Jian Ling

List of Publications by Year
in descending order

65 papers	2,131 citations	201575 27 h-index	233338 45 g-index
66 all docs	66 docs citations	66 times ranked	2835 citing authors

#	Article	IF	Citations
1	A water-soluble luminescent cesium-lead perovskite nanocrystal probe for sensitive detection of penicillamine. Dyes and Pigments, 2022, 205, 110537.	2.0	10
2	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.	2.0	15
3	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.	1.3	13
4	Glutathione stabilized green-emission gold nanoclusters for selective detection of cobalt ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 254, 119628.	2.0	24
5	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.	2.3	16
6	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.	2.5	9
7	Photocatalytic synthesis of BSA-Au nanoclusters with tunable fluorescence for highly selective detection of silver ion. Dyes and Pigments, 2021, 193, 109533.	2.0	16
8	Liquid-liquid extraction and visual detection of Hg2+ in aqueous solution by luminescent CsPbBr3 perovskite nanocrystals. Microchemical Journal, 2021, 170, 106769.	2.3	14
9	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.	2.7	28
10	Highly selective visual sensing of copper based on fluorescence enhanced glutathione-Au nanoclusters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117472.	2.0	17
11	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.	3.7	38
12	One-pot synthesis of green-emitting gold nanoclusters as a fluorescent probe for determination of 4-nitrophenol. Mikrochimica Acta, 2020, 187, 106.	2.5	28
13	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.	2.0	78
14	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.	2.3	43
15	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.	1.7	9
16	Proteomics reveals surface electrical property-dependent toxic mechanisms of silver nanoparticles in Chlorella vulgaris. Environmental Pollution, 2020, 265, 114743.	3.7	14
17	Surface charge-dependent bioaccumulation dynamics of silver nanoparticles in freshwater algae. Chemosphere, 2020, 247, 125936.	4.2	33
18	Fluorescent silver nanoclusters stabilized in guanine-enhanced DNA hybridization for recognizing different small biological molecules. Journal of Luminescence, 2020, 221, 117038.	1.5	4

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19	DNA bioassays based on the fluorescence â€˜turn offâ€™ of silver nanocluster beacon. Luminescence, 2020, 35, 702-708.	1.5	5
20	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.	6.5	26
21	Optical Properties of Reconfigurable Polymer/Silver Nanoprism Hybrids: Tunable Color and Infrared Scattering Contrast. ACS Applied Materials & Interfaces, 2018, 10, 8976-8984.	4.0	22
22	Selective fluorescence quenching of papainâ€“Au nanoclusters by selfâ€polymerization of dopamine. Luminescence, 2018, 33, 168-173.	1.5	27
23	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.	1.7	9
24	Metabolic profiling of silver nanoparticle toxicity in Microcystis aeruginosa. Environmental Science: Nano, 2018, 5, 2519-2530.	2.2	28
25	3. Detection of light scattering signals. , 2018, , 59-81.		0
26	4. Resonance light scattering spectroscopy. , 2018, , 82-104.		0
27	5. Light scattering spectral probes of organic small molecule. , 2018, , 105-140.		0
28	6. Light scattering nanospectral probes. , 2018, , 141-180.		0
29	7. Nano light scattering spectrometry. , 2018, , 181-221.		0
30	12. Light scattering spectrometry of proteins. , 2018, , 300-322.		0
31	2. Electromagnetic wave and light scattering theory. , 2018, , 28-58.		0
32	1. Introduction to light scattering. , 2018, , 1-27.		0
33	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.	3.8	4
34	Poly(thymine)-templated copper nanoparticles as a fluorescence probe for highly selective and rapid detection of cysteine. Spectroscopy Letters, 2017, 50, 137-142.	0.5	7
35	Intensive epidermal adsorption and specific venous deposition of carboxyl quantum dots in zebrafish early-life stages. Chemosphere, 2017, 184, 44-52.	4.2	15
36	Chicken Egg White-stabilized Au Nanoclusters for Selective and Sensitive Detection of Hg(II). Analytical Sciences, 2017, 33, 671-675.	0.8	20

