

Chao Xiang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5784602/chao-xiang-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

19
papers

490
citations

10
h-index

22
g-index

27
ext. papers

941
ext. citations

9.8
avg, IF

4.17
L-index

#	Paper	IF	Citations
19	Silicon-integrated nonlinear III-V photonics. <i>Photonics Research</i> , 2022 , 10, 535	6	3
18	High-Performance Silicon Photonics Using Heterogeneous Integration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022 , 28, 1-15	3.8	10
17	High-performance lasers for fully integrated silicon nitride photonics. <i>Nature Communications</i> , 2021 , 12, 6650	17.4	11
16	. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	3
15	Perspective on the future of silicon photonics and electronics. <i>Applied Physics Letters</i> , 2021 , 118, 220501	3.4	51
14	High Speed Evanescent Quantum-Dot Lasers on Si. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100057	8.3	8
13	Laser soliton microcombs heterogeneously integrated on silicon. <i>Science</i> , 2021 , 373, 99-103	33.3	37
12	Hybrid InP and SiN integration of an octave-spanning frequency comb. <i>APL Photonics</i> , 2021 , 6, 026102	5.2	6
11	Integrated turnkey soliton microcombs. <i>Nature</i> , 2020 , 582, 365-369	50.4	111
10	Ultra-efficient frequency comb generation in AlGaAs-on-insulator microresonators. <i>Nature Communications</i> , 2020 , 11, 1331	17.4	77
9	(Invited) Temperature Stable III-V/Si/Si ₃ N ₄ Heterogeneous Integrated Laser. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 1832-1832	0	
8	Effects of nonlinear loss in high-Q Si ring resonators for narrow-linewidth III-V/Si heterogeneously integrated tunable lasers. <i>Optics Express</i> , 2020 , 28, 19926-19936	3.3	15
7	Ultra-precise optical-frequency stabilization with heterogeneous III-V/Si lasers. <i>Optics Letters</i> , 2020 , 45, 5275-5278	3	8
6	Narrow-linewidth III-V/Si/Si ₃ N ₄ laser using multilayer heterogeneous integration. <i>Optica</i> , 2020 , 7, 20	8.6	64
5	Silicon nitride chirped spiral Bragg grating with large group delay. <i>APL Photonics</i> , 2020 , 5, 101302	5.2	5
4	1550 nm laser with 320 Hz Lorentzian linewidth based on semiconductor gain chip and extended Si ₃ N ₄ Bragg grating 2019 ,		2
3	Ultra-narrow linewidth laser based on a semiconductor gain chip and extended SiN Bragg grating. <i>Optics Letters</i> , 2019 , 44, 3825-3828	3	35

2 . *IEEE Journal of Selected Topics in Quantum Electronics*, **2018**, 24, 1-9 3.8 32

1 Integrated chip-scale Si3N4 wavemeter with narrow free spectral range and high stability. *Optics Letters*, **2016**, 41, 3309-12 3 6