

# Jinbin Liu

## List of Publications by Citations

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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.

71  
papers

3,995  
citations

27  
h-index

63  
g-index

74  
ext. papers

4,389  
ext. citations

8.3  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
71	Toward a universal "adhesive nanosheet" for the assembly of multiple nanoparticles based on a protein-induced reduction/decoration of graphene oxide. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7279-81	16.4	726
70	Different sized luminescent gold nanoparticles. <i>Nanoscale</i> , <b>2012</b> , 4, 4073-83	7.7	493
69	Passive tumor targeting of renal-clearable luminescent gold nanoparticles: long tumor retention and fast normal tissue clearance. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4978-81	16.4	460
68	Renal clearable inorganic nanoparticles: a new frontier of bionanotechnology. <i>Materials Today</i> , <b>2013</b> , 16, 477-486	21.8	228
67	PEGylation and zwitterionization: pros and cons in the renal clearance and tumor targeting of near-IR-emitting gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12572-6	16.4	203
66	Luminescent gold nanoparticles with pH-dependent membrane adsorption. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11014-7	16.4	166
65	Noncovalent DNA decorations of graphene oxide and reduced graphene oxide toward water-soluble metal-carbon hybrid nanostructures via self-assembly. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 900-906		156
64	Near-infrared emitting radioactive gold nanoparticles with molecular pharmacokinetics. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10118-22	16.4	155
63	pH-Guided Self-Assembly of Copper Nanoclusters with Aggregation-Induced Emission. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3902-3910	9.5	106
62	Luminescent Gold Nanoparticles with Size-Independent Emission. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8894-8	16.4	89
61	An aptamer based resonance light scattering assay of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 36, 35-40	11.8	78
60	High-contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nano fluorophores. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15434-8	16.4	68
59	A simple and sensitive assay of nucleic acids based on the enhanced resonance light scattering of zwitterionics. <i>Analytica Chimica Acta</i> , <b>2005</b> , 550, 204-209	6.6	67
58	Renal clearance and degradation of glutathione-coated copper nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 511-9	6.3	64
57	PEGylation and Zwitterionization: Pros and Cons in the Renal Clearance and Tumor Targeting of Near-IR-Emitting Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12804-12808	3.6	62
56	Chitosan-capped gold nanoparticles for selective and colorimetric sensing of heparin. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1930	2.3	52
55	A novel histidine assay using tetraphenylporphyrin manganese (III) chloride as a molecular recognition probe by resonance light scattering technique. <i>Analytica Chimica Acta</i> , <b>2006</b> , 570, 109-115	6.6	50

54	Near-Infrared Emitting Radioactive Gold Nanoparticles with Molecular Pharmacokinetics. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 10265-10269	3.6	45
53	Glutathione-coated luminescent gold nanoparticles: a surface ligand for minimizing serum protein adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11829-33	9.5	41
52	Tailor-made Au@Ag core-shell nanoparticle 2D arrays on protein-coated graphene oxide with assembly enhanced antibacterial activity. <i>Nanotechnology</i> , <b>2013</b> , 24, 205102	3.4	41
51	Rapid and sensitive determination of proteins by enhanced resonance light scattering spectroscopy of sodium lauroyl glutamate. <i>Talanta</i> , <b>2007</b> , 71, 1246-51	6.2	38
50	Luminescent gold nanoparticles: a new class of nanoprobe for biomedical imaging. <i>Experimental Biology and Medicine</i> , <b>2013</b> , 238, 1199-209	3.7	33
49	Amphiphilic Block Copolymer-Guided in Situ Fabrication of Stable and Highly Controlled Luminescent Copper Nanoassemblies. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2852-2856	16.4	32
48	One-step interfacial synthesis and assembly of ultrathin luminescent AuNPs/silica membranes. <i>Advanced Materials</i> , <b>2012</b> , 24, 3218-22	24	29
47	Bioapplications of renal-clearable luminescent metal nanoparticles. <i>Biomaterials Science</i> , <b>2017</b> , 5, 1393-1406	14.6	27
46	Transformation from gold nanoclusters to plasmonic nanoparticles: A general strategy towards selective detection of organophosphorothioate pesticides. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 99, 274-280	11.8	27
45	High-contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nanofluorophores. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15654-15658	3.6	27
44	Surface Regulation Towards Stimuli-Responsive Luminescence of Ultrasmall Thiolated Gold Nanoparticles for Ratiometric Imaging. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806945	15.6	26
43	Luminescent Gold Nanoparticles with Size-Independent Emission. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9040-9044	9.44	24
42	Self-Assembly of Luminescent Gold Nanoparticles with Sensitive pH-Stimulated Structure Transformation and Emission Response toward Lysosome Escape and Intracellular Imaging. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 8237-8243	7.8	23
41	Fluorescent pH-Sensing Probe Based on Biorefinery Wood Lignosulfonate and Its Application in Human Cancer Cell Bioimaging. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 9592-9600	5.7	20
40	Coordinatively Self-Assembled Luminescent Gold Nanoparticles: Fluorescence Turn-On System for High-Efficiency Passive Tumor Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5118-5127	9.5	18
39	Surface Coverage-Regulated Cellular Interaction of Ultrasmall Luminescent Gold Nanoparticles. <i>ACS Nano</i> , <b>2019</b> , 13, 1893-1899	16.7	17
38	Label-free detection of target DNA sequence and single-base mismatch in hepatitis C virus corresponding to oligonucleotide by resonance light scattering technique. <i>RSC Advances</i> , <b>2012</b> , 2, 2562	3.7	16
37	Use of sodium lauroyl sarcosinate in a high-sensitivity protein assay by resonance light scattering technique. <i>Journal of Biomolecular Screening</i> , <b>2006</b> , 11, 400-6		16

36	Determination of Nucleic Acids Based on their Resonance Light Scattering Enhancement Effect on Metalloporphyrin Derivatives. <i>Mikrochimica Acta</i> , <b>2005</b> , 150, 35-42	5.8	16
35	Precisely Regulated Luminescent Gold Nanoparticles for Identification of Cancer Metastases. <i>ACS Nano</i> , <b>2020</b> , 14, 13975-13985	16.7	16
34	Effect of Hydrophobicity on Nano-Bio Interactions of Zwitterionic Luminescent Gold Nanoparticles at the Cellular Level. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1841-1846	6.3	15
33	One-step synthesis and self-assembly of a luminescent sponge-like network of gold nanoparticles with high absorption capacity. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6917-6922	7.1	14
32	An assay of DNA by resonance light scattering technique and its application in screening anticancer drugs. <i>Analytical Methods</i> , <b>2012</b> , 4, 1546-1551	3.2	13
31	Micro-determination of nucleic acids with a simple probe manganese chloride based on the fine enhanced resonance light scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 68, 263-8	4.4	13
30	Bidirectional Regulation of Singlet Oxygen Generation from Luminescent Gold Nanoparticles through Surface Manipulation. <i>Small</i> , <b>2020</b> , 16, e2000011	11	12
29	High-sensitivity determination of curcumin in human urine using gemini zwitterionic surfactant as a probe by resonance light scattering technique. <i>Phytochemical Analysis</i> , <b>2012</b> , 23, 456-61	3.4	12
28	Facile in situ synthesis of ultrasmall near-infrared-emitting gold glyconanoparticles with enhanced cellular uptake and tumor targeting. <i>Nanoscale</i> , <b>2019</b> , 11, 16336-16341	7.7	11
27	Strict DNA Valence Control in Ultrasmall Thiolate-Protected Near-Infrared-Emitting Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 14023-14027	16.4	11
26	In Situ Self-Assembly of Ultrastable Crosslinked Luminescent Gold Nanoparticle and Organic Dye Nanohybrids toward Ultrasensitive and Reversible Ratiometric Thermal Imaging. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900326	8.1	10
25	pH-Regulated Surface Plasmon Absorption from Ultrasmall Luminescent Gold Nanoparticles. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701324	8.1	10
24	Reactivity Toward Ag: A General Strategy to Generate a New Emissive Center from NIR-Emitting Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 557-562	6.4	9
23	Detection of Vascular Endothelial Growth Factor Based on Gold Nanoparticles and Immunoreaction Using Resonance Light Scattering. <i>Plasmonics</i> , <b>2013</b> , 8, 605-611	2.4	9
22	In situ self-assembly of near-infrared-emitting gold nanoparticles into body-clearable 1D nanostructures with rapid lysosome escape and fast cellular excretion. <i>Nano Research</i> , <b>2021</b> , 14, 1087-1094	10	9
21	Concentration-Dependent Subcellular Distribution of Ultrasmall Near-Infrared-Emitting Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5739-5743	16.4	9
20	Coordination-induced decomposition of luminescent gold nanoparticles: sensitive detection of HO and glucose. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 1635-1641	4.4	8
19	Development of a sensitive and rapid nucleic acid assay with tetraphenyl porphyrinatoiron chloride by a resonance light scattering technique. <i>Luminescence</i> , <b>2007</b> , 22, 493-500	2.5	7

