

# Carles Milian Enrique

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,009  
citations

393982

19  
h-index

414034

32  
g-index

46  
all docs

46  
docs citations

46  
times ranked

940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-assisted guiding of electric discharges around objects. <i>Science Advances</i> , 2015, 1, e1400111.	4.7	110
2	Soliton families and resonant radiation in a micro-ring resonator near zero group-velocity dispersion. <i>Optics Express</i> , 2014, 22, 3732.	1.7	103
3	Solitons and frequency combs in silica microring resonators: Interplay of the Raman and higher-order dispersion effects. <i>Physical Review A</i> , 2015, 92, .	1.0	91
4	Superfilamentation in Air. <i>Physical Review Letters</i> , 2014, 112, 223902.	2.9	80
5	Tubular filamentation for laser material processing. <i>Scientific Reports</i> , 2015, 5, 8914.	1.6	63
6	Generation of long-lived underdense channels using femtosecond filamentation in air. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 094009.	0.6	51
7	Spaceborne laser filamentation for atmospheric remote sensing. <i>Laser and Photonics Reviews</i> , 2016, 10, 481-493.	4.4	45
8	Filamentation with nonlinear Bessel vortices. <i>Optics Express</i> , 2014, 22, 25410.	1.7	35
9	Continuum generation by dark solitons. <i>Optics Letters</i> , 2009, 34, 2096.	1.7	32
10	Supercontinuum optimization for dual-soliton based light sources using genetic algorithms in a grid platform. <i>Optics Express</i> , 2014, 22, 23686.	1.7	28
11	Robust Ultrashort Light Bullets in Strongly Twisted Waveguide Arrays. <i>Physical Review Letters</i> , 2019, 123, 133902.	2.9	28
12	Underwater acoustic wave generation by filamentation of terawatt ultrashort laser pulses. <i>Physical Review E</i> , 2016, 93, 063106.	0.8	27
13	Energy deposition dynamics of femtosecond pulses in water. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	26
14	Effect of input pulse chirp on nonlinear energy deposition and plasma excitation in water. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2829.	0.9	25
15	Multi-peak-spectra generation with Cherenkov radiation in a non-uniform single mode fiber. <i>Optics Express</i> , 2014, 22, 2451.	1.7	25
16	Soliton-plasmon resonances as Maxwell nonlinear bound states. <i>Optics Letters</i> , 2012, 37, 4221.	1.7	24
17	Polychromatic Cherenkov radiation and supercontinuum in tapered optical fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 589.	0.9	21
18	Emission of dispersive waves from a train of dark solitons in optical fibers. <i>Optics Letters</i> , 2016, 41, 2454.	1.7	21

#	ARTICLE	IF	CITATIONS
19	Bound states in the continuum in a two-dimensional PT-symmetric system. <i>Optics Letters</i> , 2018, 43, 575.	1.7	20
20	Existence and switching behavior of bright and dark Kerr solitons in whispering-gallery mode resonators with zero group-velocity dispersion. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	18
21	Quartic Kerr cavity combs: bright and dark solitons. <i>Optics Letters</i> , 2022, 47, 2438.	1.7	14
22	Nonlinear switching in arrays of semiconductor on metal photonic wires. <i>Applied Physics Letters</i> , 2011, 98, 111104.	1.5	13
23	Spectral wings of the fiber supercontinuum and the dark-bright soliton interaction. <i>Optics Express</i> , 2017, 25, 10494.	1.7	13
24	Clusters of Cavity Solitons Bounded by Conical Radiation. <i>Physical Review Letters</i> , 2018, 121, 103903.	2.9	12
25	Variational theory of soliplasmon resonances. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2507.	0.9	11
26	Anomalous effects on radiation detectors and capacitance measurements inside a modified Faraday cage. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 828, 210-228.	0.7	11
27	Grayness-dependent emission of dispersive waves from dark solitons in optical fibers. <i>Optics Letters</i> , 2018, 43, 1511.	1.7	11
28	Laser beam self-symmetrization in air in the multifilamentation regime. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 094013.	0.6	10
29	Cavity solitons in a microring dimer with gain and loss. <i>Optics Letters</i> , 2018, 43, 979.	1.7	9
30	Anomalous effects of radioactive decay rates and capacitance values measured inside a modified Faraday cage: Correlations with space weather. <i>Europhysics Letters</i> , 2017, 117, 62002.	0.7	7
31	Collision between a dark soliton and a linear wave in an optical fiber. <i>Optics Express</i> , 2018, 26, 23480.	1.7	7
32	Reversible Self-Replication of Spatiotemporal Kerr Cavity Patterns. <i>Physical Review Letters</i> , 2021, 126, 063903.	2.9	7
33	Cell viability and shock wave amplitudes in the endothelium of porcine cornea exposed to ultrashort laser pulses. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 945-953.	1.0	5
34	Femtosecond pulse compression in a hollow-core photonic bandgap fiber by tuning its cross section. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 594-601.	1.0	3
35	Designing supercontinuum spectra using Grid technology. , 2010, , .		2
36	Propagation of intense femtosecond laser pulse in water and acoustic waves generation. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	Novel properties of soliton-plasmon interactions. , 2011, , .		0
38	Modeling the tapering effects on the modal parameters of a hollow-core photonic bandgap fiber. , 2011, , .		0
39	Stability of soliplasmon excitations at metal/dielectric interfaces. , 2011, , .		0
40	Nonlinear energy deposition in water from fs-laser pulses: effect of the input chirp. , 2014, , .		0
41	Imaging Ultrafast Light-Matter Interaction with Inverse Raman Scattering. , 2014, , .		0
42	Soliton families and resonant radiation in a micro-ring resonator near zero group-velocity dispersion: erratum. Optics Express, 2014, 22, 8068.	1.7	0
43	Dark solitons, dispersive waves and their collision in an optical fiber. , 2018, , .		0
44	PT-symmetric bound states in the continuum. , 2018, , .		0
45	Kapitza Pendulum Effect with Overclocked Raman Comb Solitons in a Microring Resonator. , 2019, , .		0
46	Laser Guided Curved Electric Discharges. , 2015, , .		0