

# Qingfeng Zhang

## List of Publications by Year in descending order

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27  
papers

2,052  
citations

346980

22  
h-index

591227

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27  
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docs citations

27  
times ranked

3861  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot-Hole-Induced Molecular Scissoring: A Case Study of Plasmon-Driven Decarboxylation of Aromatic Carboxylates. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20958-20971.	1.5	12
2	Nanophotonic Approaches for Chirality Sensing. <i>ACS Nano</i> , 2021, 15, 15538-15566.	7.3	111
3	Quantitative Analysis of Nanorod Aggregation and Morphology from Scanning Electron Micrographs Using SEMseg. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5262-5270.	1.1	13
4	Nanoscale Surface-Induced Unfolding of Single Fibronectin Is Restricted by Serum Albumin Crowding. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1170-1177.	2.1	8
5	Controlled Overgrowth of Five-Fold Concave Nanoparticles into Plasmonic Nanostars and Their Single-Particle Scattering Properties. <i>ACS Nano</i> , 2019, 13, 10113-10128.	7.3	42
6	Gold Nanotetrapods with Unique Topological Structure and Ultranarrow Plasmonic Band as Multifunctional Therapeutic Agents. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4505-4510.	2.1	30
7	Unraveling the origin of chirality from plasmonic nanoparticle-protein complexes. <i>Science</i> , 2019, 365, 1475-1478.	6.0	210
8	Photothermal Effect, Local Field Dependence, and Charge Carrier Relaying Species in Plasmon-Driven Photocatalysis: A Case Study of Aerobic Nitrothiophenol Coupling Reaction. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26695-26704.	1.5	30
9	PSF Distortion in Dye-Plasmonic Nanomaterial Interactions: Friend or Foe?. <i>ACS Photonics</i> , 2019, 6, 699-708.	3.2	14
10	Mechanistic Insights on Plasmon-Driven Photocatalytic Oxidative Coupling of Thiophenol Derivatives: Evidence for Steady-State Photoactivated Oxygen. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5686-5697.	1.5	37
11	Multifaceted Gold-Palladium Bimetallic Nanorods and Their Geometric, Compositional, and Catalytic Tunabilities. <i>ACS Nano</i> , 2017, 11, 3213-3228.	7.3	60
12	Nanoscale Surface Curvature Effects on Ligand-Nanoparticle Interactions: A Plasmon-Enhanced Spectroscopic Study of Thiolated Ligand Adsorption, Desorption, and Exchange on Gold Nanoparticles. <i>Nano Letters</i> , 2017, 17, 4443-4452.	4.5	81
13	Controlled Dealloying of Alloy Nanoparticles toward Optimization of Electrocatalysis on Spongy Metallic Nanoframes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23920-23931.	4.0	39
14	Facet Control of Gold Nanorods. <i>ACS Nano</i> , 2016, 10, 2960-2974.	7.3	131
15	Intertwining Roles of Silver Ions, Surfactants, and Reducing Agents in Gold Nanorod Overgrowth: Pathway Switch between Silver Underpotential Deposition and Gold-Silver Codeposition. <i>Chemistry of Materials</i> , 2016, 28, 2728-2741.	3.2	55
16	Faceted Gold Nanorods: Nanocuboids, Convex Nanocuboids, and Concave Nanocuboids. <i>Nano Letters</i> , 2015, 15, 4161-4169.	4.5	111
17	Porous Au Nanoparticles with Tunable Plasmon Resonances and Intense Field Enhancements for Single-Particle SERS. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 370-374.	2.1	166
18	Epitaxial Growth of Cu <sub>2</sub> O on Ag Allows for Fine Control Over Particle Geometries and Optical Properties of Ag-Cu <sub>2</sub> O Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19948-19963.	1.5	67

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19	Nanoporosity-Enhanced Catalysis on Subwavelength Au Nanoparticles: a Plasmon-Enhanced Spectroscopic Study. <i>Chemistry of Materials</i> , 2014, 26, 5131-5142.	3.2	61
20	Facet-Dependent Catalytic Activities of Au Nanoparticles Enclosed by High-Index Facets. <i>ACS Catalysis</i> , 2014, 4, 4027-4033.	5.5	130
21	Robust Nonenzymatic Hybrid Nanoelectrocatalysts for Signal Amplification toward Ultrasensitive Electrochemical Cytosensing. <i>Journal of the American Chemical Society</i> , 2014, 136, 2288-2291.	6.6	196
22	Gold Nanoparticles with Tipped Surface Structures as Substrates for Single-Particle Surface-Enhanced Raman Spectroscopy: Concave Nanocubes, Nanotrisoctahedra, and Nanostars. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17255-17267.	4.0	134
23	Tunable Plasmonic Nanoparticles with Catalytically Active High-Index Facets. <i>Nano Letters</i> , 2014, 14, 3674-3682.	4.5	153
24	Multiplex acute leukemia cytosensing using multifunctional hybrid electrochemical nanoprobe at a hierarchically nanoarchitected electrode interface. <i>Nanoscale</i> , 2013, 5, 10360.	2.8	50
25	Ultrasensitive dual-channel detection of matrix metalloproteinase-2 in human serum using gold-quantum dot core-satellite nanoprobe. <i>Chemical Communications</i> , 2013, 49, 7881.	2.2	26
26	Cu-Au alloy nanotubes with five-fold twinned structure and their application in surface-enhanced Raman scattering. <i>Journal of Materials Chemistry</i> , 2012, 22, 18192.	6.7	62
27	Au-Cu alloy bridged synthesis and optoelectronic properties of Au@CuInSe <sub>2</sub> core-shell hybrid nanostructures. <i>Journal of Materials Chemistry</i> , 2012, 22, 1765-1769.	6.7	23