

Xin Chen

List of Publications by Year in descending order

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21
docs citations

21
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional nonlinear photonic crystal in ferroelectric barium calcium titanate. Nature Photonics, 2018, 12, 591-595.	31.4	135
2	Ferroelectric domain engineering by focused infrared femtosecond pulses. Applied Physics Letters, 2015, 107, .	3.3	74
3	Quasi-phase matching via femtosecond laser-induced domain inversion in lithium niobate waveguides. Optics Letters, 2016, 41, 2410.	3.3	46
4	Highly ordered GaN-based nanowire arrays grown on patterned (100) silicon and their optical properties. Chemical Communications, 2014, 50, 682-684.	4.1	25
5	Efficiency enhancement of InGaN based blue light emitting diodes with InGaN/GaN multilayer barriers. Chinese Physics B, 2012, 21, 118502.	1.4	12
6	Nonlinear detour phase holography. Nanoscale, 2021, 13, 2693-2702.	5.6	11
7	Localized Ferroelectric Domains via Laser Poling in Monodomain Calcium Barium Niobate Crystal. Laser and Photonics Reviews, 2021, 15, 2100088.	8.7	11
8	Nonlinear diffraction in orientation-patterned semiconductors. Optics Express, 2015, 23, 14903.	3.4	10
9	Broadband enhancement of ÅEerenkov second harmonic generation in a sunflower spiral nonlinear photonic crystal. Optics Express, 2018, 26, 8628.	3.4	10
10	Optical Induction and Erasure of Ferroelectric Domains in Tetragonal PMNÅ38PT Crystals. Advanced Optical Materials, 2022, 10, 2102115.	7.3	10
11	Enhanced performance of InGaN/GaN based solar cells with an In_005Ga_095N ultra-thin inserting layer between GaN barrier and In_02Ga_08N well. Optics Express, 2013, 21, 7118.	3.4	9
12	Calcium barium niobate as a functional material for broadband optical frequency conversion. Optics Letters, 2014, 39, 1330.	3.3	7
13	Droop improvement in blue InGaN light-emitting diodes with GaN/InGaN superlattice barriers. Chinese Physics B, 2013, 22, 068505.	1.4	5
14	Advantages of an InGaN-based light emitting diode with a p-InGaN/p-GaN superlattice hole accumulation layer. Chinese Physics B, 2013, 22, 058502.	1.4	5
15	Enhanced fourth harmonic generation via nonlinear ÅEerenkov interaction in periodically poled lithium niobate crystal. Optics Express, 2016, 24, 29948.	3.4	5
16	Enhanced performances of InGaN/GaN-based blue light-emitting diode with InGaN/AlInGaN superlattice electron blocking layer. Chinese Physics B, 2014, 23, 068502.	1.4	4
17	Quasi-phase matched second harmonic generation in a PMN-38PT crystal. Optics Letters, 2022, 47, 2056.	3.3	4
18	Enhanced performance of InGaN/GaN multiple quantum well solar cells with double indium content. Chinese Physics B, 2013, 22, 088401.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Advantages of InGaN/GaN multiple quantum well solar cells with stepped-thickness quantum wells. Chinese Physics B, 2013, 22, 078402.	1.4	2
20	Efficiency and droop improvement in a blue InGaN-based light emitting diode with a p-InGaN layer inserted in the GaN barriers. Chinese Physics B, 2013, 22, 098504.	1.4	1
21	Nonlinear Optical Effects at Ferroelectric Domain Walls. , 2018, , .		0