

Ruijun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

788
citations

687363

13
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Light Source Integration Approaches for Silicon Photonics. Laser and Photonics Reviews, 2017, 11, 1700063.	8.7	143
2	Silicon-Based Photonic Integration Beyond the Telecommunication Wavelength Range. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 394-404.	2.9	106
3	III-V-on-Silicon Photonic Devices for Optical Communication and Sensing. Photonics, 2015, 2, 969-1004.	2.0	103
4	III-V-on-Silicon Photonic Integrated Circuits for Spectroscopic Sensing in the 2-4 μ m Wavelength Range. Sensors, 2017, 17, 1788.	3.8	60
5	Mid-infrared frequency comb from a ring quantum cascade laser. Optica, 2020, 7, 162.	9.3	60
6	Widely tunable 2-4 μ m III-V-on-silicon Vernier lasers for broadband spectroscopic sensing. Photonics Research, 2018, 6, 858.	7.0	47
7	Compact GaSb/silicon-on-insulator 2-4 μ m widely tunable external cavity lasers. Optics Express, 2016, 24, 28977.	3.4	46
8	27 dB gain III-V-on-silicon semiconductor optical amplifier with > 17 dBm output power. Optics Express, 2019, 27, 293.	3.4	43
9	2-4 μ m range InP-based type-II quantum well Fabry-Perot lasers heterogeneously integrated on a silicon photonic integrated circuit. Optics Express, 2016, 24, 21081.	3.4	36
10	III-V-on-silicon 2-4 μ m-wavelength-range wavelength demultiplexers with heterogeneously integrated InP-based type-II photodetectors. Optics Express, 2016, 24, 8480.	3.4	34
11	Broad wavelength coverage 2-4 μ m III-V-on-silicon DFB laser array. Optica, 2017, 4, 972.	9.3	29
12	Electrically pumped widely tunable O-band hybrid lithium niobite/III-V laser. Optics Letters, 2021, 46, 5413.	3.3	28
13	Heterogeneously integrated III-V-on-silicon 2-4 μ m distributed feedback lasers based on a type-II active region. Applied Physics Letters, 2016, 109, .	3.3	21
14	Mid-infrared quantum cascade laser frequency combs based on multi-section waveguides. Optics Letters, 2020, 45, 6462.	3.3	10
15	Monolithic Integration of Mid-Infrared Quantum Cascade Lasers and Frequency Combs with Passive Waveguides. ACS Photonics, 2022, 9, 426-431.	6.6	9
16	Widely Tunable III-V/Silicon Lasers for Spectroscopy in the Short-Wave Infrared. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-12.	2.9	8
17	Ultra-low threshold lasing through phase front engineering via a metallic circular aperture. Nature Communications, 2022, 13, 230.	12.8	4
18	Ridge-width dependence of the dispersion and performance of mid-infrared quantum cascade laser frequency combs. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	IIIâ€V/Si mid-IR photonic integrated circuits. , 2020, , 567-594.		0
20	Ultra-low Threshold Quantum Cascade Laser. , 2021, , .		0