Mahdi Bahadoran

List of Publications by Year
in descending order

40	441	687363 13	752698 20
papers	citations	h-index	g-index

44	44	44	165
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast all-optical switching using signal flow graph for PANDA resonator. Applied Optics, 2013, 52, 2866.	1.8	38
2	Modeling and Analysis of a Microresonating Biosensor for Detection of Salmonella Bacteria in Human Blood. Sensors, 2014, 14, 12885-12899.	3.8	37
3	Analytical Vernier Effects of a PANDA Ring Resonator for Microforce Sensing Application. IEEE Nanotechnology Magazine, 2012, 11, 707-712.	2.0	30
4	Graphical Approach for Nonlinear Optical Switching by PANDA Vernier Filter. IEEE Photonics Technology Letters, 2013, 25, 1470-1473.	2.5	27
5	Slow light generation using microring resonators for optical buffer application. Optical Engineering, 2012, 51, 044601.	1.0	26
6	Nano force sensing using symmetric double stage micro resonator. Measurement: Journal of the International Measurement Confederation, 2014, 58, 215-220.	5.0	23
7	Detection of Salmonella bacterium in drinking water using microring resonator. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 315-321.	2.8	23
8	Label free identification of the different status of anemia disease using optimized double-slot cascaded microring resonator. Scientific Reports, 2022, 12, 5548.	3.3	19
9	LIGHT PULSE IN A MODIFIED ADD-DROP OPTICAL FILTER FOR OPTICAL TWEEZERS GENERATION. Journal of Nonlinear Optical Physics and Materials, 2012, 21, 1250047.	1.8	18
10	Nanometer Bandwidth Soliton Generation and Experimental Transmission Within Nonlinear Fiber Optics Using an Add-Drop Filter System. Journal of Computational and Theoretical Nanoscience, 2015, 12, 221-225.	0.4	17
11	Double critical coupled ring resonator-based addâ€“drop filters. Journal of Theoretical and Applied Physics, 2019, 13, 213-220.	1.4	17
12	Rabi oscillation generation in the microring resonator system with double-series ring resonators. Optoelectronics Letters, 2015, 11, 342-347.	0.8	16
13	Detection of Escherichia coli K12 in Water Using Slot Waveguide in Cascaded Ring Resonator. Silicon, 2022, 14, 851-857.	3.3	15
14	All-optical notch filters for ultra-wideband chaotic communications. European Physical Journal Plus, 2018, 133, 1.	2.6	14
15	An analytical model and ANN simulation for carbon nanotube based ammonium gas sensors. RSC Advances, 2014, 4, 36896-36904.	3.6	11
16	Analytical microring stereo system using coupled mode theory and application. Applied Optics, 2019, 58, 8167.	1.8	11
17	Modified Add-Drop Microring Resonator for Temperature Sensing. Journal of Computational and Theoretical Nanoscience, 2015, 12, 3188-3193.	0.4	10
18	Label-free biosensor array comprised of Vernier microring resonator and 3â€‰Ã—â€‰3 optical coupler. European Physical Journal Plus, 2020, 135, 1.	2.6	10

#	Article	IF	Citations
19	Ultra-sensitive pressure sensor using double stage racetrack silicon micro resonator. Optical and Quantum Electronics, 2020, 52, 1.	3.3	10
20	Butterfly-like phase shift: a novel gauge for critical coupling of addâ€“drop resonator. Journal of Theoretical and Applied Physics, 2018, 12, 127-134.	1.4	9
21	Electroâ€optic conversion circuit incorporating a fiber optic loop for light fidelity upâ€down link use. Microwave and Optical Technology Letters, 2019, 61, 526-531.	1.4	9
22	Sensing and identification of carbon monoxide using carbon films fabricated by methane arc discharge decomposition technique. Nanoscale Research Letters, 2014, 9, 402.	5.7	6
23	Optimum light transmission via microring resonator under a lossyâ€coupler critical coupling condition. Microwave and Optical Technology Letters, 2021, 63, 653-661.	1.4	6
24	ALL-OPTICAL HYSTERESIS SWITCHING USING MOBIUS CONFIGURATION MICRORING RESONATOR CIRCUIT. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	5
25	Bifurcation behaviors generated by Pandaâ€ring control circuit. Microwave and Optical Technology Letters, 2019, 61, 1783-1787.	1.4	5
26	Design and modeling of double Panda-microring resonator as multi-band optical filter. Nano Communication Networks, 2021, 29, 100352.	2.9	5
27	Z-TRANSFORM METHOD FOR OPTIMIZATION OF ADD-DROP CONFIGURATION SYSTEM. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	5
28	A survey of the new proposal about the photon momentum. Optik, 2017, 139, 6-8.	2.9	3
29	Realizing unique bifurcation model in a cascaded microring feedback circuit. Optical and Quantum Electronics, 2020, 52, 1.	3.3	3
30	Analytical Treatment and Modeling of Integrated Ring Resonator Device by Z-Transform Method for Signals Amplification. Journal of Computational and Theoretical Nanoscience, 2015, 12, 2253-2258.	0.4	2
31	ANALYSIS OF TEMPERATURE SENSOR IN ALL-PASS MICRORING RESONATOR. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT	0.4	2
32	SENSITIVITY MEASUREMENT OF FIBRE BRAGG GRATING SENSOR. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.4	2
33	Sensitivity Measurement of Fibre Bragg Grating System for Temperature Sensor Application. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5778-5780.	0.4	2
34	Micro-opto-mechanical pressure sensor via ring resonator-based Machâ€“Zehnder interferometer. European Physical Journal Plus, 2022, 137, 1.	2.6	2
35	EFFECT TEMPERATURE IN CHEMICAL SENSING USING TRIPLE STAGE MICRORING RESONATOR. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	1
36	Terahertz cherenkov radiation excited by an electron beam in a cylindrical metallic rippled-wall waveguide. Optik, 2020, 208, 164127.	2.9	0

#	Article	IF	Citations
37	The U/Th production ratio from extended independent model. European Physical Journal Plus, 2020, 135, 1.	2.6	0
38	TEMPERATURE EFFECT ON REFRACTOMETRIC DOUBLE RING RESONATOR. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock	0.4	0
39	OPTICAL BISTABILITY IN ALL-PASS MOBIUS CONFIGURATION MICRORING RESONATOR. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0
40	NUMERICAL STUDIES OF ION BEAM IN NX2 PLASMA FOCUS FOR DIFFERENT APPLIED VOLTAGE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0