

Karolina SÅ,owik

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

488
citations

933264

10
h-index

677027

22
g-index

32
all docs

32
docs citations

32
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully integrated quantum photonic circuit with an electrically driven light source. Nature Photonics, 2016, 10, 727-732.	15.6	190
2	Strong coupling of optical nanoantennas and atomic systems. Physical Review B, 2013, 88, .	1.1	60
3	Dissipation-driven entanglement between qubits mediated by plasmonic nanoantennas. Physical Review B, 2014, 89, .	1.1	38
4	Nanoantennas for ultrabright single photon sources. Optics Letters, 2014, 39, 1246.	1.7	26
5	Quantum Optical Realization of Arbitrary Linear Transformations Allowing for Loss and Gain. Physical Review X, 2018, 8, .	2.8	24
6	Plasmonic nanoantenna based triggered single-photon source. Physical Review B, 2016, 93, .	1.1	19
7	Enhancement of and interference among higher order multipole transitions in molecules near a plasmonic nanoantenna. Nature Communications, 2019, 10, 5775.	5.8	19
8	Light storage in a tripod medium as a basis for logical operations. Optics Communications, 2012, 285, 2392-2396.	1.0	14
9	Ultraslow long-living plasmons with electromagnetically induced transparency. Optics Letters, 2018, 43, 490.	1.7	12
10	Energy-Based Plasmonicity Index to Characterize Optical Resonances in Nanostructures. Journal of Physical Chemistry C, 2020, 124, 24331-24343.	1.5	12
11	Entangled light from bimodal optical nanoantennas. Physical Review B, 2017, 95, .	1.1	9
12	Controlling statistical properties of stored light. Optics Communications, 2007, 279, 324-329.	1.0	8
13	Interaction of atomic systems with quantum vacuum beyond electric dipole approximation. Scientific Reports, 2020, 10, 5879.	1.6	8
14	From single-particle-like to interaction-mediated plasmonic resonances in graphene nanoantennas. Journal of Applied Physics, 2021, 129, 093103.	1.1	7
15	Beyond the Rabi model: Light interactions with polar atomic systems in a cavity. Physical Review A, 2021, 104, .	1.0	7
16	Light interaction with extended quantum systems in dispersive media. New Journal of Physics, 2020, 22, 123047.	1.2	5
17	Revising quantum optical phenomena in adatoms coupled to graphene nanoantennas. Nanophotonics, 2022, 11, 3281-3298.	2.9	5
18	Propagation of optically tunable coherent radiation in a gas of polar molecules. Scientific Reports, 2020, 10, 17615.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Waveguide platform for quantum anticyclotronic force. Optics Letters, 2020, 45, 3373.	1.7	4
20	Efficient mode conversion in an optical nanoantenna mediated by quantum emitters. Optics Letters, 2016, 41, 2294.	1.7	3
21	Quantum description of radiative decay in optical cavities. Physical Review A, 2018, 97, .	1.0	3
22	Tunable narrowband plasmonic resonances in electromagnetically induced transparency media. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1981.	0.9	3
23	Modification of the optical properties of molecular chains upon coupling to adatoms. Physical Review B, 2021, 104, .	1.1	3
24	Cross-phase modulation and population redistribution in a periodic tripod medium. Journal of Modern Optics, 2011, 58, 978-987.	0.6	2
25	Cross-Kerr nonlinearities in an optically dressed periodic medium. Physica Scripta, 2011, T143, 014022.	1.2	2
26	Interaction and Entanglement of a Pair of Quantum Emitters near a Nanoparticle: Analysis beyond Electric-Dipole Approximation. Entropy, 2020, 22, 135.	1.1	1
27	Cross phase modulation in photonic crystals. Proceedings of SPIE, 2011, , .	0.8	0
28	Coupling of quantum emitters and metallic nanoantennae for the generation of nonclassical light at high rates. Physica Scripta, 2014, T160, 014037.	1.2	0
29	Antennas for photons: light-matter coupling at nanoscale. , 2018, , .		0
30	Nanostructured Control of Interactions of Quantum Emitters Beyond Electric Dipole Approximation. , 2019, , .		0
31	Nanoparticles to enhance molecular circular dichroism. , 2018, , .		0