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37	Plasmonic platforms for colorimetric sensing of cysteine. Applied Spectroscopy Reviews, 2016, 51, 129-147.	3.4	30
38	Nanotoxicity of Silver Nanoparticles to Red Blood Cells: Size Dependent Adsorption, Uptake, and Hemolytic Activity. Chemical Research in Toxicology, 2015, 28, 501-509.	1.7	245
39	A rapid, sensitive and selective colorimetric method for detection of ascorbic acid. Sensors and Actuators B: Chemical, 2015, 221, 708-716.	4.0	85
40	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.	1.4	22
41	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.	2.0	39
42	Selective Detection of Mercury (II) by Etching the Corners of Silver Triangular Nanoplates. Spectroscopy Letters, 2014, 47, 549-553.	0.5	10
43	Cytotoxicity of cuprous oxide nanoparticles to fish blood cells: hemolysis and internalization. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	27
44	Synergistic aggregating of Au(i)â€"glutathione complex for fluorescence â€œturn-onâ€•detection of Pb(ii). Analytical Methods, 2013, 5, 5584.	1.3	19
45	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.	4.2	5
46	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.	2.6	83
47	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.	2.0	53
48	Synthesis and Characterization of a pH Fluorescence Sensor with Tunable Response Range. Chinese Journal of Analytical Chemistry, 2012, 40, 77.	0.9	0
49	Observable Temperature-Dependent Compactionâ˜Decompaction of Cationic Polythiophene in the Presence of Iodide. Journal of Physical Chemistry B, 2011, 115, 1693-1697.	1.2	14
50	Individually color-coded plasmonic nanoparticles for RGB analysis. Chemical Communications, 2011, 47, 8121.	2.2	54
51	Visual and light scattering spectrometric detections of melamine with polythymine-stabilized gold nanoparticles through specific triple hydrogen-bonding recognition. Chemical Communications, 2010, 46, 4893.	2.2	118
52	Energy transfer with gold nanoparticles for analytical applications in the fields of biochemical and pharmaceutical sciences. Analytical Methods, 2010, 2, 1439.	1.3	59
53	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.	3.2	74
54	Aptamer-Based Silver Nanoparticles Used for Intracellular Protein Imaging and Single Nanoparticle Spectral Analysis. Journal of Physical Chemistry B, 2010, 114, 3655-3659.	1.2	86

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55	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
56	Light-scattering signals from nanoparticles in biochemical assay, pharmaceutical analysis and biological imaging. TrAC - Trends in Analytical Chemistry, 2009, 28, 447-453.	5.8	71
57	A Localized Surface Plasmon Resonance Light-Scattering Assay of Mercury (II) on the Basis of Hg‹sup›2+‹/sup›â^'DNA Complex Induced Aggregation of Gold Nanoparticles. Environmental Science & Technology, 2009, 43, 5022-5027.	4.6	119
58	Visual Sandwich Immunoassay System on the Basis of Plasmon Resonance Scattering Signals of Silver Nanoparticles. Analytical Chemistry, 2009, 81, 1707-1714.	3.2	82
59	Visual colorimetric detection of berberine hydrochloride with silver nanoparticles. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 860-864.	1.4	73
60	A label-free visual immunoassay on solid support with silver nanoparticles as plasmon resonance scattering indicator. Analytical Biochemistry, 2008, 383, 168-173.	1.1	29
61	Silver Nanocubes Formed on ATP-Mediated Nafion Film and a Visual Method for Formaldehyde. Journal of Physical Chemistry B, 2008, 112, 16990-16994.	1.2	31
62	Conformational Change Detection of DNA with the Fluorogenic Reagent ofo-Phthalaldehyde-Î²-Mercaptoethanol. Journal of Physical Chemistry B, 2008, 112, 1783-1788.	1.2	26
63	Magnetic Particle-Based Sandwich Sensor with DNA-Modified Carbon Nanotubes as Recognition Elements for Detection of DNA Hybridization. Analytical Chemistry, 2008, 80, 1819-1823.	3.2	48
64	Recent Developments of the Resonance Light Scattering Technique: Technical Evolution, New Probes and Applications. Applied Spectroscopy Reviews, 2007, 42, 177-201.	3.4	51
65	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.	2.6	3