

# Amit Grover

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

487  
citations

687363

13  
h-index

713466

21  
g-index

27  
all docs

27  
docs citations

27  
times ranked

207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and analysis of surface plasmon resonance based refractive index sensor for pregnancy testing. Optics and Lasers in Engineering, 2021, 140, 106551.	3.8	56
2	Performance analysis of 40ÅGb/s free space optics transmission based on orbital angular momentum multiplexed beams. AEJ - Alexandria Engineering Journal, 2022, 61, 5203-5212.	6.4	50
3	Ultra-high capacity long-haul PDM-16-QAM-based WDM-FSO transmission system using coherent detection and digital signal processing. Optical and Quantum Electronics, 2020, 52, 1.	3.3	47
4	Investigations on wavelength-division multiplexed fibre/FSO PON system employing DPPM scheme. Optical and Quantum Electronics, 2022, 54, 1.	3.3	39
5	4 Element compact triple band MIMO antenna for sub-6ÅGHz 5G wireless applications. Wireless Networks, 2021, 27, 3747-3759.	3.0	37
6	Millimeter-wave hybrid OFDM-MDM radio over free space optical transceiver for 5G services in desert environment. AEJ - Alexandria Engineering Journal, 2021, 60, 4275-4285.	6.4	29
7	An automatic heart disease prediction using cluster-based bi-directional LSTM (C-BiLSTM) algorithm. Neural Computing and Applications, 2023, 35, 7253-7266.	5.6	26
8	A modified ant colony optimization algorithm (mACO) for energy efficient wireless sensor networks. Optik, 2016, 127, 2169-2172.	2.9	23
9	Rate aware congestion control mechanism for wireless sensor networks. AEJ - Alexandria Engineering Journal, 2022, 61, 4765-4777.	6.4	19
10	Performance Evaluation of a 4 Å– 20-Gbps OFDM-Based FSO Link Incorporating Hybrid W-MDM Techniques. Frontiers in Physics, 2021, 9, .	2.1	18
11	Numerical investigation of spiral photonic crystal fiber (S-PCF) with supporting high order OAM modes propagation for space division multiplexing applications. Optical and Quantum Electronics, 2021, 53, 1.	3.3	17
12	A high-speed radio over free space optics transmission link under dust environment conditions employing hybrid wavelength- and mode-division multiplexing. Wireless Networks, 2021, 27, 4875-4888.	3.0	17
13	Performance analysis of mode division multiplexing based free space optics system incorporating onÅ“off keying and polarization shift keying under dynamic environmental conditions. Wireless Networks, 2020, 26, 3439-3449.	3.0	15
14	A 2Å–40ÅGbps Mode Division Multiplexing Based Inter-satellite Optical Wireless Communication (IsOWC) System. Wireless Personal Communications, 2020, 114, 2449-2460.	2.7	11
15	20Gbit/s-40ÅGHz OFDM based LEO-GEO Radio over Inter-satellite optical wireless communication (Ro-IsOWC) system using 4-QAM modulation. Optik, 2020, 206, 164295.	2.9	11
16	Performance investigation of spectral-efficient high-speed inter-satellite optical wireless communication link incorporating polarization division multiplexing. Optical and Quantum Electronics, 2021, 53, 1.	3.3	11
17	A spectral-efficient 1 Tbps terrestrial free-space optics link based on super-channel transmission. Optical and Quantum Electronics, 2021, 53, 1.	3.3	10
18	Investigations on mode-division multiplexed free-space optical transmission for inter-satellite communication link. Wireless Networks, 2022, 28, 1003-1016.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Long-Range Surface Plasmon Resonance-Based Sensitivity Study on D-shaped Ag-MgF <sub>2</sub> -Coated Models with Analyte Variations. <i>Plasmonics</i> , 2022, 17, 277-286.	3.4	8
20	Performance Investigation of a High Data Rate Mode Division Multiplexed-Free Space Optics Link Under Harsh Weather Conditions. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	8
21	Testing Solar-MAODV energy efficient model on various modulation techniques in wireless sensor and optical networks. <i>Wireless Networks</i> , 2022, 28, 413-425.	3.0	8
22	Enhanced Performance of the 4 Å– 20 Gbit/s-40ÅGHz OFDM-Based RoFSO Transmission Link Incorporating WDM-MDM of Hermite Gaussian and Laguerre Gaussian Modes. <i>Frontiers in Physics</i> , 0, 10, .	2.1	7
23	Improved Performance Investigation of 10â†Gbit/sâ†10â†GHz 4-QAM Based OFDM-Ro-FSO Transmission Link. <i>Journal of Optical Communications</i> , 2021, .	4.7	4
24	Enhanced performance analysis of a hybrid spectrum slicedâwavelength division multiplexingâmode division multiplexingâorthogonal frequency division multiplexing based radioâcoverâfree space optics. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020, 31, e3897.	3.9	3
25	4â%Å—â%2â%Å—â%20 Gbit/s-40ÅGHz Hybrid Spectrum-Sliced WDM-MDM Based Radio over FSO Transmission Link Under the Effect of Atmospheric Turbulence. <i>Wireless Personal Communications</i> , 2022, 125, 2737-2752.	2.7	2
26	Performance Analysis of 20â†Gbit/sâ†40â†GHz MDM-Ro-FSO Link Incorporating DPSK Modulation Scheme. <i>Journal of Optical Communications</i> , 2023, 44, 545-551.	4.7	1
27	Environmental Factors Affecting Covid-19 Dynamics: A Study in Bengaluru City of Karnataka State of India. <i>Wireless Personal Communications</i> , 0, , .	2.7	0