Zhongwei Hu

List of Publications by Year
in descending order

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Version: 2024-02-01

17 papers	329 citations	687363 13 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	517 citing authors

#	Article	IF	Citations
1	Surface-enhanced hyper-Raman scattering of Rhodamine 6G isotopologues: Assignment of lower vibrational frequencies. Journal of Chemical Physics, 2021, 154, 034703.	3.0	2
2	Near field excited state imaging via stimulated electron energy gain spectroscopy of localized surface plasmon resonances in plasmonic nanorod antennas. Scientific Reports, 2020, 10, 12537.	3.3	7
3	Infrared plasmonics: STEM-EELS characterization of Fabry-PÃ©rot resonance damping in gold nanowires. Physical Review B, 2020, 101, .	3.2	18
4	Active Far-Field Control of the Thermal Near-Field via Plasmon Hybridization. ACS Nano, 2019, 13, 9655-9663.	14.6	23
5	Focused Electron Beam Induced Deposition Synthesis of 3D Photonic and Magnetic Nanoresonators. ACS Applied Nano Materials, 2019, 2, 8075-8082.	5.0	14
6	Continuous Wave Resonant Photon Stimulated Electron Energy-Gain and Electron Energy-Loss Spectroscopy of Individual Plasmonic Nanoparticles. ACS Photonics, 2019, 6, 2499-2508.	6.6	25
7	High-resolution tip-enhanced Raman scattering probes sub-molecular density changes. Nature Communications, 2019, 10, 2567.	12.8	51
8	Plasmon Heating Promotes Ligand Reorganization on Single Gold Nanorods. Journal of Physical Chemistry Letters, 2019, 10, 1394-1401.	4.6	18
9	Non-Condon Effects in the Resonance Hyper-Raman Scattering of Chalcogen-Substituted Rhodamine Derivatives. Journal of Physical Chemistry C, 2018, 122, 25051-25058.	3.1	2
10	A Discrete Interaction Model/Quantum Mechanical Method for Simulating Plasmon-Enhanced Two-Photon Absorption. Journal of Chemical Theory and Computation, 2018, 14, 5896-5903.	5.3	9
11	Surface-Enhanced Resonance Hyper-Raman Scattering Elucidates the Molecular Orientation of Rhodamine 6G on Silver Colloids. Journal of Physical Chemistry Letters, 2017, 8, 1819-1823.	4.6	30
12	Importance of double-resonance effects in two-photon absorption properties of Au₂₅(SR)₁₈^{â°}. Chemical Science, 2017, 8, 4595-4601.	7.4	14
13	Theory of Linear and Nonlinear Surface-Enhanced Vibrational Spectroscopies. Annual Review of Physical Chemistry, 2016, 67, 541-564.	10.8	44
14	Simulating Surface-Enhanced Hyper-Raman Scattering Using Atomistic Electrodynamics-Quantum Mechanical Models. Journal of Chemical Theory and Computation, 2016, 12, 5968-5978.	5.3	19
15	Probing Two-Photon Molecular Properties with Surface-Enhanced Hyper-Raman Scattering: A Combined Experimental and Theoretical Study of Crystal Violet. Journal of Physical Chemistry C, 2016, 120, 20936-20942.	3.1	13
16	Simulating Third-Order Nonlinear Optical Properties Using Damped Cubic Response Theory within Time-Dependent Density Functional Theory. Journal of Chemical Theory and Computation, 2016, 12, 1294-1304.	5.3	19
17	Simulation of resonance hyper-Rayleigh scattering of molecules and metal clusters using a time-dependent density functional theory approach. Journal of Chemical Physics, 2014, 141, 124305.	3.0	21