Chao Xiang

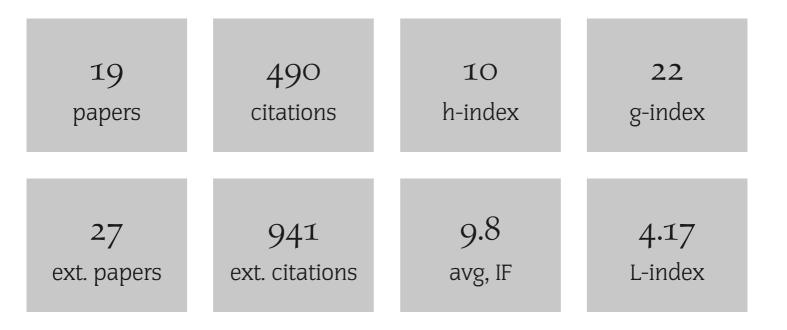
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#	Paper	IF	Citations
19	Integrated turnkey soliton microcombs. <i>Nature</i> , 2020 , 582, 365-369	50.4	111
18	Ultra-efficient frequency comb generation in AlGaAs-on-insulator microresonators. <i>Nature Communications</i> , 2020 , 11, 1331	17.4	77
17	Narrow-linewidth III-V/Si/Si3N4 laser using multilayer heterogeneous integration. <i>Optica</i> , 2020 , 7, 20	8.6	64
16	Perspective on the future of silicon photonics and electronics. <i>Applied Physics Letters</i> , 2021 , 118, 22050	13.4	51
15	Laser soliton microcombs heterogeneously integrated on silicon. <i>Science</i> , 2021 , 373, 99-103	33.3	37
14	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
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. <i>Optics Express</i> , 2020 , 28, 19926-19936	3.3	15
11	High-performance lasers for fully integrated silicon nitride photonics. <i>Nature Communications</i> , 2021 , 12, 6650	17.4	11
10	High-Performance Silicon Photonics Using Heterogeneous Integration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022 , 28, 1-15	3.8	10
9	Ultra-precise optical-frequency stabilization with heterogeneous III-V/Si lasers. <i>Optics Letters</i> , 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. <i>Optics Letters</i> , 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. <i>Photonics Research</i> , 2022 , 10, 535	6	3
3	. Journal of Lightwave Technology, 2021 , 1-1	4	3

1550 nm laser with 320 Hz Lorentzian linewidth based on semiconductor gain chip and extended Si3N4 Bragg grating **2019**,

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(Invited) Temperature Stable III-V/Si/Si3N4 Heterogeneous Integrated Laser. *ECS Meeting Abstracts*, **2020**, MA2020-02, 1832-1832

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