

Ramon Vilaseca

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

317
citations

11
h-index

17
g-index

21
ext. papers

384
ext. citations

2.7
avg, IF

2.14
L-index

#	Paper	IF	Citations
16	Vibrational relaxation of ortho and para-H ₂ in the range 400-50 K. <i>Chemical Physics Letters</i> , 1975 , 31, 232-236	2.5	64
15	Experimental study of the vibrational relaxation of ortho and para-H ₂ in collisions with 4He in the range 300-50 K. <i>Chemical Physics Letters</i> , 1976 , 37, 408-411	2.5	44
14	Second-harmonic parametric scattering in ferroelectric crystals with disordered nonlinear domain structures. <i>Optics Express</i> , 2007 , 15, 15868-77	3.3	36
13	Experimental control of nonlinear dynamics by slow parametric modulation. <i>Physical Review E</i> , 1997 , 55, 2455-2461	2.4	28
12	Investigation of a CO ₂ laser response to loss perturbation near period doubling. <i>Physical Review A</i> , 1995 , 51, 663-668	2.6	27
11	Stochastic logic gate that exploits noise and polarization bistability in an optically injected VCSEL. <i>Optics Express</i> , 2012 , 20, 22692-9	3.3	26
10	Planar second-harmonic generation with noncollinear pumps in disordered media. <i>Optics Express</i> , 2008 , 16, 14192-9	3.3	18
9	Polarization-sensitive population trapping in an optically pumped laser. <i>Physical Review A</i> , 1994 , 49, 1487-1490	2.6	16
8	Double fitting of Maker fringes to characterize near-surface and bulk second-order nonlinearities in poled silica. <i>Applied Physics Letters</i> , 2000 , 76, 3346-3348	3.4	15
7	Rogue waves in injected semiconductor lasers with current modulation: role of the modulation phase. <i>Optics Express</i> , 2014 , 22, 28377-82	3.3	11
6	Second- and third-harmonic parametric scattering in disordered quadratic media. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 215404	1.3	11
5	Types I and II intermittencies in a cascade laser model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 206, 359-364	2.3	9
4	Study of the second-order susceptibility from the cathode-side face of poled glasses. <i>Journal of Non-Crystalline Solids</i> , 1999 , 255, 250-253	3.9	5
3	Room-temperature spectral hole burning in an engineered inhomogeneously broadened resonance. <i>Optics Letters</i> , 2008 , 33, 2374-6	3	4
2	Second-order optical nonlinearity generated by doping the surface layer of silica with anions or cations. <i>Journal of Applied Physics</i> , 2000 , 88, 4666	2.5	3
1	Ultra-fast Optical Reconfiguration via Nonlinear Effects in Semiconductor Photonic Crystals 2008 , 79-96		