Jinbin Liu

List of Publications by Year in Descending Order

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	Ultrasmall Luminescent Metal Nanoparticles: Surface Engineering Strategies for Biological Targeting and Imaging. *Advanced Science*, **2021**, e2103971	13.6	5
70	Enhanced Ultrasound Contrast of Renal-Clearable Luminescent Gold Nanoparticles. *Angewandte Chemie - International Edition*, **2021**, 60, 11713-11717	16.4	7
69	Enhanced Ultrasound Contrast of Renal-Clearable Luminescent Gold Nanoparticles. *Angewandte Chemie*, **2021**, 133, 11819-11823	3.6	0
68	In situ self-assembly of near-infrared-emitting gold nanoparticles into body-clearable 1D nanostructures with rapid lysosome escape and fast cellular excretion. *Nano Research*, **2021**, 14, 1087-1094	10	9
67	Growth regulation of luminescent gold nanoparticles directed from amphiphilic block copolymers: highly-controlled nanoassemblies toward tailored in-vivo transport. *Science China Chemistry*, **2021**, 64, 157-164	7.9	3
66	Concentration-Dependent Subcellular Distribution of Ultrasmall Near-Infrared-Emitting Gold Nanoparticles. *Angewandte Chemie - International Edition*, **2021**, 60, 5739-5743	16.4	9
65	Concentration-Dependent Subcellular Distribution of Ultrasmall Near-Infrared-Emitting Gold Nanoparticles. *Angewandte Chemie*, **2021**, 133, 5803-5807	3.6	2
64	Weak Anchoring Sites of Thiolate-Protected Luminescent Gold Nanoparticles. *Small*, **2021**, 17, e2102481	11	5
63	Green and transparent cellulose nanofiber substrate-supported luminescent gold nanoparticles: A stable and sensitive solid-state sensing membrane for Hg(II) detection. *Sensors and Actuators B: Chemical*, **2020**, 319, 128295	8.5	5
62	Bidirectional Regulation of Singlet Oxygen Generation from Luminescent Gold Nanoparticles through Surface Manipulation. *Small*, **2020**, 16, e2000011	11	12
61	Strict DNA Valence Control in Ultrasmall Thiolate-Protected Near-Infrared-Emitting Gold Nanoparticles. *Journal of the American Chemical Society*, **2020**, 142, 14023-14027	16.4	11
60	Precisely Regulated Luminescent Gold Nanoparticles for Identification of Cancer Metastases. *ACS Nano*, **2020**, 14, 13975-13985	16.7	16
59	Surface Regulation Towards Stimuli-Responsive Luminescence of Ultrasmall Thiolated Gold Nanoparticles for Ratiometric Imaging. *Advanced Functional Materials*, **2019**, 29, 1806945	15.6	26
58	Surface Coverage-Regulated Cellular Interaction of Ultrasmall Luminescent Gold Nanoparticles. *ACS Nano*, **2019**, 13, 1893-1899	16.7	17
57	Amphiphilic Block Copolymer-Guided in Situ Fabrication of Stable and Highly Controlled Luminescent Copper Nanoassemblies. *Journal of the American Chemical Society*, **2019**, 141, 2852-2856	16.4	32
56	Self-Assembly of Luminescent Gold Nanoparticles with Sensitive pH-Stimulated Structure Transformation and Emission Response toward Lysosome Escape and Intracellular Imaging. *Analytical Chemistry*, **2019**, 91, 8237-8243	7.8	23
55	In Situ Self-Assembly of Ultrastable Crosslinked Luminescent Gold Nanoparticle and Organic Dye Nanohybrids toward Ultrasensitive and Reversible Ratiometric Thermal Imaging. *Advanced Optical Materials*, **2019**, 7, 1900326	8.1	10

