Xiaolu Zhuo

List of Publications by Citations

31 papers	1,428 citations	16 h-index	34 g-index
34 ext. papers	1,771 ext. citations	12.8 avg, IF	5.23 L-index

#	Paper	IF	Citations
31	Active Plasmonics: Principles, Structures, and Applications. *Chemical Reviews*, **2018**, 118, 3054-3099	68.1	340
30	Production of Monodisperse Gold Nanobipyramids with Number Percentages Approaching 100% and Evaluation of Their Plasmonic Properties. *Advanced Optical Materials*, **2015**, 3, 801-812	8.1	163
29	Advanced Plasmonic Materials for Dynamic Color Display. *Advanced Materials*, **2018**, 30, e1704338	24	122
28	Dielectric nanoresonators for light manipulation. *Physics Reports*, **2017**, 701, 1-50	27.7	108
27	Gold Nanobipyramid-Directed Growth of Length-Variable Silver Nanorods with Multipolar Plasmon Resonances. *ACS Nano*, **2015**, 9, 7523-35	16.7	102
26	Gold Nanobipyramid-Supported Silver Nanostructures with Narrow Plasmon Linewidths and Improved Chemical Stability. *Advanced Functional Materials*, **2016**, 26, 341-352	15.6	87
25	Realization of Red Plasmon Shifts up to ~900 nm by AgPd-Tipping Elongated Au Nanocrystals. *Journal of the American Chemical Society*, **2017**, 139, 13837-13846	16.4	69
24	Gold Nanobipyramids: An Emerging and Versatile Type of Plasmonic Nanoparticles. *Accounts of Chemical Research*, **2019**, 52, 2136-2146	24.3	65
23	Selective Pd Deposition on Au Nanobipyramids and Pd Site-Dependent Plasmonic Photocatalytic Activity. *Advanced Functional Materials*, **2017**, 27, 1700016	15.6	64
22	Circular Gold Nanodisks with Synthetically Tunable Diameters and Thicknesses. *Advanced Functional Materials*, **2018**, 28, 1705516	15.6	36
21	Dopamine-Mediated Assembly of Citrate-Capped Plasmonic Nanoparticles into Stable Core-Shell Nanoworms for Intracellular Applications. *ACS Nano*, **2019**, 13, 5864-5884	16.7	33
20	Gold Nanobipyramid-Enhanced Hydrogen Sensing with Plasmon Red Shifts Reaching 140 nm at 2 vol% Hydrogen Concentration. *Advanced Optical Materials*, **2017**, 5, 1700740	8.1	28
19	Polydopamine-based concentric nanoshells with programmable architectures and plasmonic properties. *Nanoscale*, **2017**, 9, 16968-16980	7.7	27
18	Infrared-Responsive Colloidal Silver Nanorods for Surface-Enhanced Infrared Absorption. *Advanced Optical Materials*, **2018**, 6, 1800436	8.1	25
17	Colloidal Gold Nanorings and Their Plasmon Coupling with Gold Nanospheres. *Small*, **2019**, 15, e1902608	11	24
16	Colour routing with single silver nanorods. *Light: Science and Applications*, **2019**, 8, 39	16.7	18
15	AlPcS-loaded gold nanobipyramids with high two-photon efficiency for photodynamic therapy in vivo. *Nanoscale*, **2019**, 11, 3386-3395	7.7	16

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14	Broadside Nanoantennas Made of Single Silver Nanorods. *ACS Nano*, **2018**, 12, 1720-1731	16.7	15
13	Ab initio determination of local coupling interaction in arbitrary nanostructures: Application to photonic crystal slabs and cavities. *Physical Review B*, **2013**, 87,	3.3	14
12	Shielded Silver Nanorods for Bioapplications. *Chemistry of Materials*, **2020**, 32, 5879-5889	9.6	13
11	Amphiphilic polymeric micelle as pseudostationary phase in electrokinetic chromatography for analysis of eight corticosteroids in cosmetics. *Electrophoresis*, **2014**, 35, 827-35	3.6	10
10	Real-Time Reconstruction of Arbitrary Slices for Quantitative and In Situ 3D Characterization of Nanoparticles. *Particle and Particle Systems Characterization*, **2020**, 37, 2000073	3.1	9
9	Chemically Synthesized Electromagnetic Metal Oxide Nanoresonators. *Advanced Optical Materials*, **2019**, 7, 1900396	8.1	8
8	Effects of crystallographic facet-specific peptide adsorption along single ZnO nanorods on the characteristic fluorescence intensification on nanorod ends (FINE) phenomenon. *Nanoscale*, **2015**, 7, 18813-26	7.7	6
7	Tuning Size and Seed Position in Small Silver Nanorods **2020**, 2, 1246-1250		6
6	Vacuum Rabi splitting in a coupled system of single quantum dot and photonic crystal cavity: effect of local and propagation Green's functions. *Optics Express*, **2013**, 21, 23486-97	3.3	5
5	Electromagnetic Resonance-Modulated Magnetic Emission in Europium-Doped Sub-Micrometer Zirconia Spheres. *Advanced Optical Materials*, **2021**, 9, 2002212	8.1	5
4	Slab thickness tuning approach for solid-state strong coupling between photonic crystal slab nanocavity and a quantum dot. *Nanoscale Research Letters*, **2013**, 8, 187	5	4
3	Electrocatalytic glycerol oxidation enabled by surface plasmon polariton-induced hot carriers in Kretschmann configuration. *Nanoscale*, **2019**, 11, 23234-23240	7.7	2
2	The Influence of Size, Shape, and Twin Boundaries on Heat-Induced Alloying in Individual Au@Ag Core-Shell Nanoparticles. *Small*, **2021**, 17, e2102348	11	1
1	Physicochemical and chromatographic characteristics of random amphiphilic copolymer aggregation in electrokinetic chromatography. *Journal of Chromatography A*, **2014**, 1365, 219-25	4.5	