

Guangchao Zheng

List of Publications by Year in descending order

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34
papers

1,298
citations

430874

18
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold nanoparticle-loaded filter paper: a recyclable dip-catalyst for real-time reaction monitoring by surface enhanced Raman scattering. <i>Chemical Communications</i> , 2015, 51, 4572-4575.	4.1	170
2	Encapsulation of Single Plasmonic Nanoparticles within ZIF-8 and SERS Analysis of the MOF Flexibility. <i>Small</i> , 2016, 12, 3935-3943.	10.0	142
3	Shape control in ZIF-8 nanocrystals and metal nanoparticles@ZIF-8 heterostructures. <i>Nanoscale</i> , 2017, 9, 16645-16651.	5.6	116
4	Discrete metal nanoparticles with plasmonic chirality. <i>Chemical Society Reviews</i> , 2021, 50, 3738-3754.	38.1	99
5	Tuning the Morphology and Chiroptical Properties of Discrete Gold Nanorods with Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16452-16457.	13.8	86
6	Palladium Nanoparticle-Loaded Cellulose Paper: A Highly Efficient, Robust, and Recyclable Self-Assembled Composite Catalytic System. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 230-238.	4.6	82
7	SERS detection of explosive agent by macrocyclic compound functionalized triangular gold nanoprisms. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1728-1735.	2.5	62
8	Oleic acid/oleylamine ligand pair: a versatile combination in the synthesis of colloidal nanoparticles. <i>Nanoscale Horizons</i> , 2022, 7, 941-1015.	8.0	61
9	Hollow-porous fibers for intrinsically thermally insulating textiles and wearable electronics with ultrahigh working sensitivity. <i>Materials Horizons</i> , 2021, 8, 1037-1046.	12.2	59
10	2021 Roadmap: electrocatalysts for green catalytic processes. <i>JPhys Materials</i> , 2021, 4, 022004.	4.2	57
11	Plasmonic metal-organic frameworks. <i>SmartMat</i> , 2021, 2, 446-465.	10.7	49
12	Amino acid mediated mesopore formation in LTA zeolites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2305-2313.	10.3	38
13	Plasmonic Metallic Heteromeric Nanostructures. <i>Small</i> , 2020, 16, e2002588.	10.0	33
14	A highly sensitive protocol (FRET/SIMNSEF) for the determination of mercury ions: a unity of fluorescence quenching of graphene and enhancement of nanogold. <i>Chemical Communications</i> , 2011, 47, 10389.	4.1	31
15	Fine-tune chiroptical activity in discrete chiral Au nanorods. <i>Nano Research</i> , 2022, 15, 6574-6581.	10.4	30
16	Influence of the nature of amino acids on the formation of mesoporous LTA-type zeolite. <i>Microporous and Mesoporous Materials</i> , 2017, 252, 79-89.	4.4	23
17	Kinetic and Mechanistic Investigation of the Photocatalyzed Surface Reduction of 4-Nitrothiophenol Observed on a Silver Plasmonic Film via Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21133-21142.	8.0	23
18	Cellular-Like Gold Nanofeet: Synthesis, Functionalization, and Surface Enhanced Fluorescence Detection for Mercury Contaminations. <i>Plasmonics</i> , 2012, 7, 487-494.	3.4	20

#	ARTICLE	IF	CITATIONS
19	Zeolite Y microspheres with perpendicular mesochannels and metal@Y heterostructures for catalytic and SERS applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6273-6281.	10.3	18
20	Selective growth and upconversion photoluminescence of Y-based fluorides: from NaYF ₄ : Yb/Er to YF ₃ : Yb/Er crystals. <i>Nanotechnology</i> , 2020, 31, 505605.	2.6	14
21	DNA functionalized gold nanorods/nanoplates assembly as sensitive LSPR-based sensor for label-free detection of mercury ions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 485-488.	5.0	13
22	A highly active SERS sensing substrate: core-satellite assembly of gold nanorods/nanoplates. <i>Nanotechnology</i> , 2013, 24, 235502.	2.6	12
23	Pd-Au Heteropentamers: Selective Growth of Au on Pd Tetrahedral Nanoparticles with Enhanced Electrocatalytic Activity. <i>Crystal Growth and Design</i> , 2020, 20, 5863-5867.	3.0	10
24	Tunable edge enhancement by higher-order spiral Fresnel incoherent correlation holography system. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 125103.	2.8	10
25	Face-to-Face Assembly of Ag Nanoplates on Filter Papers for Pesticide Detection by Surface-Enhanced Raman Spectroscopy. <i>Nanomaterials</i> , 2022, 12, 1398.	4.1	9
26	Direct readout SERS multiplex sensing of pesticides via gold nanoplate-in-shell monolayer substrate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 451, 48-55.	4.7	7
27	Tuning the Morphology and Chiroptical Properties of Discrete Gold Nanorods with Amino Acids. <i>Angewandte Chemie</i> , 2018, 130, 16690-16695.	2.0	7
28	Picocavity-Controlled Subnanometer-Resolved Single-Molecule Fluorescence Imaging and Mollow Triplets. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11129-11137.	3.1	5
29	Au-Pd alloy nanoparticles catalyze the colorimetric detection of hydrazine with methylene blue. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107455.	3.9	4
30	Insight into crystal growth and upconversion luminescence property of tetragonal Ba ₃ Sc ₂ F ₁₂ nanocrystals. <i>Rare Metals</i> , 2021, 40, 113-122.	7.1	4
31	Proteins Engineer the Size and Morphology of Noble Metal Nanoparticles. <i>RSC Nanoscience and Nanotechnology</i> , 2021, , 333-354.	0.2	2
32	A dramatic conformational effect of multifunctional zwitterions on zeolite crystallization. <i>Chemical Communications</i> , 2020, 56, 14693-14696.	4.1	1
33	Two-dimensional oxide based pressure sensors with high sensitivity. <i>Nano Select</i> , 0, , .	3.7	0
34	Outside Front Cover: Volume 2 Issue 4. <i>SmartMat</i> , 2021, 2, .	10.7	0