

Charles R Cherqui

List of Publications by Year in descending order

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27
papers

803
citations

516710

16
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical microresonators as single-particle absorption spectrometers. <i>Nature Photonics</i> , 2016, 10, 788-795.	31.4	143
2	Plasmonic Surface Lattice Resonances: Theory and Computation. <i>Accounts of Chemical Research</i> , 2019, 52, 2548-2558.	15.6	119
3	Spatially Mapping Energy Transfer from Single Plasmonic Particles to Semiconductor Substrates via STEM/EELS. <i>Nano Letters</i> , 2015, 15, 3465-3471.	9.1	77
4	Characterizing Localized Surface Plasmons Using Electron Energy-Loss Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2016, 67, 331-357.	10.8	55
5	Hierarchical Hybridization in Plasmonic Honeycomb Lattices. <i>Nano Letters</i> , 2019, 19, 6435-6441.	9.1	47
6	Room Temperature Weak-to-Strong Coupling and the Emergence of Collective Emission from Quantum Dots Coupled to Plasmonic Arrays. <i>ACS Nano</i> , 2020, 14, 7347-7357.	14.6	47
7	Electron Energy Loss Spectroscopy Study of the Full Plasmonic Spectrum of Self-Assembled Au@Ag Alloy Nanoparticles: Unraveling Size, Composition, and Substrate Effects. <i>ACS Photonics</i> , 2016, 3, 130-138.	6.6	32
8	Tip-Enhanced Raman Excitation Spectroscopy (TERES): Direct Spectral Characterization of the Gap-Mode Plasmon. <i>Nano Letters</i> , 2019, 19, 7309-7316.	9.1	31
9	Examining Substrate-Induced Plasmon Mode Splitting and Localization in Truncated Silver Nanospheres with Electron Energy Loss Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2569-2576.	4.6	29
10	Imaging Plasmon Hybridization in Metal Nanoparticle Aggregates with Electron Energy-Loss Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20852-20859.	3.1	25
11	STEM/EELS Imaging of Magnetic Hybridization in Symmetric and Symmetry-Broken Plasmon Oligomer Dimers and All-Magnetic Fano Interference. <i>Nano Letters</i> , 2016, 16, 6668-6676.	9.1	24
12	Strong Coupling Between Plasmons and Molecular Excitons in Metal-Organic Frameworks. <i>Nano Letters</i> , 2021, 21, 7775-7780.	9.1	21
13	Combined Tight-Binding and Numerical Electrodynamics Understanding of the STEM/EELS Magneto-optical Responses of Aromatic Plasmon-Supporting Metal Oligomers. <i>ACS Photonics</i> , 2014, 1, 1013-1024.	6.6	20
14	Quantum Beats from Entangled Localized Surface Plasmons. <i>ACS Photonics</i> , 2015, 2, 157-164.	6.6	19
15	Multipolar Nanocube Plasmon Mode-Mixing in Finite Substrates. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 504-512.	4.6	19
16	Polariton Dynamics in Two-Dimensional Ruddlesden-Popper Perovskites Strongly Coupled with Plasmonic Lattices. <i>ACS Nano</i> , 2022, 16, 3917-3925.	14.6	17
17	Active Plasmonics and Active Chiral Plasmonics through Orientation-Dependent Multipolar Interactions. <i>ACS Nano</i> , 2020, 14, 11518-11532.	14.6	15
18	Tunable Spectral Ordering of Magnetic Plasmon Resonances in Noble Metal Nanoclusters. <i>ACS Photonics</i> , 2018, 5, 3272-3281.	6.6	13

#	ARTICLE	IF	CITATIONS
19	Plasmonic Landau damping in active environments. <i>Physical Review B</i> , 2018, 97, .	3.2	11
20	Lattice Kerker Effect with Plasmonic Oligomers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18817-18826.	3.1	7
21	Shape invariance and the exactness of the quantum Hamiltonâ€™Jacobi formalism. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 1406-1415.	2.1	6
22	Noninvasive Cathodoluminescence-Activated Nanoimaging of Dynamic Processes in Liquids. <i>ACS Nano</i> , 2017, 11, 10583-10590.	14.6	6
23	Multimetallic Nanoparticles on Mirrors for SERS Detection. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12784-12791.	3.1	6
24	Mechanism of Long-Range Energy Transfer from Quantum Dots to Black Phosphorus. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15458-15464.	3.1	6
25	Effect of Localized Surface-Plasmon Mode on Exciton Transport and Radiation Emission in Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8070-8080.	2.6	5
26	Revealing the Three-Dimensional Orientation and Interplay between Plasmons and Interband Transitions for Single Gold Bipyramids by Photoluminescence Excitation Pattern Imaging. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26978-26985.	3.1	3
27	Nanosopic imaging of energy transfer from single plasmonic particles to semiconductor substrates via STEM/EELS. <i>Microscopy and Microanalysis</i> , 2015, 21, 1909-1910.	0.4	0