

Lokendra Singh

List of Publications by Year in descending order

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35
papers

599
citations

687363

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37
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly sensitive and selective sensor probe using glucose oxidase/gold nanoparticles/graphene oxide functionalized tapered optical fiber structure for detection of glucose. <i>Optik</i> , 2020, 208, 164536.	2.9	66
2	LSPR based uric acid sensor using graphene oxide and gold nanoparticles functionalized tapered fiber. <i>Optical Fiber Technology</i> , 2019, 53, 102043.	2.7	65
3	Gold Nanoparticles and Uricase Functionalized Tapered Fiber Sensor for Uric Acid Detection. <i>IEEE Sensors Journal</i> , 2020, 20, 219-226.	4.7	56
4	Localized Surface Plasmon Resonance Based Hetero-Core Optical Fiber Sensor Structure for the Detection of L-Cysteine. <i>IEEE Nanotechnology Magazine</i> , 2020, 19, 201-208.	2.0	53
5	Design of One-Bit Magnitude Comparator Using Nonlinear Plasmonic Waveguide. <i>Plasmonics</i> , 2017, 12, 369-375.	3.4	46
6	Detection of Collagen-IV Using Highly Reflective Metal Nanoparticles Immobilized Photosensitive Optical Fiber-Based MZI Structure. <i>IEEE Transactions on Nanobioscience</i> , 2020, 19, 477-484.	3.3	45
7	Design of All-Optical Universal Gates Using Plasmonics Mach-Zehnder Interferometer for WDM Applications. <i>Plasmonics</i> , 2018, 13, 1277-1286.	3.4	42
8	Development of Collagen-IV Sensor Using Optical Fiber-Based Mach-Zehnder Interferometer Structure. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-8.	1.9	30
9	Design of plasmonic half-adder and half-subtractor circuits employing nonlinear effect in Mach-Zehnder interferometer. <i>Journal of Computational Electronics</i> , 2017, 16, 139-147.	2.5	29
10	Tapered Optical Fiber-Based LSPR Biosensor for Ascorbic Acid Detection. <i>Photonic Sensors</i> , 2021, 11, 418-434.	5.0	29
11	Design of XOR/AND gate using 2D photonic crystal principle. <i>Proceedings of SPIE</i> , 2017, , .	0.8	19
12	All-optical bit magnitude comparator device using metal-insulator-metal plasmonic waveguide. <i>Optical Engineering</i> , 2017, 56, 121908.	1.0	17
13	Design of Full-Adder and Full-Subtractor Using Metal-Insulator-Metal Plasmonic Waveguides. <i>Plasmonics</i> , 2017, 12, 987-997.	3.4	16
14	Proposed new approach to design all optical AND gate using plasmonic based Mach-Zehnder interferometer for high speed communication. , 2016, , .		13
15	Modeling of all-optical even and odd parity generator circuits using metal-insulator-metal plasmonic waveguides. <i>Photonic Sensors</i> , 2017, 7, 182-192.	5.0	11
16	Numerical simulation of all-optical logic functions at micrometer scale by using plasmonic Metal-Insulator-Metal (MIM) waveguides. <i>Optics and Laser Technology</i> , 2021, 135, 106697.	4.6	10
17	A Microscale Numerical Analysis of Ex-OR and Ex-NOR Logic Gates by Using Single Plasmonic MZI. <i>Plasmonics</i> , 2021, 16, 1127-1136.	3.4	9
18	Recent advancements in plasmonic optical biosensors: a review. <i>ISSS Journal of Micro and Smart Systems</i> , 2022, 11, 31-42.	2.0	7

#	ARTICLE	IF	CITATIONS
19	A compact formulation of all optical signal router by using plasmonic waveguides. Optical and Quantum Electronics, 2022, 54, .	3.3	7
20	Modeling of all-optical 3x8 line decoder using optical Kerr effect in plasmonic metal-insulator-metal waveguides. Proceedings of SPIE, 2017, , .	0.8	6
21	Numerical investigation of all optical SR flip-flop using plasmonic metal-insulator-metal (MIM) waveguides. Optical and Quantum Electronics, 2022, 54, .	3.3	5
22	All-Optical Switching Device Using Plasmonic Mach-Zehnder Interferometer Structure. Journal of Optical Communications, 2022, 43, 191-197.	4.7	3
23	A novel plus shaped cavity based optical fiber sensor for the detection of Escherichia-Coli. Results in Optics, 2021, 5, 100156.	2.0	3
24	A Plus Shaped Cavity in Optical Fiber Based Refractive Index Sensor. IEEE Transactions on Nanobioscience, 2022, 21, 199-205.	3.3	3
25	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
26	Design of signal router employing optical switching in MIM plasmonic waveguides. , 2017, , .		1
27	SPR based hybrid plasmonic waveguide sensor for detection of causes of anemia in Homosapiens. , 2018, , .		1
28	Diethyl Ether Sensor using Double Nanoslot Hybrid Plasmonic Waveguide. , 2017, , .		1
29	Analysis of Double Slot Hybrid Plasmonic Ring Resonator with different dielectric materials in Nanoslots. , 2017, , .		1
30	Application of Fiber Optics in Bio-Sensing. , 0, , .		1
31	Highly Sensitive Plus Shaped Cavity in Silicon Fiber for RI Detection of Water Samples. Silicon, 2022, 14, 7819-7828.	3.3	1
32	Modeling and Design of Tin Doped Group IV Alloy Based QWEAM. , 2018, , .		0
33	Modeling and design of tin doped group IV alloy based QWEAM. Optical and Quantum Electronics, 2019, 51, 1.	3.3	0
34	Theoretical investigation of electro-absorption in strain compensated Tin doped group IV alloy based quantum well. , 2018, , .		0
35	Monitoring of blood protein using double slot hybrid plasmonic waveguide. , 2018, , .		0