

# Amit Grover

## List of Publications by Year in descending order

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27  
papers

487  
citations

687363

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713466

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docs citations

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times ranked

207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Analysis of 20 Gbit/s 40 GHz MDM-Ro-FSO Link Incorporating DPSK Modulation Scheme. Journal of Optical Communications, 2023, 44, 545-551.	4.7	1
2	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
3	Long-Range Surface Plasmon Resonance-Based Sensitivity Study on D-shaped Ag-MgF <sub>2</sub> -Coated Models with Analyte Variations. Plasmonics, 2022, 17, 277-286.	3.4	8
4	Rate aware congestion control mechanism for wireless sensor networks. AEJ - Alexandria Engineering Journal, 2022, 61, 4765-4777.	6.4	19
5	Performance analysis of 40 Gb/s free space optics transmission based on orbital angular momentum multiplexed beams. AEJ - Alexandria Engineering Journal, 2022, 61, 5203-5212.	6.4	50
6	Testing Solar-MAODV energy efficient model on various modulation techniques in wireless sensor and optical networks. Wireless Networks, 2022, 28, 413-425.	3.0	8
7	Investigations on mode-division multiplexed free-space optical transmission for inter-satellite communication link. Wireless Networks, 2022, 28, 1003-1016.	3.0	10
8	40 Gbit/s 40 GHz Hybrid Spectrum-Sliced WDM-MDM Based Radio over FSO Transmission Link Under the Effect of Atmospheric Turbulence. Wireless Personal Communications, 2022, 125, 2737-2752.	2.7	2
9	Investigations on wavelength-division multiplexed fibre/FSO PON system employing DPPM scheme. Optical and Quantum Electronics, 2022, 54, 1.	3.3	39
10	Improved Performance Investigation of 10 Gbit/s 10 GHz 4-QAM Based OFDM-Ro-FSO Transmission Link. Journal of Optical Communications, 2021, .	4.7	4
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 spectral-efficient 1 Tbps terrestrial free-space optics link based on super-channel transmission. Optical and Quantum Electronics, 2021, 53, 1.	3.3	10
13	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
14	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
15	4 Element compact triple band MIMO antenna for sub-6 GHz 5G wireless applications. Wireless Networks, 2021, 27, 3747-3759.	3.0	37
16	Performance Investigation of a High Data Rate Mode Division Multiplexed-Free Space Optics Link Under Harsh Weather Conditions. Frontiers in Physics, 2021, 9, .	2.1	8
17	Performance Evaluation of a 4 20-Gbps OFDM-Based FSO Link Incorporating Hybrid W-MDM Techniques. Frontiers in Physics, 2021, 9, .	2.1	18
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A 240 Gbps Mode Division Multiplexing Based Inter-satellite Optical Wireless Communication (IsOWC) System. Wireless Personal Communications, 2020, 114, 2449-2460.	2.7	11
22	Enhanced performance analysis of a hybrid spectrum sliced wavelength division multiplexing mode division multiplexing orthogonal frequency division multiplexing based radio over free space optics. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3897.	3.9	3
23	Performance analysis of mode division multiplexing based free space optics system incorporating on-off keying and polarization shift keying under dynamic environmental conditions. Wireless Networks, 2020, 26, 3439-3449.	3.0	15
24	20Gbit/s-40GHz 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
25	A modified ant colony optimization algorithm (mACO) for energy efficient wireless sensor networks. Optik, 2016, 127, 2169-2172.	2.9	23
26	Environmental Factors Affecting Covid-19 Dynamics: A Study in Bengaluru City of Karnataka State of India. Wireless Personal Communications, 0, , .	2.7	0
27	Enhanced Performance of the 4 – 20 Gbit/s-40GHz OFDM-Based RoFSO Transmission Link Incorporating WDM-MDM of Hermite Gaussian and Laguerre Gaussian Modes. Frontiers in Physics, 0, 10, .	2.1	7