

# Mei-Jin Li

## List of Publications by Year in descending order

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49  
papers

2,172  
citations

279798

23  
h-index

223800

46  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Controlled Engineering Photoelectrochemical Biosensor for Human Papillomavirus-16 Based on CRISPR-Cas12a-Induced Disassembly of Z-Scheme Heterojunctions. <i>ACS Sensors</i> , 2022, 7, 1593-1601.	7.8	91
2	Photoelectrochemical bioanalysis of microRNA on yolk-in-shell Au@CdS based on the catalytic hairpin assembly-mediated CRISPR-Cas12a system. <i>Chemical Communications</i> , 2022, 58, 7562-7565.	4.1	71
3	CRISPR/Cas12a-based photoelectrochemical sensing of microRNA on reduced graphene oxide-anchored Bi <sub>2</sub> WO <sub>6</sub> coupling with catalytic hairpin assembly. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132307.	7.8	60
4	An Ir(III) complex capable of discriminating homocysteine from cysteine and glutathione with luminescent signal and imaging studies. <i>Talanta</i> , 2021, 221, 121428.	5.5	4
5	Ultrasensitive fluorometric biosensor based on Ti <sub>3</sub> C <sub>2</sub> MXenes with Hg <sup>2+</sup> -triggered exonuclease III-assisted recycling amplification. <i>Analyst</i> , The, 2021, 146, 2664-2669.	3.5	55
6	Design and synthesis of cyclometalated Ir(III) complex with thioether groups for highly selective recognition of mercury ions. <i>Journal of Organometallic Chemistry</i> , 2021, 942, 121808.	1.8	7
7	Signal-on photoelectrochemical immunoassay mediated by the etching reaction of oxygen/phosphorus co-doped g-C <sub>3</sub> N <sub>4</sub> /AgBr/MnO <sub>2</sub> nanohybrids. <i>Analytica Chimica Acta</i> , 2021, 1171, 338680.	5.4	26
8	Digital multimeter-based point-of-care immunoassay of prostate-specific antigen coupling with a flexible photosensitive pressure sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130121.	7.8	23
9	Persistent luminescence nanorods-based autofluorescence-free biosensor for prostate-specific antigen detection. <i>Talanta</i> , 2021, 233, 122563.	5.5	37
10	Amino group-driven distinguishing homocysteine from cysteine and glutathione in photoluminescent signal of the iridium(III) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120167.	3.9	9
11	Ultrasensitive photoelectrochemical immunoassay for prostate-specific antigen based on silver nanoparticle-triggered ion-exchange reaction with ZnO/CdS nanorods. <i>Analyst</i> , The, 2021, 146, 4487-4494.	3.5	19
12	Iridium(III) and gadolinium(III) loaded and peptide-modified silica nanoparticles for photoluminescence and magnetic resonance (dual) imaging. <i>Materials Science and Engineering C</i> , 2019, 104, 109972.	7.3	12
13	Aldehyde group functionalized iridium(III) complexes for the selective sensing of homocysteine. <i>Journal of Organometallic Chemistry</i> , 2019, 898, 120874.	1.8	6
14	Synthesis and electrochemiluminescence of a new iridium(III) complex. <i>Inorganic Chemistry Communication</i> , 2019, 105, 163-165.	3.9	3
15	The functionalized ruthenium(II) polypyridine complexes for the highly selective sensing of mercury ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 141-146.	3.9	10
16	Barbituric acid-modified graphitic carbon nitride nanosheets for ratiometric fluorescent detection of Cu <sup>2+</sup> . <i>Analyst</i> , The, 2018, 143, 1609-1614.	3.5	20
17	Bio-bar-code-based photoelectrochemical immunoassay for sensitive detection of prostate-specific antigen using rolling circle amplification and enzymatic biocatalytic precipitation. <i>Biosensors and Bioelectronics</i> , 2018, 101, 159-166.	10.1	241
18	Reduced graphene oxide/BiFeO <sub>3</sub> nanohybrids-based signal-on photoelectrochemical sensing system for prostate-specific antigen detection coupling with magnetic microfluidic device. <i>Biosensors and Bioelectronics</i> , 2018, 101, 146-152.	10.1	246

