

Ramon Vilaseca

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

404
citations

759233

12
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

319
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational relaxation of ortho and para-H ₂ in the range 400-50 K. Chemical Physics Letters, 1975, 31, 232-236.	2.6	66
2	Second-harmonic parametric scattering in ferroelectric crystals with disordered nonlinear domain structures. Optics Express, 2007, 15, 15868.	3.4	62
3	Experimental study of the vibrational relaxation of ortho and para-H ₂ in collisions with 4He in the range 300±50 K. Chemical Physics Letters, 1976, 37, 408-411.	2.6	47
4	Planar second-harmonic generation with noncollinear pumps in disordered media. Optics Express, 2008, 16, 14192.	3.4	40
5	Investigation of aCO ₂ laser response to loss perturbation near period doubling. Physical Review A, 1995, 51, 663-668.	2.5	31
6	Experimental control of nonlinear dynamics by slow parametric modulation. Physical Review E, 1997, 55, 2455-2461.	2.1	30
7	Stochastic logic gate that exploits noise and polarization bistability in an optically injected VCSEL. Optics Express, 2012, 20, 22692.	3.4	28
8	Rogue waves in injected semiconductor lasers with current modulation: role of the modulation phase. Optics Express, 2014, 22, 28377.	3.4	19
9	Polarization-sensitive population trapping in an optically pumped laser. Physical Review A, 1994, 49, 1487-1490.	2.5	17
10	Double fitting of Maker fringes to characterize near-surface and bulk second-order nonlinearities in poled silica. Applied Physics Letters, 2000, 76, 3346-3348.	3.3	16
11	Types I and II intermittencies in a cascade laser model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 206, 359-364.	2.1	14
12	Second- and third-harmonic parametric scattering in disordered quadratic media. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 215404.	1.5	12
13	Subdiffraction and spatial filtering due to periodic spatial modulation of the gain/loss profile. , 2009, , .		7
14	Study of the second-order susceptibility from the cathode-side face of poled glasses. Journal of Non-Crystalline Solids, 1999, 255, 250-253.	3.1	6
15	Room-temperature spectral hole burning in an engineered inhomogeneously broadened resonance. Optics Letters, 2008, 33, 2374.	3.3	5
16	Second-order optical nonlinearity generated by doping the surface layer of silica with anions or cations. Journal of Applied Physics, 2000, 88, 4666.	2.5	4
17	Gain/loss periodic spatial modulated materials on a wavelength scale. , 2009, , .		0
18	All optical implementation of a stochastic logic gate using a VCSEL with external optical injection. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	Self-collimation and spatial filtering in 2D gain/loss periodic spatially modulated materials. , 2011, , .		0
20	All optical implementation of a stochastic logic gate using a VCSEL with external optical injection. , 2012, , .		0
21	Ultra-fast Optical Reconfiguration via Nonlinear Effects in Semiconductor Photonic Crystals. , 2008, , 79-96.		0