

Zhenguo Lu

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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all docs

23
docs citations

23
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of InAs/InP-based quantum dots for 1.55 μ m laser applications. Journal of Crystal Growth, 2009, 311, 1482-1486.	1.5	96
2	Dual-wavelength 925 GHz self-mode-locked InP-based quantum dot laser. Optics Letters, 2008, 33, 1702.	3.3	77
3	Passively mode-locked quantum dash laser with an aggregate 5.376 Tbit/s PAM-4 transmission capacity. Optics Express, 2020, 28, 4587.	3.4	30
4	InAs/InP Quantum Dash Semiconductor Coherent Comb Lasers and their Applications in Optical Networks. Journal of Lightwave Technology, 2021, 39, 3751-3760.	4.6	25
5	Uniform 90-channel multiwavelength InAs/InGaAsP quantum dot laser. Electronics Letters, 2007, 43, 458.	1.0	22
6	Ultra-Low Timing Jitter of Quantum Dash Semiconductor Comb Lasers With Self-Injection Feedback Locking. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	13
7	Broadband Optical Heterodyne Millimeter-Wave-over-Fiber Wireless Links Based on a Quantum Dash Dual-Wavelength DFB Laser. Journal of Lightwave Technology, 2022, 40, 3698-3708.	4.6	13
8	Pulse Timing Jitter Estimated From Optical Phase Noise in Mode-Locked Semiconductor Quantum Dash Lasers. Journal of Lightwave Technology, 2020, 38, 4787-4793.	4.6	11
9	Tunable Terahertz Beat Signal Generation From an InAs/InP Quantum-Dot Mode-Locked Laser Combined With External-Cavity. IEEE Photonics Technology Letters, 2012, 24, 518-520.	2.5	10
10	InAs/InP quantum dot mode-locked laser with an aggregate 12.544 Tbit/s transmission capacity. Optics Express, 2022, 30, 3205.	3.4	10
11	A High Spectral Efficiency Radio Over Fiber Link Based on Coherent Detection and Digital Phase Noise Cancellation. Journal of Lightwave Technology, 2021, 39, 6443-6449.	4.6	9
12	Quantum-dot coherent comb lasers for terabit optical networking systems. , 2019, , .		9
13	A Performance Comparison Between Quantum Dash and Quantum Well Fabry-Pérot Lasers. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.9	6
14	Surface-Wave Control Technique for Mutual Coupling Mitigation in Array Antenna. IEEE Microwave and Wireless Components Letters, 2022, 32, 623-626.	3.2	6
15	Automatic Cross Carrier-Envelope Phase Locking Within a Dual-Peak Mode-Locked Quantum-Dot Diode Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-4.	2.9	4
16	Reconfigurable microwave photonic filter based on a quantum dash mode-locked laser. Optics Letters, 2022, 47, 1133.	3.3	4
17	Quantum Dot Coherent Comb Laser Source for Converged Optical-Wireless Access Networks. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	2
18	Height distributions of uncapped InAs/InGaAsP/InP quantum dashes and their effect on emission wavelengths. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
19	Reconfigurable microwave photonics filters with negative coefficients based on a quantum dash mode-locked laser. , 2021, , .		1
20	Photonic Wireless Links for 5G Broadband Access Networks. , 2021, , .		0
21	Quantum-Dot Multi-Wavelength Lasers for Millimeter Wave Generation and Transmission. , 2021, , .		0
22	Reconfigurable Microwave Photonic Filter Enabled by a Quantum Dash Mode-Locked Laser. , 2021, , .		0
23	Static Characteristics of InAs/InP Buried Heterostructure Quantum Dash Mode-locked Lasers. , 2021, , .		0