

Ali Bahrami

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3802625/ali-bahrami-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

352
citations

10
h-index

17
g-index

42
ext. papers

437
ext. citations

2.6
avg, IF

4.48
L-index

#	Paper	IF	Citations
39	Photonic crystal logic gates: an overview. <i>Optical and Quantum Electronics</i> , 2015 , 47, 2249-2275	2.4	51
38	All-optical photonic crystal AND, XOR, and OR logic gates using nonlinear Kerr effect and ring resonators. <i>Journal of Modern Optics</i> , 2015 , 62, 693-700	1.1	46
37	Photovoltaic cells technology: principles and recent developments. <i>Optical and Quantum Electronics</i> , 2013 , 45, 161-197	2.4	40
36	Design of an optomechanical filter based on solid/solid phononic crystals. <i>Journal of Applied Physics</i> , 2018 , 123, 115113	2.5	27
35	Three channel GHz-ranged demultiplexer in solid-solid phononic crystals. <i>Chinese Journal of Physics</i> , 2019 , 59, 291-297	3.5	21
34	All-Optical Multi-Mode Interference Switch Using Non-Linear Directional Coupler as a Passive Phase Shifter. <i>Fiber and Integrated Optics</i> , 2011 , 30, 139-150	0.8	21
33	MMI-Based Simultaneous All-Optical XOR AND OR and XNOR NOT Multilogic Gate for Phase-Based Signals. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 1-5	2	20
32	A very high sensitive interferometric phononic crystal liquid sensor. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111878	6	17
31	Phononic crystals for sensing FAMES with demultiplexed frequencies. <i>Journal of Molecular Liquids</i> , 2020 , 305, 112841	6	13
30	MMI-based all-optical multi-input XOR and XNOR logic gates using nonlinear directional coupler. <i>Optical and Quantum Electronics</i> , 2015 , 47, 3477-3489	2.4	10
29	Nonlinear elastic switch based on solid-solid phononic crystals. <i>Journal of Materials Science</i> , 2020 , 55, 8983-8991	4.3	10
28	Eight-channel acoustic demultiplexer based on solid-fluid phononic crystals with hollow cylinders. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020 , 39, 100765	2.6	9
27	High performance design for detecting NaCl water concentrations using a two-dimensional phononic crystal biosensor. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 015304	3	9
26	Thermal switching of ultrasonic waves in two-dimensional solid/fluid phononic crystals. <i>Physica Scripta</i> , 2019 , 94, 125705	2.6	7
25	Temperature biosensor based on triangular lattice phononic crystals. <i>APL Materials</i> , 2021 , 9, 061114	5.7	7
24	All-optical half adder based on photonic crystals for BPSK signals. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	6
23	Modified-DBR-based semi-omnidirectional multilayer anti-reflection coating for tandem solar cells. <i>Chinese Physics B</i> , 2014 , 23, 028803	1.2	5

22	Phononic Eco-Sensor for Detection of Heavy Metals Pollutions in Water With Spectrum Analyzer. <i>IEEE Sensors Journal</i> , 2021 , 21, 6733-6740	4	4
21	Two-channel all-elastic solid-solid phononic switch. <i>Physica Scripta</i> , 2020 , 95, 065703	2.6	3
20	Normal distribution profile for doping concentration in multilayer tunnel junction. <i>Optical and Quantum Electronics</i> , 2013 , 45, 873-884	2.4	3
19	A High Q Design for N-channel Wavelength Division Demultiplexer. <i>Journal of Optical Communications</i> , 2011 , 32,	1.2	3
18	Magnetically controlled three-channel phononic switch. <i>Mechanics of Advanced Materials and Structures</i> , 1-9	1.8	3
17	Design of phoxonic filter using locally-resonant cavities. <i>Physica Scripta</i> , 2021 , 96, 075704	2.6	3
16	Design of all-optical simultaneous AND, NAND, OR, and NOR logic gates using phase-based control of three coupled waveguides. <i>Photonic Network Communications</i> , 2017 , 33, 136-142	1.7	2
15	Delta-doped quantum wire tunnel junction for highly concentrated solar cells. <i>Chinese Physics B</i> , 2019 , 28, 046102	1.2	2
14	All-Optical XOR, XNOR, NAND and OR Logic Gates Based on Photonic Crystal 3-DB Coupler for BPSK Signals. <i>Journal of Optical Communications</i> , 2019 ,	1.2	2
13	Ultra-compact all-optical phase-controlled NAND, OR, XOR, XNOR, and NOT multi-function logic gate. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	2
12	Tunable all-optical switch/demultiplexer using nonlinear MMI waveguides. <i>Journal of Modern Optics</i> , 2017 , 64, 1693-1698	1.1	1
11	Optimized structure of AlGaAs/GaAs double junction solar cells. <i>Journal of Modern Optics</i> , 2014 , 61, 568-575	1	1
10	An optical analog-to-digital converter based on nonlinear resonant cavities in photonic crystals. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	1
9	A proposal for three-channel hypersonic wave thermo-switch. <i>Indian Journal of Physics</i> , 2021 , 95, 1391-1399	1	1
8	An elastic fiber based on phononic crystals. <i>Scientific Reports</i> , 2021 , 11, 19198	4.9	1
7	Energy harvesting from sonic noises by phononic crystal fibers. <i>Scientific Reports</i> , 2022 , 12,	4.9	1
6	MMI-based all-optical four-channel wavelength division demultiplexer. <i>Photonic Network Communications</i> , 2018 , 36, 217-223	1.7	0
5	Acoustic invisibility cloak based on two-dimensional solid-fluid phononic crystals. <i>Solid State Communications</i> , 2022 , 342, 114646	1.6	0

4	Synthesis and Analysis of the Handheld Computer Power Consumption. <i>Advanced Materials Research</i> , 2011 , 267, 626-631	0.5
3	A proposal for four channel demultiplexer based on phoxonic crystal ring resonators. <i>Mechanics of Advanced Materials and Structures</i> ,1-10	1.8
2	Phononic crystal locally-resonant cavity for detecting vinegar acidity. <i>Journal of Molecular Liquids</i> , 2021 , 343, 116972	6
1	A proposal for 1 μ phononic switch/demultiplexer using composite lattices. <i>Solid State Communications</i> , 2021 , 326, 114179	1.6