

Zhiming Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

239
citations

933447

10
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-cycle coherent control of ionic dynamics via transient ionization injection. <i>Communications Physics</i> , 2020, 3, .	5.3	35
2	Storage and retrieval of vector optical solitons via double electromagnetically induced transparency. <i>Physical Review A</i> , 2015, 91, .	2.5	25
3	Storage and retrieval of (3 + 1)-dimensional weak-light bullets and vortices in a coherent atomic gas. <i>Scientific Reports</i> , 2015, 5, 8211.	3.3	19
4	Role of rotational coherence in femtosecond-pulse-driven nitrogen ion lasing. <i>Physical Review Research</i> , 2020, 2, .	3.6	19
5	Localized gap modes of coherently trapped atoms in an optical lattice. <i>Optics Express</i> , 2021, 29, 3011.	3.4	18
6	Electromagnetically induced moiré optical lattices in a coherent atomic gas. <i>Frontiers of Physics</i> , 2022, 17, .	5.0	17
7	Two-dimensional optical gap solitons and vortices in a coherent atomic ensemble loaded on optical lattices. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 102, 105911.	3.3	16
8	Ultraslow weak-light solitons and their storage and retrieval in a kagome-structured hollow-core photonic crystal fiber. <i>Optics Express</i> , 2017, 25, 19094.	3.4	15
9	Vibrational population transfer between electronic states of N_2^+ induced by self-seeding ionic lasers created in polarization-modulated intense laser fields. <i>Physical Review A</i> , 2019, 100, .	2.5	14
10	Trapping of weak signal pulses by soliton and trajectory control in a coherent atomic gas. <i>Physical Review A</i> , 2014, 89, .	2.5	12
11	Enhanced resonant vibrational Raman scattering of N_2^+ induced by self-seeding ionic lasers created in polarization-modulated intense laser fields. <i>Optics Letters</i> , 2020, 45, 5616.	3.3	10
12	Stern-Gerlach effect of multi-component ultraslow optical solitons via electromagnetically induced transparency. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2248.	2.1	9
13	Stern-Gerlach deflection of optical Thirring solitons in a coherent atomic system. <i>Physical Review A</i> , 2019, 100, .	2.5	8
14	Controlling the collective radiative decay of molecular ions in strong laser fields. <i>Photonics Research</i> , 2021, 9, 2046.	7.0	8
15	Mechanism and control of rotational coherence in femtosecond laser-driven N_2^+ . <i>Optics Express</i> , 2020, 28, 22829.	3.4	5
16	Nonlinear localized modes in one-dimensional nanoscale dark-state optical lattices. <i>Nanophotonics</i> , 2022, 11, 3465-3474.	6.0	4
17	Spatial focusing of surface polaritons based on cross-phase modulation. <i>Results in Physics</i> , 2021, 27, 104531.	4.1	3
18	Manipulation of a weak signal pulse by optical soliton via double electromagnetically induced transparency. <i>Journal of Physics Communications</i> , 2019, 3, 115003.	1.2	1

#	ARTICLE	IF	CITATIONS
19	Intensity-independent molecular rotational decoherence lifetimes measured with mean wavelength shifts of femtosecond pulses. Chinese Optics Letters, 2018, 16, 120201.	2.9	1