Jorge Holguin

List of Publications by Year
in descending order

27	486	623574 14	713332 21
papers	citations	h-index	g-index

27	27	27	634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Group-III-nitride and halide-perovskite semiconductor gain media for amplified spontaneous emission and lasing applications. Journal Physics D: Applied Physics, 2021, 54, 143001.	1.3	20
2	Single-Port Superluminescent-Diode Gain-Chip for Tunable Single-Wavelength and Dual-Wavelength Blue-Laser. IEEE Photonics Journal, 2021, 13, 1-11.	1.0	1
3	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. Optical Materials Express, 2021, 11, 1515.	1.6	2
4	Survey of energy-autonomous solar cell receivers for satelliteâ€“airâ€“groundâ€“ocean optical wireless communication. Progress in Quantum Electronics, 2020, 74, 100300.	3.5	32
5	AquaE-lite Hybrid-Solar-Cell Receiver-Modality for Energy-Autonomous Terrestrial and Underwater Internet-of-Things. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	20
6	Performance Characterization of High and Low Power Prism based Tunable Blue Laser Diodes Systems. , 2020, , .		0
7	3.8-Gbit/s visible light communication (VLC) based on 443-nm superluminescent diode and bit-loading discrete-multiple-tone (DMT) modulation scheme. , 2020, , .		7
8	480-nm distributed-feedback InGaN laser diode for 10.5-Gbit/s visible-light communication. Optics Letters, 2020, 45, 742.	1.7	26
9	Demonstration of a low-complexity memory-polynomial-aided neural network equalizer for CAP visible-light communication with superluminescent diode. Opto-Electronic Advances, 2020, 3, 200009-200009.	6.4	18
10	10-Gbit/s Sky-Blue Distributed Feedback Laser Diode-Based Visible Light Communication. , 2020, , .		0
11	Prism-based tunable InGaN/GaN self-injection locked blue laser diode system: study of temperature, injection ratio, and stability. Journal of Nanophotonics, 2020, 14, 1.	0.4	1
12	Growth of Ordered Iron Oxide Nanowires for Photo-electrochemical Water Oxidation. ACS Applied Energy Materials, 2019, 2, 8473-8480.	2.5	7
13	Iron-Based Coreâ€“Shell Nanowires for Combinatorial Drug Delivery and Photothermal and Magnetic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 43976-43988.	4.0	38
14	Direct Growth of Single Crystalline GaN Nanowires on Indium Tin Oxide-Coated Silica. Nanoscale Research Letters, 2019, 14, 45.	3.1	5
15	Group-III-Nitride Superluminescent Diodes for Solid-State Lighting and High-Speed Visible Light Communications. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-10.	1.9	44
16	Narrow-line InGaN/GaN green laser diode with high-order distributed-feedback surface grating. Applied Physics Express, 2019, 12, 042007.	1.1	20
17	High Reflectivity YDH/SiO2 Distributed Bragg Reflector for UV-C Wavelength Regime. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	12
18	High Power GaN-Based Blue Superluminescent Diode Exceeding 450 mW. , 2018, , .		1

#	Article	IF	Citations
19	32 Gigabit-per-second Visible Light Communication Link with InGaN/GaN MQW Micro-photodetector. Optics Express, 2018, 26, 3037.	1.7	56
20	Review of nanophotonics approaches using nanostructures and nanofabrication for III-nitrides ultraviolet-photonic devices. Journal of Nanophotonics, 2018, 12, 1.	0.4	44
21	High-power blue superluminescent diode for high CRI lighting and high-speed visible light communication. Optics Express, 2018, 26, 26355.	1.7	44
22	Semipolar IIIâ€“nitride quantum well waveguide photodetector integrated with laser diode for on-chip photonic system. Applied Physics Express, 2017, 10, 042201.	1.1	30
23	A single nano cantilever as a reprogrammable universal logic gate. Journal of Micromechanics and Microengineering, 2017, 27, 045007.	1.5	18
24	Tunable nanoelectromechanical resonator for logic computations. Nanoscale, 2017, 9, 3449-3457.	2.8	34
25	Nanoelectromechanical resonator for logic operations. , 2017, , .		2
26	Fabrication and Characterization of MWCNT-Based Bridge Devices. IEEE Nanotechnology Magazine, 2017, 16, 1037-1046.	1.1	4
27	A Reprogrammable Universal Logic Gate Based on a Nano Cantilever Resonator. , 0, , .		0