

Ahmad Mohebzadeh-Bahabady

List of Publications by Year in descending order

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15
papers

331
citations

933447

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1199594

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all docs

15
docs citations

15
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	All-optical NOT and XOR logic gates using photonic crystal nano-resonator and based on an interference effect. IET Optoelectronics, 2018, 12, 191-195.	3.3	84
2	Realization of all-optical NOT and XOR logic gates based on interference effect with high contrast ratio and ultra-compact size. Optical and Quantum Electronics, 2018, 50, 1.	3.3	51
3	Ultra-fast and compact all-optical half adder using 2D photonic crystals. IET Optoelectronics, 2019, 13, 139-143.	3.3	45
4	Designing a novel photonic crystal nano-ring resonator for biosensor application. Optical and Quantum Electronics, 2015, 47, 1881-1888.	3.3	32
5	Design of an add filter and a 2-channel optical demultiplexer with high-quality factor based on nano-ring resonator. Journal of Computational Electronics, 2019, 18, 1372-1378.	2.5	24
6	Designing a high sensitivity hexagonal nano-cavity photonic crystal resonator for the purpose of seawater salinity sensing. Optical and Quantum Electronics, 2019, 51, 1.	3.3	18
7	Designing low power and high contrast ratio all-optical NOT logic gate for using in optical integrated circuits. Optical and Quantum Electronics, 2019, 51, 1.	3.3	17
8	Designing an ultracompact all-optical 4-to-2 encoder and investigating its optical power consumption. Applied Optics, 2020, 59, 2409.	1.8	17
9	Design of low cross-talk and high-quality-factor 2-channel and 4-channel optical demultiplexers based on photonic crystal nano-ring resonator. Photonic Network Communications, 2019, 38, 250-257.	2.7	15
10	Investigation of response time of small footprint photonic crystal AND logic gate. Optoelectronics Letters, 2020, 16, 477-480.	0.8	11
11	Proposal of a Cascade Photonic Crystal XOR Logic Gate for Optical Integrated Circuits with Investigation of Fabrication Error and Optical Power Changes. Photonics, 2021, 8, 392.	2.0	8
12	Photonic Crystal Chemical/Biochemical Sensors. , 0, , .		6
13	Investigation and simulation of the effect of silver, aluminum, gold, and platinum nano-ribbons on the efficiency of amorphous silicon solar cell. Nanotechnology for Environmental Engineering, 2020, 5, 1.	3.3	2
14	Design and Simulation of a New Structure of Integrated All-Optical AND Logic Gate by Using Linear PC Nano-Resonator. , 2019, , .		1
15	Square-hexagonal nanostructured photonic crystal fiber at 1550 nm wavelength. , 2016, , .		0