Chi Xiong

List of Publications by Year
in descending order

28 papers	1,463 citations	567144 15 h-index	794469 19 g-index
28 all docs	28 docs citations	28 times ranked	1933 citing authors

#	Article	IF	Citations
1	Broadband nanophotonic waveguides and resonators based on epitaxial GaN thin films. Applied Physics Letters, 2015, 107, .	1.5	44
2	Integrated Photonic Circuits in Gallium Nitride and Aluminum Nitride. International Journal of High Speed Electronics and Systems, 2014, 23, 1450001.	0.3	5
3	Triply resonant cavity electro-optomechanics at X-band. , 2014, , .		0
4	Electrical tuning and switching of an optical frequency comb generated in aluminum nitride microring resonators. Optics Letters, 2014, 39, 84.	1.7	48
5	Design of a Silicon Integrated Electro-Optic Modulator Using Ferroelectric BaTiO₃ Films. IEEE Photonics Technology Letters, 2014, 26, 1344-1347.	1.3	25
6	Triply resonant cavity electro-optomechanics at X-band. New Journal of Physics, 2014, 16, 063060.	1.2	16
7	Active Silicon Integrated Nanophotonics: Ferroelectric BaTiO₃ Devices. Nano Letters, 2014, 14, 1419-1425.	4.5	208
8	Switchable Optical Frequency Comb in Aluminum Nitride Microring Resonator. , 2014, , .		0
9	Aluminum nitride piezo-acousto-photonic crystal nanocavity with high quality factors. Applied Physics Letters, 2013, 102, .	1.5	54
10	Cavity piezooptomechanics: Piezoelectrically excited, optically transduced optomechanical resonators. Applied Physics Letters, 2013, 102, 021110.	1.5	40
11	Optical frequency comb generation from aluminum nitride microring resonator. Optics Letters, 2013, 38, 2810.	1.7	215
12	Photonic crystal dumbbell resonators in silicon and aluminum nitride integrated optical circuits. Journal of Nanophotonics, 2013, 7, 073095.	0.4	3
13	Aluminum nitride piezo-optomechanical nanobeam cavity. , 2013, , .		0
14	Integrated high frequency aluminum nitride optomechanical resonators. Applied Physics Letters, 2012, 100, 171111.	1.5	53
15	GHz aluminum nitride optomechanical wheel resonators. , 2012, , .		0
16	A superhigh-frequency optoelectromechanical system based on a slotted photonic crystal cavity. Applied Physics Letters, 2012, 101, .	1.5	28
17	Aluminum nitride as a new material for chip-scale optomechanics and nonlinear optics. New Journal of Physics, 2012, 14, 095014.	1.2	207
18	Low-Loss, Silicon Integrated, Aluminum Nitride Photonic Circuits and Their Use for Electro-Optic Signal Processing. Nano Letters, 2012, 12, 3562-3568.	4.5	212

#	Article	IF	Citations
19	High Q micro-ring resonators fabricated from polycrystalline aluminum nitride films for near infrared and visible photonics. Optics Express, 2012, 20, 12261.	1.7	60
20	GHz Optomechanical Wheel and Disk Resonators with High Mechanical Q Factors in Air. , 2012, , .		0
21	Nano-optomechanical circuits on silicon substrates. , 2012, , .		0
22	Second harmonic generation in aluminum nitride waveguides on silicon substrates. , 2012, , .		1
23	Nonlinear Photonic Circuits on Hybrid Silicon Substrates. , 2012, , .		0
24	Integrated GaN photonic circuits on silicon (100) for second harmonic generation. Optics Express, 2011, 19, 10462.	1.7	176
25	GHz optomechanical resonators with high mechanical Q factor in air. Optics Express, 2011, 19, 22316.	1.7	41
26	Adiabatic embedment of nanomechanical resonators in photonic microring cavities. Applied Physics Letters, 2010, 96, 263101.	1.5	7
27	High performance nanophotonic circuits based on partially buried horizontal slot waveguides. Optics Express, 2010, 18, 20690.	1.7	20
28	Adiabatic embedment of nanomechanical resonators in photonic microring cavities. , 2010, , .		0