Jian Ling

List of Publications by Year
in descending order

65	2,131	201674	233421
papers	citations	27 h-index	45 g-index

66	66	66	2835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanotoxicity of Silver Nanoparticles to Red Blood Cells: Size Dependent Adsorption, Uptake, and Hemolytic Activity. Chemical Research in Toxicology, 2015, 28, 501-509.	3.3	245
2	A Localized Surface Plasmon Resonance Light-Scattering Assay of Mercury (II) on the Basis of Hg²⁺â"DNA Complex Induced Aggregation of Gold Nanoparticles. Environmental Science & Technology, 2009, 43, 5022-5027.	10.0	119
3	Visual and light scattering spectrometric detections of melamine with polythymine-stabilized gold nanoparticles through specific triple hydrogen-bonding recognition. Chemical Communications, 2010, 46, 4893.	4.1	118
4	Aptamer-Based Silver Nanoparticles Used for Intracellular Protein Imaging and Single Nanoparticle Spectral Analysis. Journal of Physical Chemistry B, 2010, 114, 3655-3659.	2.6	86
5	A rapid, sensitive and selective colorimetric method for detection of ascorbic acid. Sensors and Actuators B: Chemical, 2015, 221, 708-716.	7.8	85
6	A colorimetric method for highly sensitive and accurate detection of iodide by finding the critical color in a color change process using silver triangular nanoplates. Analytica Chimica Acta, 2013, 798, 74-81.	5.4	83
7	Visual Sandwich Immunoassay System on the Basis of Plasmon Resonance Scattering Signals of Silver Nanoparticles. Analytical Chemistry, 2009, 81, 1707-1714.	6.5	82
8	Fluorescent carbon quantum dots synthesized using phenylalanine and citric acid for selective detection of Fe3+ ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117944.	3.9	78
9	Sensitive Discrimination and Detection of Prion Disease-Associated Isoform with a Dual-Aptamer Strategy by Developing a Sandwich Structure of Magnetic Microparticles and Quantum Dots. Analytical Chemistry, 2010, 82, 9736-9742.	6.5	74
10	Visual colorimetric detection of berberine hydrochloride with silver nanoparticles. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 860-864.	2.8	73
11	Light-scattering signals from nanoparticles in biochemical assay, pharmaceutical analysis and biological imaging. TrAC - Trends in Analytical Chemistry, 2009, 28, 447-453.	11.4	71
12	Energy transfer with gold nanoparticles for analytical applications in the fields of biochemical and pharmaceutical sciences. Analytical Methods, 2010, 2, 1439.	2.7	59
13	Individually color-coded plasmonic nanoparticles for RGB analysis. Chemical Communications, 2011, 47, 8121.	4.1	54
14	Catalytic formation of silver nanoparticles by bovine serum albumin protected-silver nanoclusters and its application for colorimetric detection of ascorbic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 106, 224-230.	3.9	53
15	Recent Developments of the Resonance Light Scattering Technique: Technical Evolution, New Probes and Applications. Applied Spectroscopy Reviews, 2007, 42, 177-201.	6.7	51
16	Magnetic Particle-Based Sandwich Sensor with DNA-Modified Carbon Nanotubes as Recognition Elements for Detection of DNA Hybridization. Analytical Chemistry, 2008, 80, 1819-1823.	6.5	48
17	Hyaluronic acid as a material for the synthesis of fluorescent carbon dots and its application for selective detection of Fe3+ ion and folic acid. Microchemical Journal, 2020, 159, 105364.	4.5	43
18	Sensitive detection of mercury and copper ions by fluorescent DNA/Ag nanoclusters in guanine-rich DNA hybridization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1250-1257.	3.9	39