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19	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. <i>Mikrochimica Acta</i> , 2018, 185, 428.	5.0	8
20	Coupling coumarin to gold nanoparticles by DNA chains for sensitive detection of DNase I. <i>Analytical Biochemistry</i> , 2018, 555, 50-54.	2.4	3
21	Long-Range, Polymer Chain Dynamics of a Stiff Polymer. Fluorescence from Poly(isobutylene- <i>alt</i> -maleic anhydride) with <i>N</i> -(1-Pyrenylmethyl)succinimide Groups. <i>Macromolecules</i> , 2017, 50, 3396-3403.	4.8	7
22	Gold nanoparticles functionalized with Ru(II)bipyridyl labeled DNA as a luminescent probe for the sensitive determination of DNase I. <i>Mikrochimica Acta</i> , 2017, 184, 3273-3279.	5.0	7
23	In situ synthesis of fluorescent polydopamine nanoparticles coupled with enzyme-controlled dissolution of MnO <sub>2</sub> nanoflakes for a sensitive immunoassay of cancer biomarkers. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8506-8513.	5.8	75
24	A luminescent and colorimetric probe based on the functionalization of gold nanoparticles by ruthenium(II) complexes for heparin detection. <i>Analyst</i> , 2017, 142, 3733-3739.	3.5	15
25	Colorimetric and luminescent bifunctional iridium(III) complexes for the sensitive recognition of cyanide ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 904-909.	3.9	5
26	Grafting polyethylenimine with quinoline derivatives for targeted imaging of intracellular Zn <sup>2+</sup> and logic gate operations. <i>Materials Science and Engineering C</i> , 2016, 69, 561-568.	7.3	11
27	Hydroxyl and amino functionalized cyclometalated Ir(III) complexes: Synthesis, characterization and cytotoxicity studies. <i>Journal of Organometallic Chemistry</i> , 2015, 791, 175-182.	1.8	18
28	Coumarin-modified gold nanoprobe for the sensitive detection of caspase-3. <i>RSC Advances</i> , 2015, 5, 43824-43830.	3.6	18
29	Silica nanoparticles doped with an iridium(III) complex for rapid and fluorometric detection of cyanide. <i>Mikrochimica Acta</i> , 2015, 182, 2561-2566.	5.0	14
30	Quinoline derivative-functionalized carbon dots as a fluorescent nanosensor for sensing and intracellular imaging of Zn <sup>2+</sup> . <i>Journal of Materials Chemistry B</i> , 2014, 2, 5020-5027.	5.8	143
31	Synthesis, characterization, DNA binding, cleavage activity and cytotoxicity of copper(II) complexes. <i>Dalton Transactions</i> , 2014, 43, 2789-2798.	3.3	53
32	Colorimetric and luminescent bifunctional Ru(II) complexes for rapid and highly sensitive recognition of cyanide. <i>Dalton Transactions</i> , 2014, 43, 11745-11751.	3.3	25
33	A dual-mode nanosensor based on carbon quantum dots and gold nanoparticles for discriminative detection of glutathione in human plasma. <i>Biosensors and Bioelectronics</i> , 2014, 56, 39-45.	10.1	278
34	Synthesis, characterization, and DNA binding of a novel ligand and its Cu(II) complex. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 993-1003.	2.6	26
35	Magnetic graphene oxide-based electrochemiluminescent aptasensor for thrombin. <i>Electrochimica Acta</i> , 2013, 89, 13-17.	5.2	31
36	Solid-state electrochemiluminescence of two iridium(III) complexes. <i>Journal of Electroanalytical Chemistry</i> , 2013, 702, 25-30.	3.8	12

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37	Synthesis, structure, photophysics and electrochemiluminescence of Re(I) tricarbonyl complexes with cationic 2,2'-bipyridyl ligands. <i>Dalton Transactions</i> , 2012, 41, 10612.	3.3	14
38	New Ruthenium(II) Complexes Functionalized with Coumarin Derivatives: Synthesis, Energy Transfer-Based Sensing of Esterase, Cytotoxicity, and Imaging Studies. <i>Chemistry - A European Journal</i> , 2012, 18, 8724-8730.	3.3	41
39	High electrochemiluminescence of a new water-soluble iridium(III) complex for determination of antibiotics. <i>Analyst</i> , 2011, 136, 205-210.	3.5	62
40	Synthesis and electrochemiluminescence studies of tricarbonylrhenium(I) complexes with a cationic 2,2'-bipyridyl ligand. <i>Electrochimica Acta</i> , 2011, 56, 9344-9349.	5.2	8
41	Colorimetric and luminescent bifunctional Ru(II) complex-modified gold nano probe for sensing of DNA. <i>Biosensors and Bioelectronics</i> , 2011, 29, 109-114.	10.1	12
42	Water-Soluble and Biocompatible Cyclometalated Iridium(III) Complexes: Synthesis, Luminescence and Sensing Application. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 197-200.	2.0	28
43	Selective recognition of homocysteine and cysteine based on new ruthenium(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 420-425.	3.5	36
44	Simple and Selective Sensing of Cysteine Using Gold Nanoparticles Modified by Ruthenium(II) Complexes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3578-3585.	0.9	2
45	Multifunctional Ruthenium(II) Polypyridine Complex-Based Core-Shell Magnetic Silica Nanocomposites: Magnetism, Luminescence, and Electrochemiluminescence. <i>ACS Nano</i> , 2008, 2, 905-912.	14.6	95
46	Electrochemiluminescence of Ruthenium(II) Complexes Functionalized with Crown Ether Pendants and Effects of Cation Binding. <i>Inorganic Chemistry</i> , 2008, 47, 1218-1223.	4.0	30
47	Synthesis, Structure, Photophysics, Electrochemistry, and Ion-Binding Studies of Ruthenium(II) 1,10-Phenanthroline Complexes Containing Thia-, Seleno-, and Aza-Crown Pendants. <i>Inorganic Chemistry</i> , 2007, 46, 720-733.	4.0	61
48	Functionalized Rhenium(I) Complexes with Crown Ether Pendants Derived from 1,10-Phenanthroline: Selective Sensing for Metal Ions. <i>Organometallics</i> , 2007, 26, 6091-6098.	2.3	64
49	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. <i>Chemistry - A European Journal</i> , 2006, 12, 3528-3537.	3.3	30