Mei-Jin Li

List of Publications by Year
in descending order

49	2,172	279798	223800
papers	citations	23 h-index	46 g-index

52	52	52	2965
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A dual-mode nanosensor based on carbon quantum dots and gold nanoparticles for discriminative detection of glutathione in human plasma. Biosensors and Bioelectronics, 2014, 56, 39-45.	10.1	278
2	Reduced graphene oxide/BiFeO3 nanohybrids-based signal-on photoelectrochemical sensing system for prostate-specific antigen detection coupling with magnetic microfluidic device. Biosensors and Bioelectronics, 2018, 101, 146-152.	10.1	246
3	Bio-bar-code-based photoelectrochemical immunoassay for sensitive detection of prostate-specific antigen using rolling circle amplification and enzymatic biocatalytic precipitation. Biosensors and Bioelectronics, 2018, 101, 159-166.	10.1	241
4	Quinoline derivative-functionalized carbon dots as a fluorescent nanosensor for sensing and intracellular imaging of Zn²⁺. Journal of Materials Chemistry B, 2014, 2, 5020-5027.	5.8	143
5	Multifunctional Ruthenium(II) Polypyridine Complex-Based Coreâ€“Shell Magnetic Silica Nanocomposites: Magnetism, Luminescence, and Electrochemiluminescence. ACS Nano, 2008, 2, 905-912.	14.6	95
6	Size-Controlled Engineering Photoelectrochemical Biosensor for Human Papillomavirus-16 Based on CRISPR-Cas12a-Induced Disassembly of Z-Scheme Heterojunctions. ACS Sensors, 2022, 7, 1593-1601.	7.8	91
7	In situ synthesis of fluorescent polydopamine nanoparticles coupled with enzyme-controlled dissolution of MnO₂ nanoflakes for a sensitive immunoassay of cancer biomarkers. Journal of Materials Chemistry B, 2017, 5, 8506-8513.	5.8	75
8	Photoelectrochemical bioanalysis of microRNA on yolk-in-shell Au@CdS based on the catalytic hairpin assembly-mediated CRISPR-Cas12a system. Chemical Communications, 2022, 58, 7562-7565.	4.1	71
9	Functionalized Rhenium(I) Complexes with Crown Ether Pendants Derived from 1,10-Phenanthroline:â€‰ Selective Sensing for Metal Ions. Organometallics, 2007, 26, 6091-6098.	2.3	64
10	High electrochemiluminescence of a new water-soluble iridium(<scp>iii</scp>) complex for determination of antibiotics. Analyst, The, 2011, 136, 205-210.	3.5	62
11	Synthesis, Structure, Photophysics, Electrochemistry, and Ion-Binding Studies of Ruthenium(II) 1,10-Phenanthroline Complexes Containing Thia-, Selena-, and Aza-Crown Pendants. Inorganic Chemistry, 2007, 46, 720-733.	4.0	61
12	CRISPR/Cas12a-based photoelectrochemical sensing of microRNA on reduced graphene oxide-anchored Bi2WO6 coupling with catalytic hairpin assembly. Sensors and Actuators B: Chemical, 2022, 369, 132307.	7.8	60
13	Ultrasensitive fluorometric biosensor based on Ti₃C₂ MXenes with Hg²⁺-triggered exonuclease III-assisted recycling amplification. Analyst, The, 2021, 146, 2664-2669.	3.5	55
14	Synthesis, characterization, DNA binding, cleavage activity and cytotoxicity of copper(<scp>ii</scp>) complexes. Dalton Transactions, 2014, 43, 2789-2798.	3.3	53
15	New Ruthenium(II) Complexes Functionalized with Coumarin Derivatives: Synthesis, Energyâ€Transferâ€Based Sensing of Esterase, Cytotoxicity, and Imaging Studies. Chemistry - A European Journal, 2012, 18, 8724-8730.	3.3	41
16	Persistent luminescence nanorods-based autofluorescence-free biosensor for prostate-specific antigen detection. Talanta, 2021, 233, 122563.	5.5	37
17	Selective recognition of homocysteine and cysteine based on new ruthenium(II) complexes. Journal of Inorganic Biochemistry, 2011, 105, 420-425.	3.5	36
18	Magnetic graphene oxide-based electrochemiluminescent aptasensor for thrombin. Electrochimica Acta, 2013, 89, 13-17.	5.2	31

