

# Chi Xiong

## List of Publications by Year in descending order

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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	Optical frequency comb generation from aluminum nitride microring resonator. Optics Letters, 2013, 38, 2810.	1.7	215
2	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
3	Active Silicon Integrated Nanophotonics: Ferroelectric BaTiO <sub>3</sub> Devices. Nano Letters, 2014, 14, 1419-1425.	4.5	208
4	Aluminum nitride as a new material for chip-scale optomechanics and nonlinear optics. New Journal of Physics, 2012, 14, 095014.	1.2	207
5	Integrated GaN photonic circuits on silicon (100) for second harmonic generation. Optics Express, 2011, 19, 10462.	1.7	176
6	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
7	Aluminum nitride piezo-acousto-photonic crystal nanocavity with high quality factors. Applied Physics Letters, 2013, 102, .	1.5	54
8	Integrated high frequency aluminum nitride optomechanical resonators. Applied Physics Letters, 2012, 100, 171111.	1.5	53
9	Electrical tuning and switching of an optical frequency comb generated in aluminum nitride microring resonators. Optics Letters, 2014, 39, 84.	1.7	48
10	Broadband nanophotonic waveguides and resonators based on epitaxial GaN thin films. Applied Physics Letters, 2015, 107, .	1.5	44
11	GHz optomechanical resonators with high mechanical Q factor in air. Optics Express, 2011, 19, 22316.	1.7	41
12	Cavity piezooptomechanics: Piezoelectrically excited, optically transduced optomechanical resonators. Applied Physics Letters, 2013, 102, 021110.	1.5	40
13	A superhigh-frequency optoelectromechanical system based on a slotted photonic crystal cavity. Applied Physics Letters, 2012, 101, .	1.5	28
14	Design of a Silicon Integrated Electro-Optic Modulator Using Ferroelectric BaTiO <sub>3</sub> Films. IEEE Photonics Technology Letters, 2014, 26, 1344-1347.	1.3	25
15	High performance nanophotonic circuits based on partially buried horizontal slot waveguides. Optics Express, 2010, 18, 20690.	1.7	20
16	Triply resonant cavity electro-optomechanics at X-band. New Journal of Physics, 2014, 16, 063060.	1.2	16
17	Adiabatic embedment of nanomechanical resonators in photonic microring cavities. Applied Physics Letters, 2010, 96, 263101.	1.5	7
18	Integrated Photonic Circuits in Gallium Nitride and Aluminum Nitride. International Journal of High Speed Electronics and Systems, 2014, 23, 1450001.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Photonic crystal dumbbell resonators in silicon and aluminum nitride integrated optical circuits. Journal of Nanophotonics, 2013, 7, 073095.	0.4	3
20	Second harmonic generation in aluminum nitride waveguides on silicon substrates. , 2012, , .		1
21	Adiabatic embedment of nanomechanical resonators in photonic microring cavities. , 2010, , .		0
22	GHz aluminum nitride optomechanical wheel resonators. , 2012, , .		0
23	GHz Optomechanical Wheel and Disk Resonators with High Mechanical Q Factors in Air. , 2012, , .		0
24	Aluminum nitride piezo-optomechanical nanobeam cavity. , 2013, , .		0
25	Triply resonant cavity electro-optomechanics at X-band. , 2014, , .		0
26	Nano-optomechanical circuits on silicon substrates. , 2012, , .		0
27	Nonlinear Photonic Circuits on Hybrid Silicon Substrates. , 2012, , .		0
28	Switchable Optical Frequency Comb in Aluminum Nitride Microring Resonator. , 2014, , .		0