

Augusto S Rodrigues

List of Publications by Year in descending order

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18
papers

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840119

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18
docs citations

18
times ranked

462
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic bandgap materials and structures by sol-gel processing. Journal of Non-Crystalline Solids, 2003, 326-327, 405-409.	1.5	68
2	Theory and measurements of harmonic generation in semiconductor superlattices with applications in the 100 GHz to 1 THz range. Physical Review B, 2017, 96, .	1.1	52
3	Interactions and scattering of quantum vortices in a polariton fluid. Nature Communications, 2018, 9, 1467.	5.8	46
4	Matter-wave solitons with a periodic, piecewise-constant scattering length. Physical Review A, 2008, 78, .	1.0	45
5	Dynamic generation of matter solitons from linear states via time-dependent scattering lengths. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1173-1188.	0.6	32
6	Interaction of dual-frequency pulses in passively mode-locked lasers. Optics Communications, 2001, 187, 419-426.	1.0	31
7	Spinor Bose-Einstein condensate flow past an obstacle. Physical Review A, 2009, 79, .	1.0	17
8	Nonlinear excitations, stability inversions, and dissipative dynamics in quasi-one-dimensional polariton condensates. Physical Review B, 2011, 83, .	1.1	14
9	Interaction of discrete nonlinear Schrödinger solitons with a linear lattice impurity. Physical Review A, 2013, 87, .	1.0	14
10	From nodeless clouds and vortices to gray ring solitons and symmetry-broken states in two-dimensional polariton condensates. Journal of Physics Condensed Matter, 2014, 26, 155801.	0.7	14
11	Nonlinear pulse propagation in the vicinity of a two-photon resonance. Physical Review A, 1995, 52, 3231-3238.	1.0	12
12	Bound states of plain and composite pulses: Multi-soliton solutions. Optical Fiber Technology, 2005, 11, 292-305.	1.4	12
13	Femtosecond pulse propagation near a two-photon transition in a semiconductor quantum-dot waveguide. Optics Letters, 1996, 21, 659.	1.7	10
14	Hydrodynamics and two-dimensional dark lump solitons for polariton superfluids. Physical Review E, 2018, 98, 022205.	0.8	6
15	A Korteweg-de Vries description of dark solitons in polariton superfluids. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3805-3811.	0.9	5
16	Title is missing!. Optical and Quantum Electronics, 1997, 29, 961-983.	1.5	2
17	Transverse instability of solitons in nonlinear systems. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1106.	0.9	2
18	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -break states in a chain of nonlinear oscillators. Physical Review E, 2019, 99, 022201.	0.8	0