

# Karolina SÅ,owik

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

488  
citations

933447

10  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revising quantum optical phenomena in adatoms coupled to graphene nanoantennas. <i>Nanophotonics</i> , 2022, 11, 3281-3298.	6.0	5
2	From single-particle-like to interaction-mediated plasmonic resonances in graphene nanoantennas. <i>Journal of Applied Physics</i> , 2021, 129, 093103.	2.5	7
3	Beyond the Rabi model: Light interactions with polar atomic systems in a cavity. <i>Physical Review A</i> , 2021, 104, .	2.5	7
4	Modification of the optical properties of molecular chains upon coupling to adatoms. <i>Physical Review B</i> , 2021, 104, .	3.2	3
5	Energy-Based Plasmonicity Index to Characterize Optical Resonances in Nanostructures. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24331-24343.	3.1	12
6	Propagation of optically tunable coherent radiation in a gas of polar molecules. <i>Scientific Reports</i> , 2020, 10, 17615.	3.3	4
7	Interaction of atomic systems with quantum vacuum beyond electric dipole approximation. <i>Scientific Reports</i> , 2020, 10, 5879.	3.3	8
8	Light interaction with extended quantum systems in dispersive media. <i>New Journal of Physics</i> , 2020, 22, 123047.	2.9	5
9	Waveguide platform for quantum anticentrifugal force. <i>Optics Letters</i> , 2020, 45, 3373.	3.3	4
10	Interaction and Entanglement of a Pair of Quantum Emitters near a Nanoparticle: Analysis beyond Electric-Dipole Approximation. <i>Entropy</i> , 2020, 22, 135.	2.2	1
11	Nanostructured Control of Interactions of Quantum Emitters Beyond Electric Dipole Approximation. , 2019, , .		0
12	Enhancement of and interference among higher order multipole transitions in molecules near a plasmonic nanoantenna. <i>Nature Communications</i> , 2019, 10, 5775.	12.8	19
13	Quantum Optical Realization of Arbitrary Linear Transformations Allowing for Loss and Gain. <i>Physical Review X</i> , 2018, 8, .	8.9	24
14	Quantum description of radiative decay in optical cavities. <i>Physical Review A</i> , 2018, 97, .	2.5	3
15	Antennas for photons: light-matter coupling at nanoscale. , 2018, , .		0
16	Ultraslow long-living plasmons with electromagnetically induced transparency. <i>Optics Letters</i> , 2018, 43, 490.	3.3	12
17	Nanoparticles to enhance molecular circular dichroism. , 2018, , .		0
18	Entangled light from bimodal optical nanoantennas. <i>Physical Review B</i> , 2017, 95, .	3.2	9

#	ARTICLE	IF	CITATIONS
19	Tunable narrowband plasmonic resonances in electromagnetically induced transparency media. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1981.	2.1	3
20	Efficient mode conversion in an optical nanoantenna mediated by quantum emitters. Optics Letters, 2016, 41, 2294.	3.3	3
21	Fully integrated quantum photonic circuit with an electrically driven light source. Nature Photonics, 2016, 10, 727-732.	31.4	190
22	Plasmonic nanoantenna based triggered single-photon source. Physical Review B, 2016, 93, .	3.2	19
23	Coupling of quantum emitters and metallic nanoantennae for the generation of nonclassical light at high rates. Physica Scripta, 2014, T160, 014037.	2.5	0
24	Dissipation-driven entanglement between qubits mediated by plasmonic nanoantennas. Physical Review B, 2014, 89, .	3.2	38
25	Nanoantennas for ultrabright single photon sources. Optics Letters, 2014, 39, 1246.	3.3	26
26	Strong coupling of optical nanoantennas and atomic systems. Physical Review B, 2013, 88, .	3.2	60
27	Light storage in a tripod medium as a basis for logical operations. Optics Communications, 2012, 285, 2392-2396.	2.1	14
28	Cross-phase modulation and population redistribution in a periodic tripod medium. Journal of Modern Optics, 2011, 58, 978-987.	1.3	2
29	Cross phase modulation in photonic crystals. Proceedings of SPIE, 2011, , .	0.8	0
30	Cross-Kerr nonlinearities in an optically dressed periodic medium. Physica Scripta, 2011, T143, 014022.	2.5	2
31	Controlling statistical properties of stored light. Optics Communications, 2007, 279, 324-329.	2.1	8