

# Yu Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/351338/publications.pdf>

Version: 2024-02-01

15  
papers

1,680  
citations

933264

10  
h-index

1058333

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

3075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot-Electron-Induced Dissociation of H <sub>2</sub> on Gold Nanoparticles Supported on SiO <sub>2</sub> . Journal of the American Chemical Society, 2014, 136, 64-67.	6.6	458
2	Three-Dimensional Nanostructures as Highly Efficient Generators of Second Harmonic Light. Nano Letters, 2011, 11, 5519-5523.	4.5	273
3	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. Nature Communications, 2014, 5, 4424.	5.8	252
4	Coherent Fano resonances in a plasmonic nanocluster enhance optical four-wave mixing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9215-9219.	3.3	190
5	Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. Nano Letters, 2017, 17, 5768-5774.	4.5	187
6	Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances. ACS Nano, 2015, 9, 6428-6435.	7.3	115
7	Plasmonic Hot-Carrier-Mediated Tunable Photochemical Reactions. ACS Nano, 2018, 12, 8415-8422.	7.3	75
8	Orientation-Preserving Transfer and Directional Light Scattering from Individual Light-Bending Nanoparticles. Nano Letters, 2011, 11, 1838-1844.	4.5	53
9	Toward Surface Plasmon-Enhanced Optical Parametric Amplification (SPOPA) with Engineered Nanoparticles: A Nanoscale Tunable Infrared Source. Nano Letters, 2016, 16, 3373-3378.	4.5	50
10	Excitation temperatures of atmospheric argon in dielectric barrier discharges. Plasma Sources Science and Technology, 2007, 16, 441-447.	1.3	13
11	Numerical study of dust-ion-acoustic solitary waves in an inhomogeneous plasma. Planetary and Space Science, 2008, 56, 510-518.	0.9	8
12	Layer dependence of the photoelectrochemical performance of a WSe <sub>2</sub> photocathode characterized using <i>in situ</i> microscale measurements. RSC Advances, 2019, 9, 30925-30931.	1.7	3
13	Atomistic Simulations of Plasmon Mediated Photochemistry. ACS Symposium Series, 2019, , 239-256.	0.5	2
14	Drift kink instability in the current sheet with a kappa-distribution. Physics of Plasmas, 2008, 15, 082114.	0.7	1
15	Characteristics of dust-ion-acoustic shock in inhomogeneous plasma by WENO scheme simulation. Journal Physics D: Applied Physics, 2007, 40, 7412-7418.	1.3	0