

Abderrahim Ramdane

List of Publications by Year in descending order

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471509

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54
all docs

54
docs citations

54
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-fast optical ranging using quantum-dash mode-locked laser diodes. Scientific Reports, 2022, 12, 1076.	3.3	5
2	Optical Heterodyne Analog Radio-Over-Fiber Link for Millimeter-Wave Wireless Systems. Journal of Lightwave Technology, 2021, 39, 465-474.	4.6	38
3	Electrically injected parity-time symmetric distributed feedback laser diodes (DFB) for telecom applications. Nanophotonics, 2021, 10, 1309-1317.	6.0	6
4	Mode Locked Laser Phase Noise Reduction Under Optical Feedback for Coherent DWDM Communication. Journal of Lightwave Technology, 2020, 38, 5708-5715.	4.6	15
5	32QAM WDM transmission at 12 Tbit/s using a quantum-dash mode-locked laser diode (QD-MLLD) with external-cavity feedback. Optics Express, 2020, 28, 23594.	3.4	18
6	Quantum Dash Passively Mode Locked Laser for Optical Heterodyne Millimeter-Wave Analog Radio-over-Fiber Fronthaul Systems. , 2020, , .		10
7	56 Gb/s over 1.3 THz frequency range and 400G DWDM PAM-4 transmission with a single quantum dash mode-locked laser source. Optics Express, 2020, 28, 22443.	3.4	3
8	Self-Injected Optical Frequency Comb Quantum Dash Lasers. , 2019, , .		0
9	Comb-based WDM transmission at 10 Tbit/s using a DC-driven quantum-dash mode-locked laser diode. Optics Express, 2019, 27, 31110.	3.4	30
10	Coherent WDM transmission using quantum-dash mode-locked laser diodes as multi-wavelength source and local oscillator. Optics Express, 2019, 27, 31164.	3.4	35
11	Fast-Recovery of the Amplitude and Phase of Short Optical Pulses Using a Frequency-Swept Source Based Heterodyne Measurement. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	1
12	Laterally coupled distributed feedback lasers emitting at $2\pi \times 10^{14}$ m with quantum dash active region and high-duty-cycle etched semiconductor gratings. Journal of Applied Physics, 2017, 121, .	2.5	6
13	WDM Orthogonal Subcarrier Multiplexing Based on Mode-Locked Lasers. Journal of Lightwave Technology, 2017, 35, 2981-2987.	4.6	2
14	Simultaneous Determination of Electron and Hole Mobilities in InP/InGaAsP/InAs/InP Laser Heterostructure by Admittance Spectroscopy. IEEE Transactions on Electron Devices, 2017, 64, 2881-2885.	3.0	3
15	Dc and ac electrical response of MOCVD grown GaN in p-i-n structure, assessed through $I-V$ and admittance measurement. Journal Physics D: Applied Physics, 2017, 50, 505109.	2.8	4
16	Mitigation of relative intensity noise of quantum dash mode-locked lasers for PAM4 based optical interconnects using encoding techniques. Optics Express, 2017, 25, 20.	3.4	31
17	Simple dispersion estimate for single-section quantum-dash and quantum-dot mode-locked laser diodes. Optics Letters, 2016, 41, 5676.	3.3	9
18	Noise investigation of single section InAs/ InP quantum-dash lasers in active and passive mode-locking. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Correlation coefficient measurement of the mode-locked laser tones using four-wave mixing. Applied Optics, 2016, 55, 4441.	2.1	5
20	Discrimination of Carrier Conduction Mechanisms of InP/InGaAsP/InAs/InP Laser Structure Through Measurements. IEEE Transactions on Electron Devices, 2016, 63, 1866-1870.	3.0	4
21	200-Gb/s Baudrate-Pilot-Aided QPSK/Direct Detection With Single-Section Quantum-Well Mode-Locked Laser. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	10
22	Amplitude and Phase Noise of Frequency Combs Generated by Single-Section InAs/InP Quantum-Dash-Based Passively and Actively Mode-Locked Lasers. IEEE Journal of Quantum Electronics, 2016, 52, 1-7.	1.9	30
23	Single-section quantum well mode-locked laser for 400 Gb/s SSB-OFDM transmission. Optics Express, 2015, 23, 26442.	3.4	34
24	Analysis of Deep Level Defects in GaN p-i-n Diodes after Beta Particle Irradiation. Electronics (Switzerland), 2015, 4, 1090-1100.	3.1	10
25	Long-Term Frequency Stabilization of 10-GHz Quantum-Dash Passively Mode-Locked Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 46-52.	2.9	9
26	Quantum Dash Passively Mode-Locked Lasers for Tbit/s Data Interconnects. , 2015, , .		3
27	Tbit/s transmission based on mode locked laser frequency comb sources. , 2015, , .		0
28	Quantum Dash Mode-Locked Lasers for Data Centre Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 53-60.	2.9	58
29	Microstructural and electrical investigation of Pd/Au ohmic contact on p-GaN. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, 010603.	1.2	15
30	Electrical parameters of Au/n-GaN and Pt/n-GaN Schottky diodes. Superlattices and Microstructures, 2015, 82, 269-286.	3.1	10
31	One-Dimensional Nature of InAs/InP Quantum Dashes Revealed by Scanning Tunneling Spectroscopy. Nano Letters, 2015, 15, 4488-4497.	9.1	8
32	Quantum dash based single section mode locked lasers for photonic integrated circuits. Optics Express, 2014, 22, 11254.	3.4	23
33	Stability of Optical Frequency Comb Generated With InAs/InP Quantum-Dash-Based Passive Mode-Locked Lasers. IEEE Journal of Quantum Electronics, 2014, 50, 275-280.	1.9	26
34	Mode locked InAs/InP Quantum dash based DBR Laser monolithically integrated with a semiconductor optical amplifier. , 2013, , .		4
35	A Novel Scheme for Two-Level Stabilization of Semiconductor Mode-Locked Lasers Using Simultaneous Optical Injection and Optical Feedback. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1101208-1101208.	2.9	36
36	Mode coherence measurements across a 15ÂTHz spectral bandwidth of a passively mode-locked quantum dash laser. Optics Letters, 2012, 37, 1499.	3.3	17

