

# Mahdi Bahadoran

## List of Publications by Year in descending order

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40  
papers

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687363

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752698

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44  
docs citations

44  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Escherichia coli K12 in Water Using Slot Waveguide in Cascaded Ring Resonator. Silicon, 2022, 14, 851-857.	3.3	15
2	Micro-opto-mechanical pressure sensor via ring resonator-based Mach-Zehnder interferometer. European Physical Journal Plus, 2022, 137, 1.	2.6	2
3	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
4	Optimum light transmission via microring resonator under a lossy coupler critical coupling condition. Microwave and Optical Technology Letters, 2021, 63, 653-661.	1.4	6
5	Design and modeling of double Panda-microring resonator as multi-band optical filter. Nano Communication Networks, 2021, 29, 100352.	2.9	5
6	Terahertz cherenkov radiation excited by an electron beam in a cylindrical metallic rippled-wall waveguide. Optik, 2020, 208, 164127.	2.9	0
7	Label-free biosensor array comprised of Vernier microring resonator and 3 optical coupler. European Physical Journal Plus, 2020, 135, 1.	2.6	10
8	Ultra-sensitive pressure sensor using double stage racetrack silicon micro resonator. Optical and Quantum Electronics, 2020, 52, 1.	3.3	10
9	The U/Th production ratio from extended independent model. European Physical Journal Plus, 2020, 135, 1.	2.6	0
10	Realizing unique bifurcation model in a cascaded microring feedback circuit. Optical and Quantum Electronics, 2020, 52, 1.	3.3	3
11	Double critical coupled ring resonator-based add-drop filters. Journal of Theoretical and Applied Physics, 2019, 13, 213-220.	1.4	17
12	Bifurcation behaviors generated by Panda-ring control circuit. Microwave and Optical Technology Letters, 2019, 61, 1783-1787.	1.4	5
13	Electro-optic conversion circuit incorporating a fiber optic loop for light fidelity up-down link use. Microwave and Optical Technology Letters, 2019, 61, 526-531.	1.4	9
14	Analytical microring stereo system using coupled mode theory and application. Applied Optics, 2019, 58, 8167.	1.8	11
15	All-optical notch filters for ultra-wideband chaotic communications. European Physical Journal Plus, 2018, 133, 1.	2.6	14
16	Butterfly-like phase shift: a novel gauge for critical coupling of add-drop resonator. Journal of Theoretical and Applied Physics, 2018, 12, 127-134.	1.4	9
17	A survey of the new proposal about the photon momentum. Optik, 2017, 139, 6-8.	2.9	3
18	ANALYSIS OF TEMPERATURE SENSOR IN ALL-PASS MICRORING RESONATOR. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlo	0.4	2

#	ARTICLE	IF	CITATIONS
19	SENSITIVITY MEASUREMENT OF FIBRE BRAGG GRATING SENSOR. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
20	Detection of <i>Salmonella</i> bacterium in drinking water using microring resonator. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 315-321.	2.8	23
21	NUMERICAL STUDIES OF ION BEAM IN NX2 PLASMA FOCUS FOR DIFFERENT APPLIED VOLTAGE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
22	Modified Add-Drop Microring Resonator for Temperature Sensing. Journal of Computational and Theoretical Nanoscience, 2015, 12, 3188-3193.	0.4	10
23	ALL-OPTICAL HYSTERESIS SWITCHING USING MOBIUS CONFIGURATION MICRORING RESONATOR CIRCUIT. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	5
24	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
25	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
26	Rabi oscillation generation in the microring resonator system with double-series ring resonators. Optoelectronics Letters, 2015, 11, 342-347.	0.8	16
27	Z-TRANSFORM METHOD FOR OPTIMIZATION OF ADD-DROP CONFIGURATION SYSTEM. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	5
28	Sensitivity Measurement of Fibre Bragg Grating System for Temperature Sensor Application. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5778-5780.	0.4	2
29	TEMPERATURE EFFECT ON REFRACTOMETRIC DOUBLE RING RESONATOR. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0
30	EFFECT TEMPERATURE IN CHEMICAL SENSING USING TRIPLE STAGE MICRORING RESONATOR. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	1
31	OPTICAL BISTABILITY IN ALL-PASS MOBIUS CONFIGURATION MICRORING RESONATOR. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0
32	Modeling and Analysis of a Microresonating Biosensor for Detection of Salmonella Bacteria in Human Blood. Sensors, 2014, 14, 12885-12899.	3.8	37
33	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
34	An analytical model and ANN simulation for carbon nanotube based ammonium gas sensors. RSC Advances, 2014, 4, 36896-36904.	3.6	11
35	Nano force sensing using symmetric double stage micro resonator. Measurement: Journal of the International Measurement Confederation, 2014, 58, 215-220.	5.0	23
36	Graphical Approach for Nonlinear Optical Switching by PANDA Vernier Filter. IEEE Photonics Technology Letters, 2013, 25, 1470-1473.	2.5	27

#	ARTICLE	IF	CITATIONS
37	Ultrafast all-optical switching using signal flow graph for PANDA resonator. Applied Optics, 2013, 52, 2866.	1.8	38
38	Slow light generation using microring resonators for optical buffer application. Optical Engineering, 2012, 51, 044601.	1.0	26
39	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
40	Analytical Vernier Effects of a PANDA Ring Resonator for Microforce Sensing Application. IEEE Nanotechnology Magazine, 2012, 11, 707-712.	2.0	30