

Mohammad Mahdi Ariannejad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1006895/publications.pdf>

Version: 2024-02-01

46
papers

324
citations

1040056

9
h-index

940533

16
g-index

47
all docs

47
docs citations

47
times ranked

295
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of cladding thicknesses on silver SPR based side-polished optical fiber refractive-index sensor. Results in Physics, 2019, 13, 102255.	4.1	53
2	Variable Waist-Diameter Mach-Zehnder Tapered-Fiber Interferometer as Humidity and Temperature Sensor. IEEE Sensors Journal, 2016, 16, 5987-5992.	4.7	39
3	Polarization dependence of SU-8 micro ring resonator. Results in Physics, 2018, 11, 515-522.	4.1	17
4	High sensitive temperature sensor silicon-based microring resonator using the broadband input spectrum. Results in Physics, 2018, 9, 1578-1584.	4.1	16
5	A large free spectral range of 74.92 GHz in comb peaks generated by SU-8 polymer micro-ring resonators: simulation and experiment. Laser Physics, 2018, 28, 115002.	1.2	14
6	Gold Cone Metasurface MIC Sensor with Monolayer of Graphene and Multilayer of Graphite. Plasmonics, 2017, 12, 497-508.	3.4	13
7	Fast and slow light generated by surface plasmon wave and gold grating coupling effects. Indian Journal of Physics, 2018, 92, 789-798.	1.8	11
8	A widely tunable dual-wavelength based on a microring resonator filter device. Laser Physics, 2018, 28, 065101.	1.2	11
9	Tunable multi-wavelength generation using InGaAsP/InP microring resonator with detectable resonance wavelength shift due to a sensing cladding section. Chinese Journal of Physics, 2016, 54, 780-787.	3.9	9
10	Computation of ion exchange buried microring resonator waveguide for THz communication applications. Results in Physics, 2018, 10, 287-290.	4.1	9
11	Silicon microring resonator waveguide-based graphene photodetector. Microsystem Technologies, 2019, 25, 319-328.	2.0	9
12	Transmission performances of solitons in optical wired link. Applied Computing and Informatics, 2017, 13, 92-99.	5.9	8
13	Spectral detection of graphene and graphene oxide with SU-8 based asymmetry tripled-Arm Mach Zehnder. Optik, 2018, 154, 93-99.	2.9	8
14	Visible Wireless Communications Using Solitonic Carriers Generated by Microring Resonators (MRRs). Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 1595-1601.	1.5	7
15	Microring resonator made by ion-exchange technique for detecting the CO ₂ , H ₂ O, and NaCl as cladding layer. Journal of King Saud University - Science, 2019, 31, 27-32.	3.5	7
16	Performances and procedures modules in micro electro mechanical system packaging technologies. Results in Physics, 2018, 11, 306-314.	4.1	6
17	Semiconducting subwavelength and nonsubwavelength grating microring resonator as a femtosecond time delay: a comparative analysis. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2073.	2.1	6
18	Design of optical Mach-Zehnder interferometer using ion exchange method for biosensing. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
19	PERFORMANCE ANALYSIS OF COPPER TIN SULFIDE, Cu_2SnS_3 (CTS) WITH VARIOUS BUFFER LAYERS BY USING SCAPS IN SOLAR CELLS. <i>Surface Review and Letters</i> , 2017, 24, 1750073.	1.1	5
20	Vertical Ge photodetector base on InP taper waveguide. <i>Results in Physics</i> , 2018, 9, 576-579.	4.1	5
21	Modeling optical transmissivity of graphene grate in on-chip silicon photonic device. <i>Results in Physics</i> , 2018, 9, 1044-1049.	4.1	5
22	Panda resonator structure to generate four-wave mixing by nonlinear effect. <i>Optik</i> , 2019, 180, 900-905.	2.9	5
23	Design of optical splitter using ion-exchange method for DNA bio-sensor. <i>Journal of King Saud University - Science</i> , 2019, 31, 549-555.	3.5	5
24	Simulation of mode lock lasers using microring resonators integrated with InGaAsP saturable absorbers. <i>Indian Journal of Physics</i> , 2017, 91, 1411-1415.	1.8	4
25	A simple humidity sensor utilizing air-gap as sensing part of the Mach-Zehnder interferometer. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	3.3	4
26	Simulation of microring resonator filters based ion-exchange buried waveguide using nano layer of graphene. <i>Journal of Optics (India)</i> , 2017, 46, 506-514.	1.7	4
27	Growth of magnetic binary metal oxides on reduced graphene oxide sheets and its application as saturable absorber in mode-locked Tm/Ho Co-doped fiber laser. <i>Optical Materials</i> , 2020, 109, 110293.	3.6	4
28	Double-side polished fiber for generation of mode-locked fiber lasers. <i>Optics Communications</i> , 2021, 479, 126476.	2.1	4
29	Silicon sub-wavelength grating resonator structures for gas sensor. <i>Superlattices and Microstructures</i> , 2020, 142, 106506.	3.1	4
30	Multiband dual polarized OFDM signal: Generation and distribution over fiber. <i>Optik</i> , 2017, 131, 899-905.	2.9	3
31	Channel resolution enhancement through scalability of nano/micro-scale thickness and width of SU-8 polymer based optical channels using UV lithography. <i>Microsystem Technologies</i> , 2018, 24, 1673-1681.	2.0	3
32	Quality factor investigation by using trapezoidal subwavelength grating waveguide micro-ring resonator based on graphene. <i>Results in Physics</i> , 2018, 10, 304-307.	4.1	3
33	Silicon racetrack resonator based on nonlinear material. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	3
34	Silicon dumbbell-shaped micro-ring resonator for glucose monitoring. <i>European Physical Journal D</i> , 2022, 76, .	1.3	3
35	Design of an 8-cell Dual Port SRAM in 0.18- μ m CMOS Technology. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 5, 2565-2568.	0.1	2
36	Enhanced Photoresponsivity From Hybrid-ZnO Nanowires With White LED 400-700-nm Illumination. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-6.	1.9	2

#	ARTICLE	IF	CITATIONS
37	Mode-locked Erbium-doped fiber laser generation using hybrid ZnO/GO saturable absorber. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012046.	0.6	2
38	Design of optical single mode splitter using ion exchange method for ammonia biosensor. , 2015, , .		1
39	Micro-ring resonator made by ion exchange technique and detecting benzene (C ₆ H ₆), propanol (C ₃ H ₇ OH) and methane (CH ₄) as cladding layer. Laser Physics, 2018, 28, 106201.	1.2	1
40	Half panda waveguide structure in the generation of four-wave mixing. Optik, 2019, 183, 999-1007.	2.9	1
41	Urea sensor by racetrack silicon resonator. Optik, 2020, 208, 164042.	2.9	1
42	Narrow bandwidth optimization using a polymer microring resonator in a thulium-holmium fiber laser cavity. Optics Communications, 2020, 466, 125574.	2.1	1
43	Germanium Photodetection Improvements Using InP Bragg Grating. Journal of Nanoelectronics and Optoelectronics, 2018, 13, 1383-1388.	0.5	1
44	Atomic force microscope base nanolithography for reproducible micro and nanofabrication. , 2014, , .		0
45	Analysis of semiconductor InGaAsP/InP coupled microring resonators (CMRR) by time-domain travelling wave (TDTW) method. Journal of Optics (India), 2017, 46, 311-319.	1.7	0
46	On comparison of the temperature sensitivity of SU-8-based triple-arm MZI against straight rib optical waveguides patterned on silicon wafer. Indian Journal of Physics, 2019, 93, 385-391.	1.8	0