

Antonio Consoli

List of Publications by Year in descending order

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35
papers

342
citations

759233

12
h-index

839539

18
g-index

35
all docs

35
docs citations

35
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoupling gain and feedback in coherent random lasers: experiments and simulations. Scientific Reports, 2015, 5, 16848.	3.3	32
2	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
3	Electrically driven random lasing from a modified Fabry-Pérot laser diode. Nature Photonics, 2022, 16, 219-225.	31.4	30
4	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
5	Large area resonant feedback random lasers based on dye-doped biopolymer films. Optics Express, 2015, 23, 29954.	3.4	26
6	Emission regimes of random lasers with spatially localized feedback. Optics Express, 2016, 24, 10912.	3.4	24
7	Lasing optical cavities based on macroscopic scattering elements. Scientific Reports, 2017, 7, 40141.	3.3	23
8	Random lasing emission tailored by femtosecond and picosecond pulsed polymer ablation. Optics Letters, 2019, 44, 518.	3.3	23
9	High-peak-power pulse generation from a monolithic master oscillator power amplifier at 15 μ m. Applied Optics, 2012, 51, 7160.	1.8	22
10	Networks of mutually coupled random lasers. Optica, 2021, 8, 193.	9.3	18
11	Time resolved chirp measurements of gain switched semiconductor laser using a polarization based optical differentiator. Optics Express, 2011, 19, 10805.	3.4	15
12	Pulse shortening of gain switched single mode semiconductor lasers using a variable delay interferometer. Optics Express, 2012, 20, 22481.	3.4	14
13	Characterization of Gain-Switched Pulses From 1.55- μ m VCSEL. IEEE Photonics Technology Letters, 2010, 22, 772-774.	2.5	10
14	Self-validating technique for the measurement of the linewidth enhancement factor in semiconductor lasers. Optics Express, 2012, 20, 4979.	3.4	8
15	Pseudo-Random Single Photon Counting for space-borne atmospheric sensing applications. , 2014, , .		7
16	High-brightness all semiconductor laser at 1.57 μ m for space-borne lidar measurements of atmospheric carbon dioxide: device design and analysis of requirements. Proceedings of SPIE, 2014, , .	0.8	6
17	Simulation and geometrical design of multi-section tapered semiconductor optical amplifiers at 1.57 μ m. , 2014, , .		6
18	Electrical characterization of long wavelength VCSELs with tunnel junction. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
19	Dynamic response of a monolithic master-oscillator power-amplifier at 1.5 μm . Proceedings of SPIE, 2013, , .	0.8	3
20	Transmission Performance Improvement of Directly Modulated 1.5 μm VCSEL: Simulations and Experiments. , 2010, , .		2
21	Short pulse generation by Q-switching two section tapered lasers. Proceedings of SPIE, 2012, , .	0.8	2
22	Impact on the chirp effect of the shaped electrical-driven current of the directly-modulated 1.5 μm VCSEL in an optical fiber link. Optics Communications, 2019, 435, 326-333.	2.1	2
23	Optical injection-induced timing jitter reduction in gain-switched single-mode vertical-cavity surface-emitting lasers. , 2010, , .		1
24	Sound of lasers (SOL) — An audiovisual approach to semiconductor laser dynamics. , 2012, , .		1
25	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
26	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
27	Emission regimes in a distributed feedback tapered master-oscillator power-amplifier at 1.5 μm . Proceedings of SPIE, 2014, , .	0.8	1
28	Spectral Characterization of Transverse Modes in Random Lasers. , 2019, , .		1
29	Double-Blind Frequency-Resolved Optical Gating for Measuring Two Different Pulses Simultaneously. , 2011, , .		0
30	High-frequency signal generation using 1550 nm VCSEL subject to two-frequency optical injection. , 2013, , .		0
31	Web-based interactive educational software introducing semiconductor laser dynamics: Sound of Lasers (SOL). Proceedings of SPIE, 2014, , .	0.8	0
32	Dynamics of long-wavelength VCSELs subject to dual-beam optical injection. , 2014, , .		0
33	Microwave Signal Generation Using a 1550 nm VCSEL Subject to Dual-Beam Orthogonal Optical Injection. , 2015, , .		0
34	Mutually coupled random lasers in complex photonic networks. , 2021, , .		0
35	Monolithic master oscillator power amplifier at 1.58 μm for lidar measurements. , 2017, , .		0