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19	Effect of silver nanoparticles on gill membranes of common carp: Modification of fatty acid profile, lipid peroxidation and membrane fluidity. Environmental Pollution, 2020, 256, 113504.	7.5	38
20	Surface charge-dependent bioaccumulation dynamics of silver nanoparticles in freshwater algae. Chemosphere, 2020, 247, 125936.	8.2	33
21	Silver Nanocubes Formed on ATP-Mediated Nafion Film and a Visual Method for Formaldehyde. Journal of Physical Chemistry B, 2008, 112, 16990-16994.	2.6	31
22	Plasmonic platforms for colorimetric sensing of cysteine. Applied Spectroscopy Reviews, 2016, 51, 129-147.	6.7	30
23	A label-free visual immunoassay on solid support with silver nanoparticles as plasmon resonance scattering indicator. Analytical Biochemistry, 2008, 383, 168-173.	2.4	29
24	Metabolic profiling of silver nanoparticle toxicity in Microcystis aeruginosa. Environmental Science: Nano, 2018, 5, 2519-2530.	4.3	28
25	Influence of calcium promoter on catalytic pyrolysis characteristics of iron-loaded brown coal in a fixed bed reactor. Journal of the Energy Institute, 2020, 93, 695-710.	5.3	28
26	One-pot synthesis of green-emitting gold nanoclusters as a fluorescent probe for determination of 4-nitrophenol. Mikrochimica Acta, 2020, 187, 106.	5.0	28
27	Cytotoxicity of cuprous oxide nanoparticles to fish blood cells: hemolysis and internalization. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	27
28	Selective fluorescence quenching of papainâ€“Au nanoclusters by selfâ€polymerization of dopamine. Luminescence, 2018, 33, 168-173.	2.9	27
29	Conformational Change Detection of DNA with the Fluorogenic Reagent ofo-Phthalaldehyde-Î²-Mercaptoethanol. Journal of Physical Chemistry B, 2008, 112, 1783-1788.	2.6	26
30	Proteomic profiling reveals the differential toxic responses of gills of common carp exposed to nanosilver and silver nitrate. Journal of Hazardous Materials, 2020, 394, 122562.	12.4	26
31	Glutathione stabilized green-emission gold nanoclusters for selective detection of cobalt ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 254, 119628.	3.9	24
32	Rapid and convenient synthesis of stable silver nanoparticles with kiwi juice and its novel application for detecting protease K. New Journal of Chemistry, 2015, 39, 1295-1300.	2.8	22
33	Optical Properties of Reconfigurable Polymer/Silver Nanoprism Hybrids: Tunable Color and Infrared Scattering Contrast. ACS Applied Materials & Interfaces, 2018, 10, 8976-8984.	8.0	22
34	Chicken Egg White-stabilized Au Nanoclusters for Selective and Sensitive Detection of Hg(II). Analytical Sciences, 2017, 33, 671-675.	1.6	20
35	Synergistic aggregating of Au(i)â€“glutathione complex for fluorescence â€œturn-onâ€•detection of Pb(ii). Analytical Methods, 2013, 5, 5584.	2.7	19
36	Highly selective visual sensing of copper based on fluorescence enhanced glutathione-Au nanoclusters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117472.	3.9	17

