

# Javad Zarbakhsh

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

117  
citations

1478505

6  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arbitrary angle waveguiding applications of two-dimensional curvilinear-lattice photonic crystals. Applied Physics Letters, 2004, 84, 4687-4689.	3.3	33
2	Local density of states and modes of circular photonic crystal cavities. Physical Review B, 2005, 72, .	3.2	26
3	Advanced impedance matching in photonic crystal waveguides. Optical and Quantum Electronics, 2007, 39, 387.	3.3	10
4	Physical and materials aspects of photonic crystals for microwaves and millimetre waves. International Journal of Materials Research, 2004, 95, 618-623.	0.8	9
5	Geometrical freedom for constructing variable size photonic bandgap structures. Optical and Quantum Electronics, 2007, 39, 395-405.	3.3	9
6	Method of calculating local dispersion in arbitrary photonic crystal waveguides. Optics Letters, 2007, 32, 2915.	3.3	8
7	LOCAL DISPERSION OF GUIDING MODES IN PHOTONIC CRYSTAL WAVEGUIDE INTERFACES AND HETERO-STRUCTURES. Progress in Electromagnetics Research B, 2010, 26, 39-52.	1.0	6
8	Prediction of wafer bow through thermomechanical simulation of patterned hard coated copper films. , 2008, , .		4
9	Application of LDOS and multipole expansion technique in optimization of photonic crystal designs. Optical and Quantum Electronics, 2013, 45, 67-77.	3.3	4
10	Quality factor optimization of photonic crystal cavities through multiple multipole expansion technique and power loss integral. , 2008, , .		2
11	Microscopic stress simulation of non-planar chip technologies. Microelectronics Reliability, 2010, 50, 1666-1671.	1.7	2
12	MODE TUNING IN PHOTONIC CRYSTAL CAVITIES USING GEOMETRY OF FIRST NEIGHBORING LAYER. Journal of Nonlinear Optical Physics and Materials, 2012, 21, 1250048.	1.8	2
13	OPTIMIZATION OF QUALITY FACTOR IN PHOTONIC CRYSTAL CAVITIES THROUGH FINITE DIFFERENCE TIME DOMAIN AND MULTIPOLE EXPANSION TECHNIQUE. Journal of Nonlinear Optical Physics and Materials, 2013, 22, 1350040.	1.8	1
14	A Simple Criterion for Improving the Impedance Matching in Photonic Crystal Waveguides. , 2006, , .		1
15	Study of local dispersion in photonic crystal waveguide interfaces and hetero-structures. , 2008, , .		0
16	Geometric Freedom in Photonic Bandgap Structure Designs. , 2005, , .		0