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37	Mechanism of Ohmic Cr/Ni/Au contact formation on p-GaN. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, 022205.	1.2	3
38	High performance mode locking characteristics of single section quantum dash lasers. Optics Express, 2012, 20, 8649.	3.4	120
39	Timing jitter from the optical spectrum in semiconductor passively mode locked lasers. Optics Express, 2012, 20, 9151.	3.4	28
40	Optical Frequency Comb Generation Using Dual-Mode Injection-Locking of Quantum-Dash Mode-Locked Lasers: Properties and Applications. IEEE Journal of Quantum Electronics, 2012, 48, 1327-1338.	1.9	37
41	Phase Synchronization of a Two-Channel Phase-Sensitive Amplifier based on Optical Injection-Locking of InP Quantum-Dash Mode-Locked Lasers. , 2012, , .		1
42	All Optical Passive Stabilization of a Two-Section InAs/InP Based Quantum-Dash Mode-Locked Laser with Simultaneous CW Injection-Locking and Selective Optical Feedback. , 2012, , .		0
43	Observation of Harmonic-Mode-Locking in a Mode-Locked InAs/InP-Based Quantum-Dash Laser With CW Optical Injection. IEEE Photonics Technology Letters, 2011, 23, 549-551.	2.5	11
44	Dynamics of mode-locked InP based quantum dash lasers for optical communications. , 2011, , .		0
45	InAs/InP Quantum-Dot Passively Mode-Locked Lasers for 1.55- μ m Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1292-1301.	2.9	95
46	Scaling and tuning properties of microwave generation in CW injection locked InP-based mode-locked quantum dash lasers. , 2011, , .		1
47	Injection-Locking Properties of InAs/InP-Based Mode-Locked Quantum-Dash Lasers at 21 GHz. IEEE Photonics Technology Letters, 2011, 23, 1544-1546.	2.5	39
48	Optical Feedback Tolerance of Quantum-Dot- and Quantum-Dash-Based Semiconductor Lasers Operating at 1.55 μ m. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 764-773.	2.9	35
49	Separate Error-Free Transmission of Eight Channels at 10 Gb/s Using Comb Generation in a Quantum-Dash-Based Mode-Locked Laser. IEEE Photonics Technology Letters, 2009, 21, 1746-1748.	2.5	46
50	Laser diodes for microwave and millimeter wave photonics. , 2009, , .		2
51	Fiber optic applications of multiple quantum well electroabsorption modulators. Annales Des Telecommunications/Annals of Telecommunications, 2003, 58, 1459-1484.	2.5	1
52	Zero-loss multiple-quantum-well electroabsorption modulator with very low chirp. Applied Physics Letters, 1994, 64, 954-956.	3.3	16
53	High performance InP-based quantum dash semiconductor mode-locked lasers for optical communications. Bell Labs Technical Journal, 0, 14, 63-84.	0.7	62
54	Parity-time Symmetric gratings in 1550 nm Distributed-Feedback lasers diodes: insight on device design rules. Journal of the Optical Society of America B: Optical Physics, 0, , .	2.1	3