# Shiva Khani

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5603652/publications.pdf

Version: 2024-02-01

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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 | Realization of single-mode plasmonic bandpass filters using improved nanodisk resonators. Optics Communications, 2018, 420, 147-156. | 2.1 | 89 |
| 2 | 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 |
| 3 | Double and triple-wavelength plasmonic demultiplexers based on improved circular nanodisk resonators. Optical Engineering, 2018, 57, 1. | 1.0 | 59 |
| 4 | An ultra-high sensitive plasmonic refractive index sensor using an elliptical resonator and MIM waveguide. Superlattices and Microstructures, 2021, 156, 106970. | 3.1 | 56 |
| 5 | Tunable singleâ€mode bandpass filter based on metalâ€“insulatorâ€“metal plasmonic coupled Uâ€shaped cavities. IET Optoelectronics, 2019, 13, 161-171. | 3.3 | 51 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Tunable compact microstrip dualâ€band bandpass filter with tapered resonators. Microwave and Optical Technology Letters, 2018, 60, 1256-1261. | 1.4 | 41 |
| 11 | Optical sensing in single-mode filters base on surface plasmon H-shaped cavities. Optics Communications, 2022, 505, 127534. | 2.1 | 37 |
| 12 | Adjustable compact dualâ€band microstrip bandpass filter using Tâ€shaped resonators. Microwave and Optical Technology Letters, 2017, 59, 2970-2975. | 1.4 | 36 |
| 13 | 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 |
| 14 | 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 |
| 15 | Compact Ultra-Wide Upper Stopband Microstrip Dual-Band BPF Using Tapered and Octagonal Loop Resonators. Frequenz, 2020, 74, 61-71. | 0.9 | 29 |
| 16 | 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 |
| 17 | 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 |
| 18 | All-Optical Plasmonic Switches Based on Asymmetric Directional Couplers Incorporating Bragg Gratings. Plasmonics, 2020, 15, 869-879. | 3.4 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |