

Lina Zhao

List of Publications by Year in Descending Order

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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.

67
papers

2,455
citations

24
h-index

49
g-index

71
ext. papers

2,846
ext. citations

8.3
avg, IF

4.61
L-index

#	Paper	IF	Citations
67	A bioactivated in vivo assembly nanotechnology fabricated NIR probe for small pancreatic tumor intraoperative imaging.. <i>Nature Communications</i> , 2022 , 13, 418	17.4	4
66	A comparison of Remdesivir versus gold cluster in COVID-19 animal model: A better therapeutic outcome of gold cluster.. <i>Nano Today</i> , 2022 , 44, 101468	17.9	0
65	Rationally designed modular drug delivery platform based on intracellular peptide self-assembly. <i>Exploration</i> , 2021 , 1, 20210153		14
64	Polyvinylpyrrolidone functionalization induces deformable structure of graphene oxide nanosheets for lung-targeting delivery. <i>Nano Today</i> , 2021 , 38, 101151	17.9	5
63	Structurally symmetric near-infrared fluorophore IRDye78-protein complex enables multimodal cancer imaging. <i>Theranostics</i> , 2021 , 11, 2534-2549	12.1	6
62	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. <i>Nature Nanotechnology</i> , 2021 , 16, 708-716	28.7	46
61	The Underlying Function and Structural Organization of the Intracellular Protein Corona on Graphdiyne Oxide Nanosheet for Local Immunomodulation. <i>Nano Letters</i> , 2021 , 21, 6005-6013	11.5	14
60	Is GSH Chelated Pt Molecule Inactive in Anti-Cancer Treatment? A Case Study of Pt GS. <i>Small</i> , 2020 , 16, e2002044	11	3
59	Gold/alpha-lactalbumin nanoprobe for the imaging and treatment of breast cancer. <i>Nature Biomedical Engineering</i> , 2020 , 4, 686-703	19	33
58	An artificial metalloenzyme for catalytic cancer-specific DNA cleavage and operando imaging. <i>Science Advances</i> , 2020 , 6, eabb1421	14.3	29
57	Exploring the Interaction of Fullerenol with Key Digestive Proteases Using Raman-Based Frequency-Shift Sensing and Molecular Simulation Analysis.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2946-2954	4.1	1
56	Interaction Principle Between Coagulation Factor X and Fullerene Derivatives with Different Hydrophilic-Hydrophobic Properties for Anticoagulation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4603-4610	1.3	0
55	Glutathione-Coated Au ₂₉ (SG) ₂₇ : Structural Determination Based on Different Combination Styles Confirmed by Experiments. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13951-13957	3.8	2
54	Screen efficiency comparisons of decision tree and neural network algorithms in machine learning assisted drug design. <i>Science China Chemistry</i> , 2019 , 62, 506-514	7.9	5
53	Au Clusters Treat Rheumatoid Arthritis with Uniquely Reversing Cartilage/Bone Destruction. <i>Advanced Science</i> , 2019 , 6, 1801671	13.6	32
52	The Functions of Selenium and Selenoproteins Relating to the Liver Diseases. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 1875-1888	1.3	7
51	Machine learning methods for research highlight prediction in biomedical effects of nanomaterial application. <i>Pattern Recognition Letters</i> , 2019 , 117, 111-118	4.7	8

50	Turning On/Off the Anti-Tumor Effect of the Au Cluster via Atomically Controlling Its Molecular Size. <i>ACS Nano</i> , 2018 , 12, 4378-4386	16.7	29
49	Targeted peptide-Au cluster binds to epidermal growth factor receptor (EGFR) in both active and inactive states: a clue for cancer inhibition through dual pathways. <i>Science Bulletin</i> , 2018 , 63, 349-355	10.6	7
48	Small size fullereneol nanoparticles inhibit thrombosis and blood coagulation through inhibiting activities of thrombin and FXa. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 929-939	6	15
47	Design of Glyco-Linkers at Multiple Structural Levels to Modulate Protein Stability. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4638-4645	6.4	7
46	How Does Amino Acid Ligand Modulate Au Core Structure and Characteristics in Peptide Coated Au Nanocluster?. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 1799-1803	1.3	1
45	Computation-Aided Rational Deletion of C-Terminal Region Improved the Stability, Activity, and Expression Level of GH2 β -Glucuronidase. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 11380-11389	5.7	10
44	Peptide-Au Cluster Probe: Precisely Detecting Epidermal Growth Factor Receptor of Three Tumor Cell Lines at a Single-Cell Level. <i>ACS Omega</i> , 2017 , 2, 276-282	3.9	10
43	Peptide-Au Clusters Induced Tumor Cells Apoptosis via Targeting Glutathione Peroxidase-1: The Molecular Dynamics Assisted Experimental Studies. <i>Scientific Reports</i> , 2017 , 7, 131	4.9	13
42	Reconfigurable Peptide Nanotherapeutics at Tumor Microenvironmental pH. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30426-30436	9.5	24
41	Elemental Bismuth Graphene Heterostructures for Photocatalysis from Ultraviolet to Infrared Light. <i>ACS Catalysis</i> , 2017 , 7, 7043-7050	13.1	49
40	Ultrasmall Superparamagnetic Iron Oxide Nanoparticle for T-Weighted Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28959-28966	9.5	37
39	The reactive activities of natural amino acids: key principles of peptide-templated Au cluster synthesis. <i>Science Bulletin</i> , 2016 , 61, 1732-1738	10.6	6
38	Computational design of peptide-Au cluster probe for sensitive detection of β integrin. <i>Nanoscale</i> , 2016 , 8, 4203-8	7.7	10
37	Nanoprobes in biomedical detection. <i>Science China Chemistry</i> , 2016 , 59, 255-263	7.9	6
36	Toward high permeability, selectivity and controllability of water desalination with FePc nanopores. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8140-7	3.6	10
35	Impact of Carbon Nanomaterials on Actin Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 2408-17	1.3	8
34	Fullereneol Nanoparticles with Structural Activity Induce Variable Intracellular Actin Filament Morphologies. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 1234-44	4	11
33	Atomic structure of a peptide coated gold nanocluster identified using theoretical and experimental studies. <i>Nanoscale</i> , 2016 , 8, 11454-60	7.7	11

32	Peptide protected gold clusters: chemical synthesis and biomedical applications. <i>Nanoscale</i> , 2016 , 8, 12095-104	7.7	71
31	Molecular Simulation Methods for Safety Analyses of Nanomaterials 2016 , 333-366		1
30	Ultrasmall [(64)Cu]Cu nanoclusters for targeting orthotopic lung tumors using accurate positron emission tomography imaging. <i>ACS Nano</i> , 2015 , 9, 4976-86	16.7	93
29	A prominent bathochromic shift effect of indole-containing diarylethene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 3470-5	3.9	9
28	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunosorbant Assay of Integrin Expression Level on Cell Membrane. <i>ACS Nano</i> , 2015 , 9, 10979-90	16.7	84
27	Spatial Marking and Quantitative Counting Cell Membrane α 5 β 1 Integrin in Single Cells via Peptide-Au Cluster Probes. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1802, 25-31		
26	Cysteine-Ag Cluster Hydrogel Confirmed by Experimental and Numerical Studies. <i>Small</i> , 2015 , 11, 5118-25		18
25	Current Induced Heat Generation in Ferromagnet-Quantum Dot-Ferromagnet System. <i>Materials</i> , 2015 , 8, 3854-3863	3.5	
24	Facile approach to observe and quantify the α 5 β 1 integrin on a single-cell. <i>Analytical Chemistry</i> , 2015 , 87, 2546-9	7.8	47
23	Rotation motion of designed nano-turbine. <i>Scientific Reports</i> , 2014 , 4, 5846	4.9	20
22	Regulation on mechanical properties of collagen: enhanced bioactivities of metallofullerol. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 783-93	6	11
21	Biocompatible and flexible graphene oxide/upconversion nanoparticle hybrid film for optical pH sensing. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 1576-82	3.6	51
20	On-demand generation of singlet oxygen from a smart graphene complex for the photodynamic treatment of cancer cells. <i>Biomaterials Science</i> , 2014 , 2, 1412-1418	7.4	23
19	Size-dependent impact of CNTs on dynamic properties of calmodulin. <i>Nanoscale</i> , 2014 , 6, 12828-37	7.7	15
18	Substituent Site Effect Induced Assemblies of Porphyrin Derivatives on Graphite Surface Characterized Using a Scanning Probe Microscope. <i>Chemistry Letters</i> , 2014 , 43, 1764-1766	1.7	5
17	Single layer of polymeric cobalt phthalocyanine: promising low-cost and high-activity nanocatalysts for CO oxidation. <i>Small</i> , 2013 , 9, 3506-13	11	66
16	The use of polyethylenimine-modified graphene oxide as a nanocarrier for transferring hydrophobic nanocrystals into water to produce water-dispersible hybrids for use in drug delivery. <i>Carbon</i> , 2013 , 57, 120-129	10.4	82
15	Impacts of fullerene derivatives on regulating the structure and assembly of collagen molecules. <i>Nanoscale</i> , 2013 , 5, 7341-8	7.7	24

14	Simulation study on gold nanoparticle-cellular membrane complex in endocytosis process. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 3990-8	1.3	4
13	Gadolinium metallofullerenol nanoparticles inhibit cancer metastasis through matrix metalloproteinase inhibition: imprisoning instead of poisoning cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 136-46	6	86
12	Low-energy isomer identification, structural evolution, and magnetic properties in manganese-doped gold clusters MnAu(n) (n = 1-16). <i>Journal of Physical Chemistry A</i> , 2012 , 116, 1493-502 ^{2.8}	2.8	29
11	Novel Design of a Nanoflowmeter Based on Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13429-13434	3.8	6
10	Enhanced red emission from GdF ₃ :Yb ³⁺ ,Er ³⁺ upconversion nanocrystals by Li ⁺ doping and their application for bioimaging. <i>Chemistry - A European Journal</i> , 2012 , 18, 9239-45	4.8	148
9	Nanopore-Based DNA Analysis via Graphene Electrodes. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-5	3.2	10
8	Molecular mechanism of pancreatic tumor metastasis inhibition by Gd@C ₈₂ (OH) ₂₂ and its implication for de novo design of nanomedicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15431-6	11.5	177
7	Carbon-tuned bonding method significantly enhanced the hydrogen storage of BN-Li complexes. <i>Nanoscale</i> , 2011 , 3, 4824-9	7.7	17
6	Binding of blood proteins to carbon nanotubes reduces cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16968-73	11.5	738
5	Ferromagnetism/antiferromagnetism transition between semihydrogenated and fully-aminated single-wall carbon nanotubes. <i>Nanoscale</i> , 2011 , 3, 3743-6	7.7	5
4	The inhibition of death receptor mediated apoptosis through lysosome stabilization following internalization of carboxyfullerene nanoparticles. <i>Biomaterials</i> , 2011 , 32, 4030-41	15.6	61
3	Room-temperature giant magnetoresistance over one billion percent in a bare graphene nanoribbon device. <i>Physical Review B</i> , 2010 , 81,	3.3	43
2	Control performance and biomembrane disturbance of carbon nanotube artificial water channels by nitrogen-doping. <i>ACS Nano</i> , 2010 , 4, 5755-62	16.7	34
1	A novel artificial bee colony clustering algorithm with comprehensive improvement. <i>Visual Computer</i> , ¹	2.3	2