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37	Modulating fluorescence emission of l-methionine-stabilized Au nanoclusters from green to red and its application for visual detection of silver ion. Microchemical Journal, 2021, 166, 106198.	4.5	16
38	Photocatalytic synthesis of BSA-Au nanoclusters with tunable fluorescence for highly selective detection of silver ion. Dyes and Pigments, 2021, 193, 109533.	3.7	16
39	Intensive epidermal adsorption and specific venous deposition of carboxyl quantum dots in zebrafish early-life stages. Chemosphere, 2017, 184, 44-52.	8.2	15
40	A lead-free Cs2ZnCl4 perovskite nanocrystals fluorescent probe for highly selective detection of norfloxacin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 281, 121568.	3.9	15
41	Observable Temperature-Dependent Compactionâ˜Decompaction of Cationic Polythiophene in the Presence of Iodide. Journal of Physical Chemistry B, 2011, 115, 1693-1697.	2.6	14
42	Proteomics reveals surface electrical property-dependent toxic mechanisms of silver nanoparticles in Chlorella vulgaris. Environmental Pollution, 2020, 265, 114743.	7.5	14
43	Liquid-liquid extraction and visual detection of Hg2+ in aqueous solution by luminescent CsPbBr3 perovskite nanocrystals. Microchemical Journal, 2021, 170, 106769.	4.5	14
44	Highly selective and rapid detection of silver ions by using a â€œturn onâ€•non-fluorescent cysteine stabilized gold nanocluster probe. Analytical Methods, 2021, 13, 2099-2106.	2.7	13
45	Selective Detection of Mercury (II) by Etching the Corners of Silver Triangular Nanoplates. Spectroscopy Letters, 2014, 47, 549-553.	1.0	10
46	A water-soluble luminescent cesium-lead perovskite nanocrystal probe for sensitive detection of penicillamine. Dyes and Pigments, 2022, 205, 110537.	3.7	10
47	The presence of a single-nucleotide mismatch in linker increases the fluorescence of guanine-enhanced DNA-templated Ag nanoclusters and their application for highly sensitive detection of cyanide. RSC Advances, 2018, 8, 41464-41471.	3.6	9
48	Rapid synthesis of cesium lead halide perovskite nanocrystals by <scp>l</scp>-lysine assisted solid-phase reaction at room temperature. RSC Advances, 2020, 10, 34215-34224.	3.6	9
49	Selective Aggregation of Silver Nanoprisms Induced by Monohydrogen Phosphate and its Application for Colorimetric Detection of Chromium (III) Ions. Journal of Analysis and Testing, 2021, 5, 225-234.	5.1	9
50	Poly(thymine)-templated copper nanoparticles as a fluorescence probe for highly selective and rapid detection of cysteine. Spectroscopy Letters, 2017, 50, 137-142.	1.0	7
51	Mercuric ions induced aggregation of gold nanoparticles as investigated by localized surface plasmon resonance light scattering and dynamic light scattering techniques. Science China Chemistry, 2013, 56, 806-812.	8.2	5
52	DNA bioassays based on the fluorescence â€˜turn offâ€™ of silver nanocluster beacon. Luminescence, 2020, 35, 702-708.	2.9	5
53	An irreversible temperature indicator fabricated by citrate induced face-to-face assembly of silver triangular nanoplates. Materials Science and Engineering C, 2018, 92, 657-662.	7.3	4
54	Fluorescent silver nanoclusters stabilized in guanine-enhanced DNA hybridization for recognizing different small biological molecules. Journal of Luminescence, 2020, 221, 117038.	3.1	4

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55	Directly light scattering imaging of the aggregations of biopolymer bound chromium(III) hydrolytic oligomers in aqueous phase and liquid/liquid interface. Analytica Chimica Acta, 2006, 567, 143-151.	5.4	3
56	The adsorption of silver nanoparticles on the proteins-immobilized glass slides and a visual investigation on proteins immobilization. Science in China Series B: Chemistry, 2009, 52, 639-643.	0.8	3
57	3. Detection of light scattering signals. , 2018, , 59-81.		0
58	4. Resonance light scattering spectroscopy. , 2018, , 82-104.		0
59	5. Light scattering spectral probes of organic small molecule. , 2018, , 105-140.		0
60	6. Light scattering nanospectral probes. , 2018, , 141-180.		0
61	7. Nano light scattering spectrometry. , 2018, , 181-221.		0
62	12. Light scattering spectrometry of proteins. , 2018, , 300-322.		0
63	2. Electromagnetic wave and light scattering theory. , 2018, , 28-58.		0
64	1. Introduction to light scattering. , 2018, , 1-27.		0
65	Synthesis and Characterization of a pH Fluorescence Sensor with Tunable Response Range. Chinese Journal of Analytical Chemistry, 2012, 40, 77.	1.7	0