Yan Zhang

List of Publications by Year
in descending order

36 papers	424 citations	759233 12 h-index	794594 19 g-index
37 all docs	37 docs citations	37 times ranked	160 citing authors

#	Article	IF	Citations
1	Phase-modulated Autler-Townes splitting in a giant-atom system within waveguide QED. Frontiers of Physics, 2022, 17, 1.	5.0	13
2	Light transfer transitions beyond higher-order exceptional points in parity-time and anti-parity-time symmetric waveguide arrays. Optics Express, 2022, 30, 20088.	3.4	5
3	Giant Atoms in a Synthetic Frequency Dimension. Physical Review Letters, 2022, 128, .	7.8	36
4	Giant atoms with time-dependent couplings. Physical Review Research, 2022, 4, .	3.6	24
5	Controlled unidirectional reflection in cold atoms via the spatial Kramers-Kronig relation. Optics Express, 2021, 29, 5890.	3.4	12
6	Perfect transfer of enhanced entanglement and asymmetric steering in a cavity-magnomechanical system. Physical Review A, 2021, 103, .	2.5	32
7	Topological edge states controlled by next-nearest-neighbor coupling and Peierls phase in a P T-symmetric trimerized lattice. Optics Express, 2021, 29, 37722.	3.4	4
8	Controllable enhanced linear and nonlinear optical characteristics induced by PT-like phase transition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126836.	2.1	2
9	Dynamically tunable three-color reflections immune to disorder in optical lattices with trapped cold Rb87 atoms. Physical Review A, 2020, 101, .	2.5	9
10	Controllable unidirectional transport and light trapping using a one-dimensional lattice with non-Hermitian coupling. Scientific Reports, 2020, 10, 1113.	3.3	17
11	Dual-gate transistor amplifier in a multimode optomechanical system. Optics Express, 2020, 28, 7095.	3.4	8
12	Light splitting and stopping and their combination via controllable Bloch oscillation in a lattice. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2045.	2.1	3
13	Nonreciprocal transmission and asymmetric fastâ€“slow light effect in an optomechanical system with two $mathcal{PT}$-symmetric mechanical resonators. Laser Physics, 2020, 30, 105205.	1.2	2
14	Tunable photonic band gaps and optical nonreciprocity by an RF-driving ladder-type system in moving optical lattice. Optics Communications, 2018, 410, 916-922.	2.1	2
15	Dynamic generation and coherent control of beating stationary light pulses by a microwave coupling field in five-level cold atoms. Optics Communications, 2018, 412, 49-54.	2.1	1
16	Multiple PT symmetry and tunable scattering behaviors in a heterojunction cavity. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2075.	2.1	3
17	Enhanced nonlinear characteristics with the assistance of a $$mathscr{PT}$$-symmetric trimer system. Scientific Reports, 2018, 8, 2933.	3.3	11
18	All-optical photon switching, router and amplifier using a passive-active optomechanical system. Europhysics Letters, 2018, 122, 24001.	2.0	12

#	Article	IF	Citations
19	Probe gain via four-wave mixing based on spontaneously generated coherence. Chinese Physics B, 2017, 26, 024204.	1.4	3
20	Excited-state fidelity as a signal for the many-body localization transition in a disordered Ising chain. Scientific Reports, 2017, 7, 577.	3.3	8
21	Inversionless gain via six-wave mixing and the investigation of distributed feedback. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1620-1623.	2.1	0
22	Light reflector, amplifier, and splitter based on gain-assisted photonic band gaps. Physical Review A, 2016, 94, .	2.5	12
23	Fidelity of the diagonal ensemble signals the many-body localization transition. Physical Review E, 2016, 94, 052119.	2.1	12
24	Dynamically induced two-color nonreciprocity in a tripod system of a moving atomic lattice. Physical Review A, 2015, 92, .	2.5	16
25	Electromagnetically induced transparency in a Y system with single Rydberg state. Optics Communications, 2015, 345, 6-12.	2.1	7
26	Tunable high-order photonic band gaps of ultraviolet light in cold atoms. Physical Review A, 2015, 91, .	2.5	13
27	Phase control of stationary light pulses due to a weak microwave coupling. Optics Communications, 2015, 343, 183-187.	2.1	4
28	Tunable slow and fast light in an atom-assisted optomechanical system. Optics Communications, 2015, 338, 569-573.	2.1	49
29	Coherent generation and efficient manipulation of dual-channel robust stationary light pulses in ultracold atoms. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2333.	2.1	5
30	Dynamically controlled two-color photonic band gaps via balanced four-wave mixing in one-dimensional cold atomic lattices. Physical Review A, 2013, 88, .	2.5	13
31	Efficient generation and control of robust stationary light signals in a double-Î› system of cold atoms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 656-661.	2.1	18
32	Coherent generation and dynamic manipulation of double stationary light pulses in a five-level double-tripod system of cold atoms. Physical Review A, 2011, 84, .	2.5	15
33	Steady optical spectra and light propagation dynamics in cold atomic samples with homogeneous or inhomogeneous densities. Optics Express, 2011, 19, 2111.	3.4	12
34	Comparison of steady and transient optical responses between a four-level Tripod system and a three-level Lambda system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1088-1092.	2.1	17
35	Polarization phase gate and three-photon GHZ state using coherently enhanced Kerr nonlinearity. Optics Communications, 2010, 283, 1017-1021.	2.1	5
36	Dynamically induced double photonic bandgaps in the presence of spontaneously generated coherence. Optics Letters, 2010, 35, 709.	3.3	19