

Tin Komljenovic

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,243
citations

394421

19
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

2021
citing authors

#	ARTICLE	IF	CITATIONS
1	An optical-frequency synthesizer using integrated photonics. <i>Nature</i> , 2018, 557, 81-85.	27.8	550
2	Heterogeneous Silicon Photonic Integrated Circuits. <i>Journal of Lightwave Technology</i> , 2016, 34, 20-35.	4.6	239
3	2022 Roadmap on integrated quantum photonics. <i>JPhys Photonics</i> , 2022, 4, 012501.	4.6	152
4	Heterogeneously Integrated InP/Silicon Photonics: Fabricating Fully Functional Transceivers. <i>IEEE Nanotechnology Magazine</i> , 2019, 13, 17-26.	1.3	150
5	Heterogeneous silicon photonics sensing for autonomous cars [Invited]. <i>Optics Express</i> , 2019, 27, 3642.	3.4	130
6	Photonic Integrated Circuits Using Heterogeneous Integration on Silicon. <i>Proceedings of the IEEE</i> , 2018, 106, 2246-2257.	21.3	123
7	High-power sub-kHz linewidth lasers fully integrated on silicon. <i>Optica</i> , 2019, 6, 745.	9.3	118
8	Sparse aperiodic arrays for optical beam forming and LIDAR. <i>Optics Express</i> , 2017, 25, 2511.	3.4	117
9	Widely Tunable Narrow-Linewidth Monolithically Integrated External-Cavity Semiconductor Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 214-222.	2.9	112
10	Ring-Resonator Based Widely-Tunable Narrow-Linewidth Si/InP Integrated Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-14.	2.9	85
11	Ultra-Low-Loss Silicon Waveguides for Heterogeneously Integrated Silicon/III-V Photonics. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1139.	2.5	82
12	Interferometric Optical Gyroscope Based on an Integrated Si ₃ N ₄ Low-Loss Waveguide Coil. <i>Journal of Lightwave Technology</i> , 2018, 36, 1185-1191.	4.6	57
13	On-chip calibration and control of optical phased arrays. <i>Optics Express</i> , 2018, 26, 3199.	3.4	50
14	Integrated optical driver for interferometric optical gyroscopes. <i>Optics Express</i> , 2017, 25, 3826.	3.4	48
15	Fully integrated microwave frequency synthesizer on heterogeneous silicon-III/V. <i>Optics Express</i> , 2017, 25, 2422.	3.4	45
16	Widely-Tunable Ring-Resonator Semiconductor Lasers. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 732.	2.5	32
17	Heterogeneous silicon nitride photonics. <i>Optica</i> , 2020, 7, 336.	9.3	29
18	A Robust Method for Characterization of Optical Waveguides and Couplers. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1517-1520.	2.5	26

#	ARTICLE	IF	CITATIONS
19	Frequency modulated lasers for interferometric optical gyroscopes. Optics Letters, 2016, 41, 1773.	3.3	20
20	Hybrid Silicon Colliding-Pulse Mode-Locked Lasers With On-Chip Stabilization. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 24-29.	2.9	18
21	Control of Widely Tunable Lasers With High-Q Resonator as an Integral Part of the Cavity. Journal of Lightwave Technology, 2017, 35, 3934-3939.	4.6	12
22	Beam steering with ultracompact and low-power silicon resonator phase shifters. Optics Express, 2019, 27, 34639.	3.4	12
23	Characterization of a fully integrated heterogeneous silicon/III-V colliding pulse mode-locked laser with on-chip feedback. Optics Express, 2018, 26, 9714.	3.4	9
24	Fully integrated heterodyne microwave generation on heterogeneous silicon-III/V. , 2016, , .		5
25	The first integrated optical driver chip for fiber optic gyroscopes. , 2017, , .		4
26	Fully Integrated Photonic Millimeter-Wave Tracking Generators on the Heterogeneous III-V/Si Platform. IEEE Photonics Technology Letters, 2018, 30, 919-922.	2.5	4
27	Heterogeneous silicon nitride photonics: erratum. Optica, 2020, 7, 425.	9.3	3
28	Integrated photonics for MWP. , 2016, , .		2
29	Effect of direct PRBS modulation on laser driven fiber optic gyroscope. , 2017, , .		2
30	A 2.5 kHz Linewidth Widely Tunable Laser with Booster SOA Integrated on Silicon. , 2018, , .		2
31	Frequency Modulate Laser Based Interferometric Optical Gyroscope. , 2016, , .		2
32	Stable Arbitrary Frequency Generator. Journal of Lightwave Technology, 2017, 35, 4897-4902.	4.6	1
33	Dense III-V/Si Phase Shifters for Optical Phased Arrays. , 2018, , .		1
34	A robust method for characterization of optical waveguides and couplers. , 2016, , .		1
35	A comparison of widely tunable, narrow linewidth ring cavity lasers on silicon substrates. , 2015, , .		0
36	Chip-scale light sources in visible and near-infrared. , 2021, , .		0