54	Facile in situ synthesis of ultrasmall near-infrared-emitting gold glyconanoparticles with enhanced cellular uptake and tumor targeting. *Nanoscale*, **2019**, 11, 16336-16341	7.7	11
53	pH-Regulated Surface Plasmon Absorption from Ultrasmall Luminescent Gold Nanoparticles. *Advanced Optical Materials*, **2018**, 6, 1701324	8.1	10
52	Reactivity Toward Ag: A General Strategy to Generate a New Emissive Center from NIR-Emitting Gold Nanoparticles. *Journal of Physical Chemistry Letters*, **2018**, 9, 557-562	6.4	9
51	Transformation from gold nanoclusters to plasmonic nanoparticles: A general strategy towards selective detection of organophosphorothioate pesticides. *Biosensors and Bioelectronics*, **2018**, 99, 274-280	11.8	27
50	Mercaptosuccinic acid-coated NIR-emitting gold nanoparticles for the sensitive and selective detection of Hg. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 188, 483-487	4.4	5
49	Effect of Hydrophobicity on Nano-Bio Interactions of Zwitterionic Luminescent Gold Nanoparticles at the Cellular Level. *Bioconjugate Chemistry*, **2018**, 29, 1841-1846	6.3	15
48	Coordinatively Self-Assembled Luminescent Gold Nanoparticles: Fluorescence Turn-On System for High-Efficiency Passive Tumor Imaging. *ACS Applied Materials & Interfaces*, **2017**, 9, 5118-5127	9.5	18
47	pH-Guided Self-Assembly of Copper Nanoclusters with Aggregation-Induced Emission. *ACS Applied Materials & Interfaces*, **2017**, 9, 3902-3910	9.5	106
46	Coordination-induced decomposition of luminescent gold nanoparticles: sensitive detection of HO and glucose. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 1635-1641	4.4	8
45	Bioapplications of renal-clearable luminescent metal nanoparticles. *Biomaterials Science*, **2017**, 5, 1393-1406	7.4	27
44	One-step synthesis and self-assembly of a luminescent sponge-like network of gold nanoparticles with high absorption capacity. *Journal of Materials Chemistry C*, **2017**, 5, 6917-6922	7.1	14
43	Luminescent Gold Nanoparticles with Size-Independent Emission. *Angewandte Chemie*, **2016**, 128, 9040-9044	3.6	24
42	Luminescent Gold Nanoparticles with Size-Independent Emission. *Angewandte Chemie - International Edition*, **2016**, 55, 8894-8	16.4	89
41	Fluorescent pH-Sensing Probe Based on Biorefinery Wood Lignosulfonate and Its Application in Human Cancer Cell Bioimaging. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 9592-9600	5.7	20
40	High-contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nanofluorophores. *Angewandte Chemie*, **2015**, 127, 15654-15658	3.6	27
39	High-contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nanofluorophores. *Angewandte Chemie - International Edition*, **2015**, 54, 15434-8	16.4	68
38	Renal clearance and degradation of glutathione-coated copper nanoparticles. *Bioconjugate Chemistry*, **2015**, 26, 511-9	6.3	64
37	Glutathione-coated luminescent gold nanoparticles: a surface ligand for minimizing serum protein adsorption. *ACS Applied Materials & Interfaces*, **2014**, 6, 11829-33	9.5	41

36	Surface-chemistry effect on cellular response of luminescent plasmonic silver nanoparticles. *Bioconjugate Chemistry*, **2014**, 25, 453-9	6.3	3
35	Tailor-made Au@Ag core-shell nanoparticle 2D arrays on protein-coated graphene oxide with assembly enhanced antibacterial activity. *Nanotechnology*, **2013**, 24, 205102	3.4	41
34	Detection of Vascular Endothelial Growth Factor Based on Gold Nanoparticles and Immunoreaction Using Resonance Light Scattering. *Plasmonics*, **2013**, 8, 605-611	2.4	9
33	Luminescent gold nanoparticles: a new class of nanoprobes for biomedical imaging. *Experimental Biology and Medicine*, **2013**, 238, 1199-209	3.7	33
32	Chitosan-capped gold nanoparticles for selective and colorimetric sensing of heparin. *Journal of Nanoparticle Research*, **2013**, 15, 1930	2.3	52
31	Renal clearable inorganic nanoparticles: a new frontier of bionanotechnology. *Materials Today*, **2013**, 16, 477-486	21.8	228
30	Passive tumor targeting of renal-clearable luminescent gold nanoparticles: long tumor retention and fast normal tissue clearance. *Journal of the American Chemical Society*, **2013**, 135, 4978-81	16.4	460
29	Functionalized gold nanorods as an immunosensor probe for neuron specific enolase sensing via resonance light scattering. *Journal of Materials Chemistry B*, **2013**, 1, 3031-3034	7.3	6
28	PEGylation and zwitterionization: pros and cons in the renal clearance and tumor targeting of near-IR-emitting gold nanoparticles. *Angewandte Chemie - International Edition*, **2013**, 52, 12572-6	16.4	203
27	PEGylation and Zwitterionization: Pros and Cons in the Renal Clearance and Tumor Targeting of Near-IR-Emitting Gold Nanoparticles. *Angewandte Chemie*, **2013**, 125, 12804-12808	3.6	62
26	An assay of DNA by resonance light scattering technique and its application in screening anticancer drugs. *Analytical Methods*, **2012**, 4, 1546-1551	3.2	13
25	Label-free detection of target DNA sequence and single-base mismatch in hepatitis C virus corresponding to oligonucleotide by resonance light scattering technique. *RSC Advances*, **2012**, 2, 2562	3.7	16
24	A resonance light scattering sensor based on methylene blue-sodium dodecyl benzene sulfonate for ultrasensitive detection of guanine base associated mutations. *Analytical and Bioanalytical Chemistry*, **2012**, 404, 1673-9	4.4	3
23	An aptamer based resonance light scattering assay of prostate specific antigen. *Biosensors and Bioelectronics*, **2012**, 36, 35-40	11.8	78
22	Near-Infrared Emitting Radioactive Gold Nanoparticles with Molecular Pharmacokinetics. *Angewandte Chemie*, **2012**, 124, 10265-10269	3.6	45
21	Near-infrared emitting radioactive gold nanoparticles with molecular pharmacokinetics. *Angewandte Chemie - International Edition*, **2012**, 51, 10118-22	16.4	155
20	High-sensitivity determination of curcumin in human urine using gemini zwitterionic surfactant as a probe by resonance light scattering technique. *Phytochemical Analysis*, **2012**, 23, 456-61	3.4	12
19	One-step interfacial synthesis and assembly of ultrathin luminescent AuNPs/silica membranes. *Advanced Materials*, **2012**, 24, 3218-22	24	29

18	Different sized luminescent gold nanoparticles. *Nanoscale*, **2012**, 4, 4073-83	7.7	493
17	A label-free method for studying DNA sequence recognition of mitoxantrone based on resonance light-scattering technique. *Journal of Antibiotics*, **2012**, 65, 517-22	3.7	1
16	Decomposition of Amino Acids Catalyzed by Plasmonic Gold Nanoparticles. *Science of Advanced Materials*, **2012**, 4, 813-818	2.3	2
15	Luminescent gold nanoparticles with pH-dependent membrane adsorption. *Journal of the American Chemical Society*, **2011**, 133, 11014-7	16.4	166
14	Noncovalent DNA decorations of graphene oxide and reduced graphene oxide toward water-soluble metal–carbon hybrid nanostructures via self-assembly. *Journal of Materials Chemistry* , **2010**, 20, 900-906		156
13	Toward a universal "adhesive nanosheet" for the assembly of multiple nanoparticles based on a protein-induced reduction/decoration of graphene oxide. *Journal of the American Chemical Society*, **2010**, 132, 7279-81	16.4	726
12	A novel and selective assay for the quantitative analysis of molybdenum(VI) at nanogram level by resonance light scattering quenching technique. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 70, 290-6	4.4	4
11	A sensitive rutin assay using a simple probe manganese sulfate based on its novel resonance light scattering decrease phenomenon. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 71, 344-9	4.4	7
10	Development of a sensitive and rapid nucleic acid assay with tetraphenyl porphyrinatoiron chloride by a resonance light scattering technique. *Luminescence*, **2007**, 22, 493-500	2.5	7
9	Micro-determination of nucleic acids with a simple probe manganese chloride based on the fine enhanced resonance light scattering. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2007**, 68, 263-8	4.4	13
8	Resonance light scattering spectroscopy of beta-cyclodextrin-sodium dodecylsulfate-protein ternary system and its analytical applications. *Analytical Sciences*, **2007**, 23, 1305-10	1.7	4
7	Rapid and sensitive determination of proteins by enhanced resonance light scattering spectroscopy of sodium lauroyl glutamate. *Talanta*, **2007**, 71, 1246-51	6.2	38
6	Rapid and Sensitive Determination of Nucleic Acids by Enhanced Resonance Light Scattering Spectroscopy of Tetraphenyl Porphyrin Cobalt(II)Chloride. *Instrumentation Science and Technology*, **2006**, 34, 273-287	1.4	3
5	Use of sodium lauroyl sarcosinate in a high-sensitivity protein assay by resonance light scattering technique. *Journal of Biomolecular Screening*, **2006**, 11, 400-6		16
4	A novel histidine assay using tetraphenylporphyrin manganese (III) chloride as a molecular recognition probe by resonance light scattering technique. *Analytica Chimica Acta*, **2006**, 570, 109-115	6.6	50
3	A simple and sensitive assay of nucleic acids based on the enhanced resonance light scattering of zwitterionics. *Analytica Chimica Acta*, **2005**, 550, 204-209	6.6	67
2	Determination of Nucleic Acids Based on their Resonance Light Scattering Enhancement Effect on Metalloporphyrin Derivatives. *Mikrochimica Acta*, **2005**, 150, 35-42	5.8	16
1	Sensitive determination of DNA based on resonance light scattering enhancement of azocarmine G and CTAB. *Central South University*, **2005**, 12, 688-692		2