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List of Publications by Year
in descending order

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36 papers	827 citations	777949 13 h-index	721071 23 g-index
36 all docs	36 docs citations	36 times ranked	797 citing authors

#	Article	IF	Citations
1	Efficient Entanglement Transfer Between Light and Cold-atom Quantum Memories. , 2021, , .		0
2	Highly-efficient entanglement storage of light in cold-atom quantum memories. , 2021, , .		0
3	Quantum interface between light and a one-dimensional atomic system. Physical Review A, 2020, 101, .	1.0	5
4	Efficient reversible entanglement transfer between light and quantum memories. Optica, 2020, 7, 1440.	4.8	45
5	Extremely subradiant states in a periodic one-dimensional atomic array. Physical Review A, 2019, 100, .	1.0	41
6	Waveguide-coupled single collective excitation of atomic arrays. Nature, 2019, 566, 359-362.	13.7	123
7	Quantum optics of cold atomic ensembles trapped in evanescent fields. , 2019, , .		0
8	Light scattering from an atomic array trapped near a one-dimensional nanoscale waveguide: A microscopic approach. Physical Review A, 2018, 97, .	1.0	16
9	Highly-efficient quantum memory for polarization qubits in a spatially-multiplexed cold atomic ensemble. Nature Communications, 2018, 9, 363.	5.8	109
10	Design for a Nanoscale Single-Photon Spin Splitter for Modes with Orbital Angular Momentum. Physical Review Letters, 2018, 121, 053901.	2.9	7
11	Light interaction and quantum transport in atomic chain chirally coupled to a waveguide. , 2017, , .		0
12	Large Bragg reflection from 1D chains of trapped atoms near an optical nanofiber. , 2017, , .		0
13	High-efficiency quantum memory for photonic polarization qubits in a spatially-multiplexed dense cold atomic ensemble. , 2017, , .		1
14	Storage and Controlled Transport of Single-Photon Pulses. , 2017, , .		0
15	Collective polaritonic modes in an array of two-level quantum emitters coupled to an optical nanofiber. Physical Review B, 2016, 94, .	1.1	36
16	Large Bragg Reflection from One-Dimensional Chains of Trapped Atoms Near a Nanoscale Waveguide. Physical Review Letters, 2016, 117, 133603.	2.9	151
17	Second-order correlations in an exciton-polariton Rabi oscillator. Physical Review B, 2016, 93, .	1.1	2
18	Datta-and-Das spin transistor controlled by a high-frequency electromagnetic field. Physical Review B, 2016, 93, .	1.1	18

#	Article	IF	Citations
19	Quantum statistics of bosonic cascades. New Journal of Physics, 2016, 18, 023041.	1.2	10
20	Exciton-photon correlations in bosonic condensates of exciton-polaritons. Scientific Reports, 2015, 5, 12020.	1.6	8
21	Nanofiber-Mediated Interaction of Light with Cold Atoms. EPJ Web of Conferences, 2015, 103, 06008.	0.1	0
22	Coherent control of light transport in a dense and disordered atomic ensemble. Physical Review A, 2015, 91, .	1.0	8
23	Light scattering on theF= 1 â†'Fâ€² = 0 transition in a cold and high density⁸⁷Rb vapor. Journal of Modern Optics, 2014, 61, 77-84.	0.6	8
24	Reversible optical memory for twisted photons. Optics Letters, 2013, 38, 712.	1.7	56
25	Experimental investigation of the transition between Autler-Townes splitting and electromagnetically-induced-transparency models. Physical Review A, 2013, 87, .	1.0	82
26	Experimental investigation of the transition between Autler-Townes splitting and electromagnetically-induced transparency models. , 2013, , .		0
27	A reversible optical memory for twisted photons. , 2013, , .		0
28	A Reversible Optical Memory for Twisted Photons. , 2013, , .		1
29	Cooperative light scattering on an atomic system with degenerate structure of the ground state. Physical Review A, 2012, 86, .	1.0	14
30	TOWARDS A MULTIMODE QUANTUM MEMORY FOR SINGLE PHOTONS. International Journal of Quantum Information, 2012, 10, 1241011.	0.6	0
31	Quantum information storage in atomic media. , 2012, , .		0
32	Enhancement of electromagnetically induced transparency in room temperature alkali metal vapor. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 583-588.	0.2	2
33	Electromagnetically induced transparency in an inhomogeneously broadened<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î›</mml:mi></mml:mrow></mml:math>transition with multiple excited levels. Physical Review A, 2011, 83, .	1.0	44
34	Quantum memory for light via a stimulated off-resonant Raman process: Beyond the three-level<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Λ</mml:mi></mml:mrow></mml:math>-scheme approximation. Physical Review A, 2010, 82, .	1.0	24
35	Autlerâ€"Townes effect in hyperfine structure of alkali-atom D 1 line. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /O	0.2	8
36	Stimulated Raman process in a scattering medium applied to the quantum memory scheme. Physical Review A, 2008, 78, .	1.0	8