18	A sensitive rutin assay using a simple probe manganese sulfate based on its novel resonance light scattering decrease phenomenon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 71, 344-9	4.4	7
17	Enhanced Ultrasound Contrast of Renal-Clearable Luminescent Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11713-11717	16.4	7
16	Functionalized gold nanorods as an immunosensor probe for neuron specific enolase sensing via resonance light scattering. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3031-3034	7.3	6
15	Green and transparent cellulose nanofiber substrate-supported luminescent gold nanoparticles: A stable and sensitive solid-state sensing membrane for Hg(II) detection. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 319, 128295	8.5	5
14	Ultrasmall Luminescent Metal Nanoparticles: Surface Engineering Strategies for Biological Targeting and Imaging. <i>Advanced Science</i> , <b>2021</b> , e2103971	13.6	5
13	Mercaptosuccinic acid-coated NIR-emitting gold nanoparticles for the sensitive and selective detection of Hg. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 188, 483-487	4.4	5
12	Weak Anchoring Sites of Thiolate-Protected Luminescent Gold Nanoparticles. <i>Small</i> , <b>2021</b> , 17, e2102481	11	5
11	A novel and selective assay for the quantitative analysis of molybdenum(VI) at nanogram level by resonance light scattering quenching technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 70, 290-6	4.4	4
10	Resonance light scattering spectroscopy of beta-cyclodextrin-sodium dodecylsulfate-protein ternary system and its analytical applications. <i>Analytical Sciences</i> , <b>2007</b> , 23, 1305-10	1.7	4
9	Surface-chemistry effect on cellular response of luminescent plasmonic silver nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 453-9	6.3	3
8	A resonance light scattering sensor based on methylene blue-sodium dodecyl benzene sulfonate for ultrasensitive detection of guanine base associated mutations. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 404, 1673-9	4.4	3
7	Rapid and Sensitive Determination of Nucleic Acids by Enhanced Resonance Light Scattering Spectroscopy of Tetraphenyl Porphyrin Cobalt(II)Chloride. <i>Instrumentation Science and Technology</i> , <b>2006</b> , 34, 273-287	1.4	3
6	Growth regulation of luminescent gold nanoparticles directed from amphiphilic block copolymers: highly-controlled nanoassemblies toward tailored in-vivo transport. <i>Science China Chemistry</i> , <b>2021</b> , 64, 157-164	7.9	3
5	Sensitive determination of DNA based on resonance light scattering enhancement of azocarmine G and CTAB. <i>Central South University</i> , <b>2005</b> , 12, 688-692		2
4	Decomposition of Amino Acids Catalyzed by Plasmonic Gold Nanoparticles. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 813-818	2.3	2
3	Concentration-Dependent Subcellular Distribution of Ultrasmall Near-Infrared-Emitting Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5803-5807	3.6	2
2	A label-free method for studying DNA sequence recognition of mitoxantrone based on resonance light-scattering technique. <i>Journal of Antibiotics</i> , <b>2012</b> , 65, 517-22	3.7	1
1	Enhanced Ultrasound Contrast of Renal-Clearable Luminescent Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11819-11823	3.6	0

