

Szu-Cheng Cheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synchronized full vortices as topological spin-Meissner states in spinor exciton-polariton condensates. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 544.	0.9	0
2	Half-skyrmions with higher topological quantum numbers in homogeneous exciton-polariton condensates. <i>Physical Review E</i> , 2021, 104, 054216.	0.8	0
3	Topological spin-Meissner states in nonequilibrium polariton condensates. <i>Physical Review B</i> , 2020, 101, .	1.1	2
4	Polariton solitons and nonlinear localized states in a one-dimensional semiconductor microcavity. <i>Physical Review E</i> , 2018, 97, 012218.	0.8	2
5	Dark gap solitons in exciton-polariton condensates in a periodic potential. <i>Physical Review E</i> , 2018, 97, 032212.	0.8	10
6	Surface gap solitons in exciton polariton condensates. <i>Physical Review E</i> , 2018, 98, .	0.8	6
7	Nonequilibrium and nonlinear defect states in microcavity-polariton condensates. <i>Physical Review E</i> , 2016, 93, 052214.	0.8	2
8	Physical Realization of von Neumann Lattices in Rotating Bose Gases with Dipole Interatomic Interactions. <i>Scientific Reports</i> , 2016, 6, 31801.	1.6	2
9	The synchronization and stability of spinor polariton condensates. <i>Superlattices and Microstructures</i> , 2016, 92, 190-197.	1.4	3
10	Phase diagram of microcavity polariton condensates with a harmonic potential trap. <i>Solid State Communications</i> , 2014, 178, 23-27.	0.9	8
11	Collective excitations, Nambu-Goldstone modes, and instability of inhomogeneous polariton condensates. <i>Physical Review B</i> , 2013, 88, .	1.1	15
12	Roton instabilities and correlated Wigner crystals of rotating dipolar fermions in the fractional quantum Hall regime. <i>Physical Review A</i> , 2013, 88, .	1.0	5
13	Dynamics of the Energy Relaxation and Decoherence of a Photon-Atom Bound State in an Anisotropic Photonic Crystal. <i>Advances in Condensed Matter Physics</i> , 2013, 2013, 1-9.	0.4	0
14	Calculation of spontaneous emission from a V-type three-level atom in photonic crystals using fractional calculus. <i>Physical Review A</i> , 2011, 84, .	1.0	7
15	Spontaneous emission dynamics in an omnidirectional waveguide made of photonic crystals. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 225301.	0.7	3
16	Spontaneous emission from a two-level atom in anisotropic one-band photonic crystals: A fractional calculus approach. <i>Physical Review A</i> , 2010, 81, .	1.0	32
17	Spontaneous emission of a three-level atom in a coherent photonic band gap reservoir. , 2009, , .		0
18	Effect of atomic position on the spontaneous emission of a three-level atom in a coherent photonic-band-gap reservoir. <i>Physical Review A</i> , 2009, 79, .	1.0	41

#	ARTICLE	IF	CITATIONS
19	Spontaneous emission near the band edge of a three-dimensional photonic crystal: a fractional calculus approach. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 015503.	0.7	12
20	Anomalous coupling between photonic crystal waveguides. , 0, , .		0