

Pandiyam Krishnamoorthy

List of Publications by Citations

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

42
papers

237
citations

8
h-index

14
g-index

59
ext. papers

310
ext. citations

1.8
avg, IF

2.89
L-index

#	Paper	IF	Citations
42	Studies on acetone sensing characteristics of ZnO thin film prepared by sol-gel dip coating. <i>Journal of Alloys and Compounds</i> , 2016 , 673, 138-143	5.7	52
41	Nondestructive quality evaluation of periodically poled lithium niobate crystals by diffraction. <i>Optics Express</i> , 2009 , 17, 17862-7	3.3	28
40	Tunable all-optical wavelength broadcasting in a PPLN with multiple QPM peaks. <i>Optics Express</i> , 2012 , 20, 27425-33	3.3	24
39	Collinear broadband optical parametric generation in periodically poled lithium niobate crystals by group velocity matching. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 92, 535-541	1.9	16
38	Highly selective acetaldehyde sensor using sol-gel dip coated nano crystalline TiO ₂ thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 5135-5139	2.1	15
37	Ultra-broadband optical parametric generation and simultaneous RGB generation in periodically poled lithium niobate. <i>Optics Express</i> , 2007 , 15, 18294-9	3.3	13
36	Analysis of a phase reversal quasi-phase matching device for the dual peak second harmonic response. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 055205	1.7	11
35	Poling Quality Evaluation of Periodically Poled Lithium Niobate Using Diffraction Method. <i>Journal of the Optical Society of Korea</i> , 2008 , 12, 205-209		11
34	Dip coated nanostructured ZnO thin film: Synthesis and application. <i>Ceramics International</i> , 2016 , 42, 4413-4420	5.1	7
33	Second harmonic generation studies in l-alanine single crystals grown from solution. <i>Physica B: Condensed Matter</i> , 2014 , 432, 67-70	2.8	7
32	A systematic approach for designing quasi-periodic optical superlattices using the Hadamard matrix. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 015204	1.7	6
31	Dip coated TiO ₂ nanostructured thin film: synthesis and application. <i>Phase Transitions</i> , 2016 , 89, 107-114	4.3	5
30	Engineering phase shifter domains for multiple QPM using simulated annealing algorithm. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 105507	1.7	5
29	Quality evaluation of quasi-phase-matched devices by far-field diffraction pattern analysis 2009 ,		5
28	Generation of Nearly Flatband Ultrabroadband Response in a QPM Device Using Phase Shifter. <i>Journal of Lightwave Technology</i> , 2019 , 37, 845-851	4	5
27	Effect of Phase-Shifter Domains in Quasi-Phase Matching Devices. <i>Springer Proceedings in Physics</i> , 2015 , 461-466	0.2	3
26	Studies on the effect of duty cycle variation in Fibonacci-based quasi-phase matching devices. <i>Journal of Modern Optics</i> , 2018 , 65, 1860-1865	1.1	3

25	Configurable Photonic Element: Analysis and Design towards Reconfigurable Photonic ICs 2019 ,		3
24	Growth and THz generation in organic nonlinear optical crystal: N,N-bis(4-nitrophenyl)-(1R,2R)-diaminocyclohexane (BNDC). <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 13628-13635	2.1	2
23	Design of configurable photonic multiplexer using proton-exchanged lithium niobate on insulator. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 3077-3086	1.2	2
22	Design and development of low-cost room temperature electric field poling system for the fabrication of quasi-phase matching devices 2018 , 91, 1		2
21	Gas Sensing Studies on Nanocrystalline ZnO Thin Films Prepared by Dip Coating. <i>Asian Journal of Applied Sciences</i> , 2014 , 7, 786-791	0.4	2
20	Multiple quasi-phase-matched second-harmonic generation in phase reversal optical superlattice structure. <i>Applied Physics B: Lasers and Optics</i> , 2019 , 125, 1	1.9	1
19	Studies on thin films of TiO ₂ for resistance-based sensing of ethanol vapor at room temperature. <i>Phase Transitions</i> , 2019 , 92, 782-789	1.3	1
18	Estimation of second harmonic generation efficiency of various quasi-phase matching grating structures. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2017 , 26, 1750043	0.8	1
17	Tunable Wavelength Broadcasting in a PPLN with Multiple QPM Peaks 2012 ,		1
16	A Comparative Study of Second-Harmonic Generation and Diffraction Experiments in Ferroelectric Domain-Engineered Crystals 2009 ,		1
15	Photonic configurable logic block for digital photonic integrated circuits. <i>Electronics Letters</i> , 2020 , 56, 1130-1133	1.1	1
14	Unidirectional seeded growth of l-Glutamic acid hydrobromide single crystal and its characterization. <i>Phase Transitions</i> , 2020 , 93, 83-90	1.3	1
13	The design and analysis of a CMOS-compatible silicon photonic ON/OFF switch based on a mode-coupling mechanism. <i>Journal of Computational Electronics</i> , 2020 , 19, 1651-1659	1.8	1
12	Broadband quasi-phase-matched optical parametric generation in phase reversal optical superlattice devices. <i>Optik</i> , 2020 , 224, 165466	2.5	1
11	Measurement of the internal electric field in periodically poled congruent lithium niobate crystals by far-field diffraction. <i>Applied Optics</i> , 2021 , 60, 3791-3796	1.7	1
10	Accuracy of Contact Resistivity Measurements for Electron-Selective Titanium Oxide Contacts in n-Type c-Si Solar Cell. <i>IEEE Journal of Photovoltaics</i> , 2021 , 11, 613-619	3.7	0
9	Phase Shifters in QPM Device for Domain Engineering. <i>Springer Proceedings in Physics</i> , 2017 , 517-520	0.2	
8	Fourier Analysis of Quasi-phase Matching Devices for WDM. <i>Journal of Applied Sciences</i> , 2014 , 14, 1666-1669		

- 7 Simulated Annealing: An Approach for Multiple QPM. *Springer Proceedings in Physics*, **2017**, 521-525 0.2
- 6 Automatic diagnosis of single fault in interconnect testing of SRAM-based FPGA. *IET Computers and Digital Techniques*, **2021**, 15, 362-371 0.9
- 5 Growth, crystal structure, thermal, spectral studies and density functional theory computational analysis of an organic nonlinear optical crystal: 2-{3-[2-(4-dimethylaminophenyl)vinyl]-5,5-dimethylcyclohex-2-enylidene}-malonitrile. *International Journal of Quantum Chemistry*, **2021**, 121, e26741 2.1
- 4 Study on the effect of aspect ratio in second harmonic generation efficiency factor of domain inverted QPM grating structure. *Ferroelectrics*, **2021**, 577, 71-84 0.6
- 3 Photonic Processing Core for Reconfigurable Electronic-Photonic Integrated Circuit. *Communications in Computer and Information Science*, **2021**, 473-484 0.3
- 2 Performance enhancement of 8(times)8 dilated banyan network using crosstalk suppressed GMZI crossbar photonic switches. *Photonic Network Communications*, **2021**, 42, 123 1.7
- 1 Investigations on synthesis, growth, crystal structure, thermal, Dielectric and Terahertz Transmission properties of Organic NLO Crystal : (2-(2-hydroxy-3-methoxystyryl)-1-methylquinolinium-4-methylbenzenesulfonate (O-HMQ). *Journal of Molecular Structure*, **2021**, 1245, 131099 3.4