

Antonio Consoli

List of Publications by Year in descending order

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35
papers

342
citations

759233

12
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839539

18
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35
all docs

35
docs citations

35
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically driven random lasing from a modified Fabry-Pérot laser diode. Nature Photonics, 2022, 16, 219-225.	31.4	30
2	Networks of mutually coupled random lasers. Optica, 2021, 8, 193.	9.3	18
3	Mutually coupled random lasers in complex photonic networks. , 2021, , .		0
4	Impact on the chirp effect of the shaped electrical-driven current of the directly-modulated 1.55-µm VCSEL in an optical fiber link. Optics Communications, 2019, 435, 326-333.	2.1	2
5	Spectral Characterization of Transverse Modes in Random Lasers. , 2019, , .		1
6	Random lasing emission tailored by femtosecond and picosecond pulsed polymer ablation. Optics Letters, 2019, 44, 518.	3.3	23
7	Lasing optical cavities based on macroscopic scattering elements. Scientific Reports, 2017, 7, 40141.	3.3	23
8	Monolithic master oscillator power amplifier at 1.58 µm for lidar measurements. , 2017, , .		0
9	Emission regimes of random lasers with spatially localized feedback. Optics Express, 2016, 24, 10912.	3.4	24
10	Microwave Signal Generation Using a 1550 nm VCSEL Subject to Dual-Beam Orthogonal Optical Injection. , 2015, , .		0
11	Large area resonant feedback random lasers based on dye-doped biopolymer films. Optics Express, 2015, 23, 29954.	3.4	26
12	Decoupling gain and feedback in coherent random lasers: experiments and simulations. Scientific Reports, 2015, 5, 16848.	3.3	32
13	Photonic Generation of Microwave Signals Using a Single-Mode VCSEL Subject to Dual-Beam Orthogonal Optical Injection. IEEE Photonics Journal, 2015, 7, 1-14.	2.0	32
14	Web-based interactive educational software introducing semiconductor laser dynamics: Sound of Lasers (SOL). Proceedings of SPIE, 2014, , .	0.8	0
15	High-brightness all semiconductor laser at 1.57 µm for space-borne lidar measurements of atmospheric carbon dioxide: device design and analysis of requirements. Proceedings of SPIE, 2014, , .	0.8	6
16	Dynamics of long-wavelength VCSELs subject to dual-beam optical injection. , 2014, , .		0
17	Simulation and geometrical design of multi-section tapered semiconductor optical amplifiers at 1.57 µm. , 2014, , .		6
18	Temporally flat top pulse generation from gain switched semiconductor lasers based on a polarization interferometer with variable transfer function. Optics Communications, 2014, 329, 214-220.	2.1	1

#	ARTICLE	IF	CITATIONS
19	Pseudo-Random Single Photon Counting for space-borne atmospheric sensing applications. , 2014, , .		7
20	Emission regimes in a distributed feedback tapered master-oscillator power-amplifier at 1.5 μm . Proceedings of SPIE, 2014, , .	0.8	1
21	High Data Rate Modulation of High Power 1060-nm DBR Tapered Lasers With Separate Contacts. IEEE Photonics Technology Letters, 2013, 25, 2171-2173.	2.5	1
22	Dynamic response of a monolithic master-oscillator power-amplifier at 1.5 μm . Proceedings of SPIE, 2013, , .	0.8	3
23	High-frequency signal generation using 1550 nm VCSEL subject to two-frequency optical injection. , 2013, , .		0
24	Short pulse generation by Q-switching two section tapered lasers. Proceedings of SPIE, 2012, , .	0.8	2
25	High-peak-power pulse generation from a monolithic master oscillator power amplifier at 1.5 μm . Applied Optics, 2012, 51, 7160.	1.8	22
26	Self-validating technique for the measurement of the linewidth enhancement factor in semiconductor lasers. Optics Express, 2012, 20, 4979.	3.4	8
27	Pulse shortening of gain switched single mode semiconductor lasers using a variable delay interferometer. Optics Express, 2012, 20, 22481.	3.4	14
28	Simultaneously measuring two ultrashort laser pulses on a single-shot using double-blind frequency-resolved optical gating. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1237.	2.1	26
29	Sound of lasers (SOL) — An audiovisual approach to semiconductor laser dynamics. , 2012, , .		1
30	Time resolved chirp measurements of gain switched semiconductor laser using a polarization based optical differentiator. Optics Express, 2011, 19, 10805.	3.4	15
31	Double-Blind Frequency-Resolved Optical Gating for Measuring Two Different Pulses Simultaneously. , 2011, , .		0
32	Electrical characterization of long wavelength VCSELs with tunnel junction. , 2011, , .		5
33	Optical injection-induced timing jitter reduction in gain-switched single-mode vertical-cavity surface-emitting lasers. , 2010, , .		1
34	Characterization of Gain-Switched Pulses From 1.55- μm VCSEL. IEEE Photonics Technology Letters, 2010, 22, 772-774.	2.5	10
35	Transmission Performance Improvement of Directly Modulated 1.5 μm VCSEL: Simulations and Experiments. , 2010, , .		2