

# 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	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
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	A Fully Integrated O-band Coherent Optical Receiver Operating up to 80 Gb/s. , 2021, , .		4
4	Analysis and Monolithic Implementation of Differential Transimpedance Amplifiers. Journal of Lightwave Technology, 2020, 38, 4409-4418.	2.7	7
5	Characterization of heterogeneous InP-on-Si optical modulators operating between 77 K and room temperature. APL Photonics, 2019, 4, 100805.	3.0	18
6	Limitations to Power Conversion Efficiency of InP Based Uni-traveling-carrier Photodiodes Due to Space Charge Resistance. , 2019, , .		1
7	Energy Efficiency Analysis of Coherent Links for Datacenters. , 2019, , .		2
8	High-Power Indium Phosphide Photonic Integrated Circuits. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-10.	1.9	23
9	High Power Indium Phosphide Photonic Integrated Circuit for Pulse Position Modulation Free Space Optical Communications. , 2019, , .		0
10	Dilute Waveguide Reflective Semiconductor Optical Amplifier for 3D Hybrid Silicon Photonics Integration. , 2019, , .		0
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	3 Gbps Free Space Optical Link based on Integrated Indium Phosphide Transmitter. , 2018, , .		0
13	Widely Tunable Integrated Laser Transmitter for Free Space Optical Communications. , 2018, , .		1
14	3-Gbps Free Space Optical Link Based on Integrated Indium Phosphide Transmitter. , 2018, , .		0
15	Indium Phosphide Photonic Integrated Circuit Transmitter with Integrated Linewidth Narrowing for Laser Communications and Sensing. , 2018, , .		3
16	Indium Phosphide Photonic Integrated Circuits: Technology and Applications. , 2018, , .		17
17	Multicore Fiber Link With SiN Integrated Fan-Out and InP Photodiode Array. IEEE Photonics Technology Letters, 2018, 30, 1921-1924.	1.3	10
18	Photonics-Assisted Beamforming for 5G Communications. IEEE Photonics Technology Letters, 2018, 30, 1826-1829.	1.3	17

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Integrated optical beamforming network for millimeter wave communications. , 2017, , .		2
22	Integrated star coupler-based multi-beam LiDAR. , 2017, , .		0
23	A fully photonics-based coherent radar system. Nature, 2014, 507, 341-345.	13.7	852