Shiva Khani

List of Publications by Year
in descending order

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20 papers	832 citations	394421 19 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	205 citing authors

#	Article	IF	Citations
1	Optical sensing in single-mode filters base on surface plasmon H-shaped cavities. Optics Communications, 2022, 505, 127534.	2.1	37
2	Optical biosensors using plasmonic and photonic crystal band-gap structures for the detection of basal cell cancer. Scientific Reports, 2022, 12, 5246.	3.3	47
3	Fano Resonance Using Surface Plasmon Polaritons in a Nano-disk Resonator Coupled to Perpendicular Waveguides for Amplitude Modulation Applications. Plasmonics, 2021, 16, 1891-1908.	3.4	10
4	Reconfigurable and scalable 2,4-and 6-channel plasmonics demultiplexer utilizing symmetrical rectangular resonators containing silver nano-rod defects with FDTD method. Scientific Reports, 2021, 11, 13628.	3.3	26
5	An ultra-high sensitive plasmonic refractive index sensor using an elliptical resonator and MIM waveguide. Superlattices and Microstructures, 2021, 156, 106970.	3.1	56
6	Plasmonic all-optical metalâ€“insulatorâ€“metal switches based on silver nano-rods, comprehensive theoretical analysis and design guidelines. Journal of Computational Electronics, 2021, 20, 442-457.	2.5	34
7	Compact Ultra-Wide Upper Stopband Microstrip Dual-Band BPF Using Tapered and Octagonal Loop Resonators. Frequenz, 2020, 74, 61-71.	0.9	29
8	All-Optical Plasmonic Switches Based on Asymmetric Directional Couplers Incorporating Bragg Gratings. Plasmonics, 2020, 15, 869-879.	3.4	26
9	Realization of a plasmonic optical switch using improved nano-disk resonators with Kerr-type nonlinearity: A theoretical and numerical study on challenges and solutions. Optics Communications, 2020, 477, 126359.	2.1	28
10	Hybrid all-optical infrared metal-insulator-metal plasmonic switch incorporating photonic crystal bandgap structures. Photonics and Nanostructures - Fundamentals and Applications, 2020, 40, 100802.	2.0	31
11	Compact and low-power all-optical surface plasmon switches with isolated pump and data waveguides and a rectangular cavity containing nano-silver strips. Superlattices and Microstructures, 2020, 141, 106481.	3.1	28
12	Design of a Single-Mode Plasmonic Bandpass Filter Using a Hexagonal Resonator Coupled to Graded-Stub Waveguides. Plasmonics, 2019, 14, 53-62.	3.4	66
13	Miniaturized microstrip dual-band bandpass filter with wide upper stop-band bandwidth. Analog Integrated Circuits and Signal Processing, 2019, 98, 367-376.	1.4	43
14	Tunable singleâ€mode bandpass filter based on metalâ€“insulatorâ€“metal plasmonic coupled Uâ€shaped cavities. IET Optoelectronics, 2019, 13, 161-171.	3.3	51
15	Design of all-optical graphene switches based on a Mach-Zehnder interferometer employing optical Kerr effect. Superlattices and Microstructures, 2019, 135, 106244.	3.1	50
16	Size reduction of MIM surface plasmon based optical bandpass filters by the introduction of arrays of silver nano-rods. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 113, 25-34.	2.7	45
17	Tunable compact microstrip dualâ€band bandpass filter with tapered resonators. Microwave and Optical Technology Letters, 2018, 60, 1256-1261.	1.4	41
18	Realization of single-mode plasmonic bandpass filters using improved nanodisk resonators. Optics Communications, 2018, 420, 147-156.	2.1	89

#	Article	IF	Citations
19	Double and triple-wavelength plasmonic demultiplexers based on improved circular nanodisk resonators. Optical Engineering, 2018, 57, 1.	1.0	59
20	Adjustable compact dualâ€band microstrip bandpass filter using Tâ€shaped resonators. Microwave and Optical Technology Letters, 2017, 59, 2970-2975.	1.4	36