Chao Xiang

List of Publications by Citations

19	490	10	22
papers	citations	h-index	g-index
27	941	9.8	4.17
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
19	Integrated turnkey soliton microcombs. *Nature*, **2020**, 582, 365-369	50.4	111
18	Ultra-efficient frequency comb generation in AlGaAs-on-insulator microresonators. *Nature Communications*, **2020**, 11, 1331	17.4	77
17	Narrow-linewidth III-V/Si/Si3N4 laser using multilayer heterogeneous integration. *Optica*, **2020**, 7, 20	8.6	64
16	Perspective on the future of silicon photonics and electronics. *Applied Physics Letters*, **2021**, 118, 220501	3.4	51
15	Laser soliton microcombs heterogeneously integrated on silicon. *Science*, **2021**, 373, 99-103	33.3	37
14	Ultra-narrow linewidth laser based on a semiconductor gain chip and extended SiN Bragg grating. *Optics Letters*, **2019**, 44, 3825-3828	3	35
13	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2018**, 24, 1-9	3.8	32
12	Effects of nonlinear loss in high-Q Si ring resonators for narrow-linewidth III-V/Si heterogeneously integrated tunable lasers. *Optics Express*, **2020**, 28, 19926-19936	3.3	15
11	High-performance lasers for fully integrated silicon nitride photonics. *Nature Communications*, **2021**, 12, 6650	17.4	11
10	High-Performance Silicon Photonics Using Heterogeneous Integration. *IEEE Journal of Selected Topics in Quantum Electronics*, **2022**, 28, 1-15	3.8	10
9	Ultra-precise optical-frequency stabilization with heterogeneous III-V/Si lasers. *Optics Letters*, **2020**, 45, 5275-5278	3	8
8	High Speed Evanescent Quantum-Dot Lasers on Si. *Laser and Photonics Reviews*, **2021**, 15, 2100057	8.3	8
7	Integrated chip-scale Si3N4 wavemeter with narrow free spectral range and high stability. *Optics Letters*, **2016**, 41, 3309-12	3	6
6	Hybrid InP and SiN integration of an octave-spanning frequency comb. *APL Photonics*, **2021**, 6, 026102	5.2	6
5	Silicon nitride chirped spiral Bragg grating with large group delay. *APL Photonics*, **2020**, 5, 101302	5.2	5
4	Silicon-integrated nonlinear III-V photonics. *Photonics Research*, **2022**, 10, 535	6	3
3	. *Journal of Lightwave Technology*, **2021**, 1-1	4	3

2	1550 nm laser with 320 Hz Lorentzian linewidth based on semiconductor gain chip and extended Si3N4 Bragg grating **2019**,	2
1	(Invited) Temperature Stable III-V/Si/Si3N4 Heterogeneous Integrated Laser. *ECS Meeting Abstracts*, **2020**, MA2020-02, 1832-1832	0