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Cavity quantum electrodynamics in application to plasmonics and metamaterials

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#	Paper	IF	Citations
39	Determining the internal quantum efficiency of shallow-implanted nitrogen-vacancy defects in bulk diamond. <i>Optics Express</i> , 2016 , 24, 27715-27725	3.3	19
38	Modifying magnetic dipole spontaneous emission with nanophotonic structures. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600268	8.3	73
37	Spontaneous emission in non-local materials. <i>Light: Science and Applications</i> , 2017 , 6, e16273	16.7	61
36	Granular Permittivity Representation in Extremely Near-Field Light-Matter Interaction Processes. <i>ACS Photonics</i> , 2017 , 4, 2137-2143	6.3	1
35	Antibunching dynamics of plasmonically mediated entanglement generation. <i>Physical Review A</i> , 2017 , 96,	2.6	9
34	Hybrid Plasmonic Cavity Modes in Arrays of Gold Nanotubes. <i>Advanced Optical Materials</i> , 2017 , 5, 1600731	3.1	11
33	Quantum formulation for nanoscale optical and material chirality: symmetry issues, space and time parity, and observables. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 033003	1.7	35
32	Enhanced terahertz magnetic dipole response by subwavelength fiber. <i>APL Photonics</i> , 2018 , 3, 051701	5.2	4
31	Quantum description of radiative decay in optical cavities. <i>Physical Review A</i> , 2018 , 97,	2.6	1
30	Quantum plasmonics with multi-emitters: application to stimulated Raman adiabatic passage. <i>European Physical Journal D</i> , 2018 , 72, 1	1.3	9
29	Quantum Sensing of Motion in Colloids via Time-Dependent Purcell Effect. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800042	8.3	4
28	Hybrid Quantum System with Nitrogen-Vacancy Centers in Diamond Coupled to Surface-Phonon Polaritons in Piezomagnetic Superlattices. <i>Physical Review Applied</i> , 2018 , 10,	4.3	23
27	Quantum electrodynamics of optical metasurfaces. 2018 ,		1
26	Decay Dynamics of Localized Surface Plasmons: Damping of Coherences and Populations of the Oscillatory Plasmon Modes. <i>Plasmonics</i> , 2019 , 14, 1629-1637	2.4	8
25	Dual-band unidirectional reflectionlessness in non-Hermitian quantum system consisting of a gain and a loss plasmonic cavities. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	4
24	Ultrasmall Mode Volume Hyperbolic Nanocavities for Enhanced Light-Matter Interaction at the Nanoscale. <i>ACS Nano</i> , 2019 , 13, 11770-11780	16.7	18
23	Optical cooling of lead halide perovskite nanoparticles enhanced by Mie resonances. <i>Nanoscale</i> , 2019 , 11, 17800-17806	7.7	8

22	The strange attraction phenomenon in cQED: The intermediate quantum coupling regime. <i>Optik</i> , 2019 , 183, 389-394	2.5	2
21	Silver Nanodiscs for Enhanced Fluorescence Emission. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29811-29817	3.8	9
20	Topological Phases of Polaritons in a Cavity Waveguide. <i>Physical Review Letters</i> , 2019 , 123, 217401	7.4	20
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17	Design and simulation of a germanium multiple quantum well metal strip nanocavity plasmon laser. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1	2.4	1
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15	Cavity quantum electro-dynamics with solid-state emitters in aperiodic nano-photonic spiral devices. <i>Applied Physics Letters</i> , 2020 , 117, 124006	3.4	5
14	Nanoscale Plasmon Sources: Physical Principles and Novel Structures. 2020 ,		
13	Diffusion-inspired time-varying phosphorescent decay in a nanostructured environment. <i>Physical Review B</i> , 2020 , 101,	3.3	2
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