Lokendra Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8977105/publications.pdf

Version: 2024-02-01

35	599	687363 13	610901 24
papers	citations	h-index	g-index

37	37	37	309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	All-Optical Switching Device Using Plasmonic Mach-Zehnder Interferometer Structure. Journal of Optical Communications, 2022, 43, 191-197.	4.7	3
2	Recent advancements in plasmonic optical biosensors: a review. ISSS Journal of Micro and Smart Systems, 2022, 11, 31-42.	2.0	7
3	A Plus Shaped Cavity in Optical Fiber Based Refractive Index Sensor. IEEE Transactions on Nanobioscience, 2022, 21, 199-205.	3.3	3
4	Highly Sensitive Plus Shaped Cavity in Silicon Fiber for RI Detection of Water Samples. Silicon, 2022, 14, 7819-7828.	3.3	1
5	Numerical investigation of all optical SR flip-flop using plasmonic metalâ€“insulator-metal (MIM) waveguides. Optical and Quantum Electronics, 2022, 54, .	3.3	5
6	A compact formulation of all optical signal router by using plasmonic waveguides. Optical and Quantum Electronics, 2022, 54, .	3.3	7
7	A compact realization of Feynman Reversible and NOR logic gate using Plasmonic waveguide based MZI for all-optical signal processing. Optics Communications, 2022, 522, 128707.	2.1	3
8	Tapered Optical Fiber-Based LSPR Biosensor for Ascorbic Acid Detection. Photonic Sensors, 2021, 11, 418-434.	5.0	29
9	Numerical simulation of all-optical logic functions at micrometer scale by using plasmonic Metal-Insulator-Metal (MIM) waveguides. Optics and Laser Technology, 2021, 135, 106697.	4.6	10
10	A Microscale Numerical Analysis of Ex-OR and Ex-NOR Logic Gates by Using Single Plasmonic MZI. Plasmonics, 2021, 16, 1127-1136.	3.4	9
11	A novel plus shaped cavity based optical fiber sensor for the detection of Escherichia-Coli. Results in Optics, 2021, 5, 100156.	2.0	3
12	Gold Nanoparticles and Uricase Functionalized Tapered Fiber Sensor for Uric Acid Detection. IEEE Sensors Journal, 2020, 20, 219-226.	4.7	56
13	Detection of Collagen-IV Using Highly Reflective Metal Nanoparticlesâ€”Immobilized Photosensitive Optical Fiber-Based MZI Structure. IEEE Transactions on Nanobioscience, 2020, 19, 477-484.	3.3	45
14	Development of Collagen-IV Sensor Using Optical Fiber-Based Mach-Zehnder Interferometer Structure. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.9	30
15	Localized Surface Plasmon Resonance Based Hetero-Core Optical Fiber Sensor Structure for the Detection of L-Cysteine. IEEE Nanotechnology Magazine, 2020, 19, 201-208.	2.0	53
16	Highly sensitive and selective sensor probe using glucose oxidase/gold nanoparticles/graphene oxide functionalized tapered optical fiber structure for detection of glucose. Optik, 2020, 208, 164536.	2.9	66
17	LSPR based uric acid sensor using graphene oxide and gold nanoparticles functionalized tapered fiber. Optical Fiber Technology, 2019, 53, 102043.	2.7	65
18	Modeling and design of tin doped group IV alloy based QWEAM. Optical and Quantum Electronics, 2019, 51, 1.	3.3	0

#	Article	IF	Citations
19	Design of All-Optical Universal Gates Using Plasmonics Mach-Zehnder Interferometer for WDM Applications. Plasmonics, 2018, 13, 1277-1286.	3.4	42
20	Modeling and Design of Tin Doped Group IV Alloy Based QWEAM. , 2018, , .		0
21	SPR based hybrid plasmonic waveguide sensor for detection of causes of anemia in Homosapiens. , 2018, , .		1
22	Theoretical investigation of electro-absorption in strain compensated Tin doped group IV alloy based quantum well. , 2018, , .		0
23	Monitoring of blood protein using double slot hybrid plasmonic waveguide. , 2018, , .		0
24	Design of One-Bit Magnitude Comparator Using Nonlinear Plasmonic Waveguide. Plasmonics, 2017, 12, 369-375.	3.4	46
25	Design of XOR/AND gate using 2D photonic crystal principle. Proceedings of SPIE, 2017, , .	0.8	19
26	Design of signal router employing optical switching in MIM plasmonic waveguides. , 2017, , .		1
27	Modeling of all-optical 3x8 line decoder using optical Kerr effect in plasmonic metal-insulator-metal waveguides. Proceedings of SPIE, 2017, , .	0.8	6
28	Modeling of all-optical even and odd parity generator circuits using metal-insulator-metal plasmonic waveguides. Photonic Sensors, 2017, 7, 182-192.	5.0	11
29	All-optical bit magnitude comparator device using metalâ€“insulatorâ€“metal plasmonic waveguide. Optical Engineering, 2017, 56, 121908.	1.0	17
30	Design of plasmonic half-adder and half-subtractor circuits employing nonlinear effect in Machâ€“Zehnder interferometer. Journal of Computational Electronics, 2017, 16, 139-147.	2.5	29
31	Design of Full-Adder and Full-Subtractor Using Metal-Insulator-Metal Plasmonic Waveguides. Plasmonics, 2017, 12, 987-997.	3.4	16
32	Diethyl Ether Sensor using Double Nanoslot Hybrid Plasmonic Waveguide. , 2017, , .		1
33	Analysis of Double Slot Hybrid Plasmonic Ring Resonator with different dielectric materials in Nanoslots. , 2017, , .		1
34	Proposed new approach to design all optical AND gate using plasmonic based Mach-Zehnder interferometer for high speed communication. , 2016, , .		13
35	Application of Fiber Optics in Bio-Sensing. , 0, , .		1