Carles Milian Enrique

List of Publications by Year
in descending order

46	1,009	393982	414034
papers	citations	19 h-index	32 g-index

46	46	46	940
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quartic Kerr cavity combs: bright and dark solitons. Optics Letters, 2022, 47, 2438.	1.7	14
2	Reversible Self-Replication of Spatiotemporal Kerr Cavity Patterns. Physical Review Letters, 2021, 126, 063903.	2.9	7
3	Robust Ultrashort Light Bullets in Strongly Twisted Waveguide Arrays. Physical Review Letters, 2019, 123, 133902.	2.9	28
4	Kapitza Pendulum Effect with Overclocked Raman Comb Solitons in a Microring Resonator. , 2019, , .		0
5	Dark solitons, dispersive waves and their collision in an optical fiber. , 2018, , .		0
6	Clusters of Cavity Solitons Bounded by Conical Radiation. Physical Review Letters, 2018, 121, 103903.	2.9	12
7	Collision between a dark soliton and a linear wave in an optical fiber. Optics Express, 2018, 26, 23480.	1.7	7
8	Bound states in the continuum in a two-dimensional PT-symmetric system. Optics Letters, 2018, 43, 575.	1.7	20
9	Cavity solitons in a microring dimer with gain and loss. Optics Letters, 2018, 43, 979.	1.7	9
10	PT-symmetric bound states in the continuum. , 2018, , .		0
11	Grayness-dependent emission of dispersive waves from dark solitons in optical fibers. Optics Letters, 2018, 43, 1511.	1.7	11
12	Cell viability and shock wave amplitudes in the endothelium of porcine cornea exposed to ultrashort laser pulses. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 945-953.	1.0	5
13	Anomalous effects of radioactive decay rates and capacitance values measured inside a modified Faraday cage: Correlations with space weather. Europhysics Letters, 2017, 117, 62002.	0.7	7
14	Existence and switching behavior of bright and dark Kerr solitons in whispering-gallery mode resonators with zero group-velocity dispersion. European Physical Journal D, 2017, 71, 1.	0.6	18
15	Spectral wings of the fiber supercontinuum and the dark-bright soliton interaction. Optics Express, 2017, 25, 10494.	1.7	13
16	Emission of dispersive waves from a train of dark solitons in optical fibers. Optics Letters, 2016, 41, 2454.	1.7	21
17	Anomalous effects on radiation detectors and capacitance measurements inside a modified Faraday cage. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 828, 210-228.	0.7	11
18	Underwater acoustic wave generation by filamentation of terawatt ultrashort laser pulses. Physical Review E, 2016, 93, 063106.	0.8	27

#	Article	IF	Citations
19	Spaceborne laser filamentation for atmospheric remote sensing. Laser and Photonics Reviews, 2016, 10, 481-493.	4.4	45
20	Solitons and frequency combs in silica microring resonators: Interplay of the Raman and higher-order dispersion effects. Physical Review A, 2015, 92, .	1.0	91
21	Tubular filamentation for laser material processing. Scientific Reports, 2015, 5, 8914.	1.6	63
22	Laser-assisted guiding of electric discharges around objects. Science Advances, 2015, 1, e1400111.	4.7	110
23	Generation of long-lived underdense channels using femtosecond filamentation in air. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094009.	0.6	51
24	Laser beam self-symmetrization in air in the multifilamentation regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094013.	0.6	10
25	Laser Guided Curved Electric Discharges. , 2015, , .		0
26	Effect of input pulse chirp on nonlinear energy deposition and plasma excitation in water. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2829.	0.9	25
27	Energy deposition dynamics of femtosecond pulses in water. Applied Physics Letters, 2014, 105, .	1.5	26
28	Nonlinear energy deposition in water from fs-laser pulses: effect of the input chirp. , 2014, , .		0
29	Propagation of intense femtosecond laser pulse in water and acoustic waves generation. , 2014, , .		1
30	Imaging Ultrafast Light-Matter Interaction with Inverse Raman Scattering. , 2014, , .		0
31	Multi-peak-spectra generation with Cherenkov radiation in a non-uniform single mode fiber. Optics Express, 2014, 22, 2451.	1.7	25
32	Soliton families and resonant radiation in a micro-ring resonator near zero group-velocity dispersion: erratum. Optics Express, 2014, 22, 8068.	1.7	0
33	Supercontinuum optimization for dual-soliton based light sources using genetic algorithms in a grid platform. Optics Express, 2014, 22, 23686.	1.7	28
34	Filamentation with nonlinear Bessel vortices. Optics Express, 2014, 22, 25410.	1.7	35
35	Soliton families and resonant radiation in a micro-ring resonator near zero group-velocity dispersion. Optics Express, 2014, 22, 3732.	1.7	103
36	Superfilamentation in Air. Physical Review Letters, 2014, 112, 223902.	2.9	80

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37	Variational theory of soliplasmon resonances. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2507.	0.9	11
38	Soliton-plasmon resonances as Maxwell nonlinear bound states. Optics Letters, 2012, 37, 4221.	1.7	24
39	Polychromatic Cherenkov radiation and supercontinuum in tapered optical fibers. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 589.	0.9	21
40	Femtosecond pulse compression in a hollow-core photonic bandgap fiber by tuning its cross section. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 594-601.	1.0	3
41	Novel properties of soliton-plasmon interactions. , 2011, , .		0
42	Nonlinear switching in arrays of semiconductor on metal photonic wires. Applied Physics Letters, 2011, 98, 111104.	1.5	13
43	Modeling the tapering effects on the modal parameters of a hollow-core photonic bandgap fiber. , 2011, , .		0
44	Stability of soliplasmon excitations at metal/dielectric interfaces. , 2011, , .		0
45	Designing supercontinuum spectra using Grid technology. , 2010, , .		2
46	Continuum generation by dark solitons. Optics Letters, 2009, 34, 2096.	1.7	32