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19	Synthesis, Characterization, Spectroscopic, and Electrochemiluminescence Properties of a Solvatochromic Azacrown-Containing Cyanoruthenate(II): Potential Applications in Separation and Indirect Photometric Detection of Cations and Amino Acids in HPLC. Chemistry - A European Journal, 2006, 12, 3528-3537.	3.3	30
20	Electrochemiluminescence of Ruthenium(II) Complexes Functionalized with Crown Ether Pendants and Effects of Cation Binding. Inorganic Chemistry, 2008, 47, 1218-1223.	4.0	30
21	Waterâ€Soluble and Biocompatible Cyclometalated Iridium(III) Complexes: Synthesis, Luminescence and Sensing Application. European Journal of Inorganic Chemistry, 2011, 2011, 197-200.	2.0	28
22	Synthesis, characterization, and DNA binding of a novel ligand and its Cu(II) complex. Journal of Biological Inorganic Chemistry, 2013, 18, 993-1003.	2.6	26
23	Signal-on photoelectrochemical immunoassay mediated by the etching reaction of oxygen/phosphorus co-doped g-C3N4/AgBr/MnO2 nanohybrids. Analytica Chimica Acta, 2021, 1171, 338680.	5.4	26
24	Colorimetric and luminescent bifunctional Ru(<scp>ii</scp>) complexes for rapid and highly sensitive recognition of cyanide. Dalton Transactions, 2014, 43, 11745-11751.	3.3	25
25	Digital multimeter-based point-of-care immunoassay of prostate- specific antigen coupling with a flexible photosensitive pressure sensor. Sensors and Actuators B: Chemical, 2021, 343, 130121.	7.8	23
26	Barbituric acid-modified graphitic carbon nitride nanosheets for ratiometric fluorescent detection of Cu²⁺. Analyst, The, 2018, 143, 1609-1614.	3.5	20
27	Ultrasensitive photoelectrochemical immunoassay for prostate-specific antigen based on silver nanoparticle-triggered ion-exchange reaction with ZnO/CdS nanorods. Analyst, The, 2021, 146, 4487-4494.	3.5	19
28	Hydroxyl and amino functionalized cyclometalated Ir(III) complexes: Synthesis, characterization and cytotoxicity studies. Journal of Organometallic Chemistry, 2015, 791, 175-182.	1.8	18
29	Coumarin-modified gold nanoprobes for the sensitive detection of caspase-3. RSC Advances, 2015, 5, 43824-43830.	3.6	18
30	A luminescent and colorimetric probe based on the functionalization of gold nanoparticles by ruthenium(<scp>ii</scp>) complexes for heparin detection. Analyst, The, 2017, 142, 3733-3739.	3.5	15
31	Synthesis, structure, photophysics and electrochemiluminescence of Re(i) tricarbonyl complexes with cationic 2,2-bipyridyl ligands. Dalton Transactions, 2012, 41, 10612.	3.3	14
32	Silica nanoparticles doped with an iridium(III) complex for rapid and fluorometric detection of cyanide. Mikrochimica Acta, 2015, 182, 2561-2566.	5.0	14
33	Colorimetric and luminescent bifunctional Ru(II) complex-modified gold nano probe for sensing of DNA. Biosensors and Bioelectronics, 2011, 29, 109-114.	10.1	12
34	Solid-state electrochemiluminescence of two iridium(III) complexes. Journal of Electroanalytical Chemistry, 2013, 702, 25-30.	3.8	12
35	Iridium(III) and gadolinium(III) loaded and peptide-modified silica nanoparticles for photoluminescence and magnetic resonance (dual) imaging. Materials Science and Engineering C, 2019, 104, 109972.	7.3	12
36	Grafting polyethylenimine with quinoline derivatives for targeted imaging of intracellular Zn 2+ and logic gate operations. Materials Science and Engineering C, 2016, 69, 561-568.	7.3	11

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37	The functionalized ruthenium(II) polypyridine complexes for the highly selective sensing of mercury ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 141-146.	3.9	10
38	Amino group-driven distinguishing homocysteine from cysteine and glutathione in photoluminesecent signal of the iridium(III) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120167.	3.9	9
39	Synthesis and electrochemiluminescence studies of tricarbonylrhenium(I) complexes with a cationic 2,2â€²-bipyridyl ligand. Electrochimica Acta, 2011, 56, 9344-9349.	5.2	8
40	Sensitive determination of lysozyme by using a luminescent and colorimetric probe based on the aggregation of gold nanoparticles induced by an anionic ruthenate(II) complex. Mikrochimica Acta, 2018, 185, 428.	5.0	8
41	Long-Range, Polymer Chain Dynamics of a â€œStiffâ€•Polymer. Fluorescence from Poly(isobutylene-alt-maleic anhydride) with N-(1-Pyrenylmethyl)succinimide Groups. Macromolecules, 2017, 50, 3396-3403.	4.8	7
42	Gold nanoparticles functionalized with Ru(II)bipyridyl labeled DNA as a luminescent probe for the sensitive determination of DNase I. Mikrochimica Acta, 2017, 184, 3273-3279.	5.0	7
43	Design and synthesis of cyclometalated Ir(III) complex with thioether groups for highly selective recognition of mercury ions. Journal of Organometallic Chemistry, 2021, 942, 121808.	1.8	7
44	Aldehyde group functionalized iridium(III) complexes for the selective sensing of homocysteine. Journal of Organometallic Chemistry, 2019, 898, 120874.	1.8	6
45	Colorimetric and luminescent bifunctional iridium(III) complexes for the sensitive recognition of cyanide ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 904-909.	3.9	5
46	An Ir(III) complex capable of discriminating homocysteine from cysteine and glutathione with luminescent signal and imaging studies. Talanta, 2021, 221, 121428.	5.5	4
47	Coupling coumarin to gold nanoparticles by DNA chains for sensitive detection of DNase I. Analytical Biochemistry, 2018, 555, 50-54.	2.4	3
48	Synthesis and electrochemiluminescence of a new iridium(III) complex. Inorganic Chemistry Communication, 2019, 105, 163-165.	3.9	3
49	Simple and Selective Sensing of Cysteine Using Gold Nanoparticles Modified by Ruthenium(II) Complexes. Journal of Nanoscience and Nanotechnology, 2011, 11, 3578-3585.	0.9	2