

Carles Milian Enrique

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,009
citations

394421

19
h-index

414414

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. Science Advances, 2015, 1, e1400111. | 10.3 | 110 |
| 2 | Soliton families and resonant radiation in a micro-ring resonator near zero group-velocity dispersion. Optics Express, 2014, 22, 3732. | 3.4 | 103 |
| 3 | Solitons and frequency combs in silica microring resonators: Interplay of the Raman and higher-order dispersion effects. Physical Review A, 2015, 92, . | 2.5 | 91 |
| 4 | Superfilamentation in Air. Physical Review Letters, 2014, 112, 223902. | 7.8 | 80 |
| 5 | Tubular filamentation for laser material processing. Scientific Reports, 2015, 5, 8914. | 3.3 | 63 |
| 6 | Generation of long-lived underdense channels using femtosecond filamentation in air. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094009. | 1.5 | 51 |
| 7 | Spaceborne laser filamentation for atmospheric remote sensing. Laser and Photonics Reviews, 2016, 10, 481-493. | 8.7 | 45 |
| 8 | Filamentation with nonlinear Bessel vortices. Optics Express, 2014, 22, 25410. | 3.4 | 35 |
| 9 | Continuum generation by dark solitons. Optics Letters, 2009, 34, 2096. | 3.3 | 32 |
| 10 | Supercontinuum optimization for dual-soliton based light sources using genetic algorithms in a grid platform. Optics Express, 2014, 22, 23686. | 3.4 | 28 |
| 11 | Robust Ultrashort Light Bullets in Strongly Twisted Waveguide Arrays. Physical Review Letters, 2019, 123, 133902. | 7.8 | 28 |
| 12 | Underwater acoustic wave generation by filamentation of terawatt ultrashort laser pulses. Physical Review E, 2016, 93, 063106. | 2.1 | 27 |
| 13 | Energy deposition dynamics of femtosecond pulses in water. Applied Physics Letters, 2014, 105, . | 3.3 | 26 |
| 14 | 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. | 2.1 | 25 |
| 15 | Multi-peak-spectra generation with Cherenkov radiation in a non-uniform single mode fiber. Optics Express, 2014, 22, 2451. | 3.4 | 25 |
| 16 | Soliton-plasmon resonances as Maxwell nonlinear bound states. Optics Letters, 2012, 37, 4221. | 3.3 | 24 |
| 17 | Polychromatic Cherenkov radiation and supercontinuum in tapered optical fibers. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 589. | 2.1 | 21 |
| 18 | Emission of dispersive waves from a train of dark solitons in optical fibers. Optics Letters, 2016, 41, 2454. | 3.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Bound states in the continuum in a two-dimensional PT-symmetric system. Optics Letters, 2018, 43, 575. | 3.3 | 20 |
| 20 | 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. | 1.3 | 18 |
| 21 | Quartic Kerr cavity combs: bright and dark solitons. Optics Letters, 2022, 47, 2438. | 3.3 | 14 |
| 22 | Nonlinear switching in arrays of semiconductor on metal photonic wires. Applied Physics Letters, 2011, 98, 111104. | 3.3 | 13 |
| 23 | Spectral wings of the fiber supercontinuum and the dark-bright soliton interaction. Optics Express, 2017, 25, 10494. | 3.4 | 13 |
| 24 | Clusters of Cavity Solitons Bounded by Conical Radiation. Physical Review Letters, 2018, 121, 103903. | 7.8 | 12 |
| 25 | Variational theory of soliplasmon resonances. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2507. | 2.1 | 11 |
| 26 | 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. | 1.6 | 11 |
| 27 | Grayness-dependent emission of dispersive waves from dark solitons in optical fibers. Optics Letters, 2018, 43, 1511. | 3.3 | 11 |
| 28 | Laser beam self-symmetrization in air in the multifilamentation regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094013. | 1.5 | 10 |
| 29 | Cavity solitons in a microring dimer with gain and loss. Optics Letters, 2018, 43, 979. | 3.3 | 9 |
| 30 | Anomalous effects of radioactive decay rates and capacitance values measured inside a modified Faraday cage: Correlations with space weather. Europhysics Letters, 2017, 117, 62002. | 2.0 | 7 |
| 31 | Collision between a dark soliton and a linear wave in an optical fiber. Optics Express, 2018, 26, 23480. | 3.4 | 7 |
| 32 | Reversible Self-Replication of Spatiotemporal Kerr Cavity Patterns. Physical Review Letters, 2021, 126, 063903. | 7.8 | 7 |
| 33 | 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. | 1.9 | 5 |
| 34 | 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. | 2.0 | 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. | 3.4 | 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 |