

Sergio Pinna

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,070
citations

1039406

9
h-index

1281420

11
g-index

23
all docs

23
docs citations

23
times ranked

1064
citing authors

#	ARTICLE	IF	CITATIONS
1	A fully photonics-based coherent radar system. Nature, 2014, 507, 341-345.	13.7	852
2	Analog Coherent Detection for Energy Efficient Intra-Data Center Links at 200 Gbps Per Wavelength. Journal of Lightwave Technology, 2021, 39, 520-531.	2.7	43
3	Indium Phosphide Photonic Integrated Circuits for Free Space Optical Links. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	1.9	28
4	High-Power Indium Phosphide Photonic Integrated Circuits. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-10.	1.9	23
5	Photonic Integrated Microwave Phase Shifter up to the mm-Wave Band With Fast Response Time in Silicon-on-Insulator Technology. Journal of Lightwave Technology, 2018, 36, 4494-4500.	2.7	21
6	Characterization of heterogeneous InP-on-Si optical modulators operating between 77 K and room temperature. APL Photonics, 2019, 4, 100805.	3.0	18
7	Indium Phosphide Photonic Integrated Circuits: Technology and Applications. , 2018, , .		17
8	Photonics-Assisted Beamforming for 5G Communications. IEEE Photonics Technology Letters, 2018, 30, 1826-1829.	1.3	17
9	Lasing Characteristics and Reliability of 1550nm Laser Diodes Monolithically Grown on Silicon. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000374.	0.8	12
10	Multicore Fiber Link With SiN Integrated Fan-Out and InP Photodiode Array. IEEE Photonics Technology Letters, 2018, 30, 1921-1924.	1.3	10
11	Photonics-Based Dual-Band Radar for Landslides Monitoring in Presence of Multiple Scatterers. Journal of Lightwave Technology, 2018, 36, 2337-2343.	2.7	9
12	Analysis and Monolithic Implementation of Differential Transimpedance Amplifiers. Journal of Lightwave Technology, 2020, 38, 4409-4418.	2.7	7
13	A Fully Integrated O-band Coherent Optical Receiver Operating up to 80 Gb/s. , 2021, , .		4
14	Indium Phosphide Photonic Integrated Circuit Transmitter with Integrated Linewidth Narrowing for Laser Communications and Sensing. , 2018, , .		3
15	Integrated optical beamforming network for millimeter wave communications. , 2017, , .		2
16	Energy Efficiency Analysis of Coherent Links for Datacenters. , 2019, , .		2
17	Widely Tunable Integrated Laser Transmitter for Free Space Optical Communications. , 2018, , .		1
18	Limitations to Power Conversion Efficiency of InP Based Uni-traveling-carrier Photodiodes Due to Space Charge Resistance. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Integrated star coupler-based multi-beam LiDAR. , 2017, , .		0
20	3 Gbps Free Space Optical Link based on Integrated Indium Phosphide Transmitter. , 2018, , .		0
21	3-Gbps Free Space Optical Link Based on Integrated Indium Phosphide Transmitter. , 2018, , .		0
22	High Power Indium Phosphide Photonic Integrated Circuit for Pulse Position Modulation Free Space Optical Communications. , 2019, , .		0
23	Dilute Waveguide Reflective Semiconductor Optical Amplifier for 3D Hybrid Silicon Photonics Integration. , 2019, , .		0