander Under Varying Atmospheric Turbulence Conditions. IEEE Photonics Technology Letters, 2011, 23, 1691-1693.	2.5	65
6	Experimental investigation of optimum beam size for FSO uplink. Optics Communications, 2017, 400, 106-114.	2.1	33
7	Analysis of free space optical link in turbulent atmosphere. Optik, 2014, 125, 2776-2779.	2.9	26
8	Lightwave Power Transfer for Federated Learning-Based Wireless Networks. IEEE Communications Letters, 2020, 24, 1472-1476.	4.1	24
9	Ground-to-Satellite Optical Communication Link Performance with Spatial Diversity in Weak Atmospheric Turbulence. Fiber and Integrated Optics, 2010, 29, 315-340.	2.5	20
10	Evaluation of performance of ground to satellite free space optical link under turbulence conditions for different intensity modulation schemes. Proceedings of SPIE, 2014, , .	0.8	14
11	Analysis of indoor FSO link under diffused channel topology. , 2015, , .		9
12	Improvement of ground to satellite fso link performance using transmit diversity in weak atmospheric turbulence. , 2010, , .		8
13	The probability of error in FSO communication system using Differential Chaos Shift Keying. Physical Communication, 2019, 34, 220-226.	2.1	8
14	Performance Analysis of FSO Communication Using Different Coding Schemes. , 2011, , .		5
15	Performance Evaluation of Free Space Optical Link Under Various Weather Conditions. Advances in Intelligent Systems and Computing, 2016, , 329-342.	0.6	5
16	Characterization of RoF GPON performance for different modulation schemes. , 2013, , .		4
17	Experimental study on aperture averaging in free space optical communication link. , 2013, , .		4
18	Performance analysis of OOK modulation scheme with spatial diversity in atmospheric turbulence. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
19	Performance Analysis in Free Space Optical Communication System Using Aperture Averaging. Advances in Intelligent Systems and Computing, 2016, , 319-327.	0.6	4
20	Acquisition time for laser uplink communication to space-borne satellite using transmit diversity in atmospheric turbulence. , 2010, , .		1
21	Turbulence Characterization for Ground to Satellite MEMS Based Free Space Optical Communication System in Weak Atmospheric Turbulence Condition. , 2011, , .		1
22	Performance Improvement with Coding of Free Space Optical Ground to Satellite Link in Atmospheric Turbulence Environment. , 2011, , .		1
23	Acquisition Time for Ground-to-Satellite Optical Communication System in Weak Atmospheric Turbulence with Spatial Diversity. Fiber and Integrated Optics, 2010, 29, 358-380.	2.5	0
24	Link Performance Improvement Techniques. Optical Networks Series, 2017, , 161-195.	1.1	0
25	Performance Analysis of Indoor Optical Wireless Links. Journal of Technology Management for Growing Economies, 2015, 6, 15-26.	1.4	0