

Kuldeep Choudhary

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

199
citations

1040056

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h-index

1372567

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14
docs citations

14
times ranked

45
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of 1-bit and 2-bit magnitude comparators using electro-optic effect in Mach-Zehnder interferometers. Optics Communications, 2015, 357, 127-147.	2.1	49
2	Implementation of wavelength selector based on electro-optic effect in Mach-Zehnder interferometers for high speed communications. Optics Communications, 2015, 350, 108-118.	2.1	46
3	Optimized plasmonic reversible logic gate for low loss communication. Applied Optics, 2021, 60, 4567.	1.8	21
4	Recent Advances in K-SPR Sensors for the Detection of Biomolecules and Microorganisms: A Review. IEEE Sensors Journal, 2022, 22, 11415-11426.	4.7	14
5	Design of an Optical OR Gate using Mach-Zehnder Interferometers. Journal of Optical Communications, 2018, 39, 161-165.	4.7	13
6	Implementation of highly optimized optical all logic gates on a single chip using Ti-diffused lithium-niobate for high-speed processing in combinational circuits. Microelectronics Journal, 2021, 111, 105048.	2.0	12
7	Design of pseudorandom binary sequence generator using lithium-niobate-based Mach-Zehnder interferometers. Optical Engineering, 2017, 56, 057104.	1.0	11
8	Implementation of an optical universal one-bit arithmetic logical circuit for high-speed processing combinational circuits. Optical and Quantum Electronics, 2020, 52, 1.	3.3	10
9	2D material-based optical sensors: a review. ISSS Journal of Micro and Smart Systems, 2022, 11, 169-177.	2.0	10
10	Graphene and Its Immense Contribution in Defense and Security: A Review. Analytical Chemistry Letters, 2022, 12, 1-12.	1.0	10
11	Implementation of 3-bit binary to Excess-3 code converter using Mach-Zehnder interferometer. , 2017, , .		1
12	Design of all-optical OR/NAND logic gate using plasmonic metal-insulator-metal waveguide. , 2021, , .		1
13	Design and analysis of all optical reflective code using MIM waveguides in Mach-Zehnder interferometer. , 2022, , .		1
14	Design of all-optical 2x1 line selector using metal-insulator-metal plasmonic waveguide based Mach-Zehnder interferometer. , 2022, , .		0