

Yu Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

1,385
citations

10
h-index

15
g-index

15
ext. papers

1,530
ext. citations

9.1
avg, IF

4.34
L-index

#	Paper	IF	Citations
15	Atomistic Simulations of Plasmon Mediated Photochemistry. <i>ACS Symposium Series</i> , 2019 , 239-256	0.4	
14	Layer dependence of the photoelectrochemical performance of a WSe photocathode characterized using microscale measurements.. <i>RSC Advances</i> , 2019 , 9, 30925-30931	3.7	2
13	Plasmonic Hot-Carrier-Mediated Tunable Photochemical Reactions. <i>ACS Nano</i> , 2018 , 12, 8415-8422	16.7	50
12	Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. <i>Nano Letters</i> , 2017 , 17, 5768-5774	11.5	131
11	Toward Surface Plasmon-Enhanced Optical Parametric Amplification (SPOPA) with Engineered Nanoparticles: A Nanoscale Tunable Infrared Source. <i>Nano Letters</i> , 2016 , 16, 3373-8	11.5	35
10	Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances. <i>ACS Nano</i> , 2015 , 9, 6428-35	16.7	96
9	Hot-electron-induced dissociation of H ₂ on gold nanoparticles supported on SiO ₂ . <i>Journal of the American Chemical Society</i> , 2014 , 136, 64-7	16.4	375
8	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. <i>Nature Communications</i> , 2014 , 5, 4424	17.4	201
7	Coherent Fano resonances in a plasmonic nanocluster enhance optical four-wave mixing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9215-9	11.5	180
6	Orientation-preserving transfer and directional light scattering from individual light-bending nanoparticles. <i>Nano Letters</i> , 2011 , 11, 1838-44	11.5	51
5	Three-dimensional nanostructures as highly efficient generators of second harmonic light. <i>Nano Letters</i> , 2011 , 11, 5519-23	11.5	246
4	Drift kink instability in the current sheet with a kappa-distribution. <i>Physics of Plasmas</i> , 2008 , 15, 082114	2.1	
3	Numerical study of dust-ion-acoustic solitary waves in an inhomogeneous plasma. <i>Planetary and Space Science</i> , 2008 , 56, 510-518	2	8
2	Characteristics of dust-ion-acoustic shock in inhomogeneous plasma by WENO scheme simulation. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 7412-7418	3	
1	Excitation temperatures of atmospheric argon in dielectric barrier discharges. <i>Plasma Sources Science and Technology</i> , 2007 , 16, 441-447	3.5	10