

Bin Liu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

4,195
citations

21
h-index

53
g-index

53
ext. papers

4,834
ext. citations

8.6
avg, IF

6.04
L-index

#	Paper	IF	Citations
51	Specific light-up bioprobes based on AIEgen conjugates. <i>Chemical Society Reviews</i> , 2015 , 44, 2798-811	58.5	576
50	Biocompatible Nanoparticles with Aggregation-Induced Emission Characteristics as Far-Red/Near-Infrared Fluorescent Bioprobes for In Vitro and In Vivo Imaging Applications. <i>Advanced Functional Materials</i> , 2012 , 22, 771-779	15.6	545
49	Photosensitizers with Aggregation-Induced Emission: Materials and Biomedical Applications. <i>Advanced Materials</i> , 2018 , 30, e1801350	24	388
48	Aggregation-induced emission: fundamental understanding and future developments. <i>Materials Horizons</i> , 2019 , 6, 428-433	14.4	359
47	Specific detection of integrin $\alpha\beta$ by light-up bioprobe with aggregation-induced emission characteristics. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9569-72	16.4	353
46	Tuning the singlet-triplet energy gap: a unique approach to efficient photosensitizers with aggregation-induced emission (AIE) characteristics. <i>Chemical Science</i> , 2015 , 6, 5824-5830	9.4	308
45	A Highly Efficient and Photostable Photosensitizer with Near-Infrared Aggregation-Induced Emission for Image-Guided Photodynamic Anticancer Therapy. <i>Advanced Materials</i> , 2017 , 29, 1700548	24	280
44	Bright and Photostable Organic Fluorescent Dots with Aggregation-Induced Emission Characteristics for Noninvasive Long-Term Cell Imaging. <i>Advanced Functional Materials</i> , 2014 , 24, 635-643	15.6	195
43	Targeted and image-guided photodynamic cancer therapy based on organic nanoparticles with aggregation-induced emission characteristics. <i>Chemical Communications</i> , 2014 , 50, 8757-60	5.8	168
42	A fluorescent light-up probe with "AIE + ESIPT" characteristics for specific detection of lysosomal esterase. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3438-3442	7.3	156
41	A Molecular Brush Approach to Enhance Quantum Yield and Suppress Nonspecific Interactions of Conjugated Polyelectrolyte for Targeted Far-Red/Near-Infrared Fluorescence Cell Imaging. <i>Advanced Functional Materials</i> , 2010 , 20, 2770-2777	15.6	126
40	Rational Design of a Red-Emissive Fluorophore with AIE and ESIPT Characteristics and Its Application in Light-Up Sensing of Esterase. <i>Analytical Chemistry</i> , 2017 , 89, 3162-3168	7.8	112
39	Membrane-Anchoring Photosensitizer with Aggregation-Induced Emission Characteristics for Combating Multidrug-Resistant Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 632-636	16.4	81
38	Multicolor monitoring of cellular organelles by single wavelength excitation to visualize the mitophagy process. <i>Chemical Science</i> , 2018 , 9, 2756-2761	9.4	78
37	The photochromism, light harvesting and self-assembly activity of a multi-function Schiff-base compound based on the AIE effect. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4057-4064	7.1	47
36	Aggregation-induced emission activity and further Cu ²⁺ -induced self-assembly process of two Schiff compounds. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 554-562	8.5	42
35	Naphthol-based fluorescent sensors for aluminium ion and application to bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 168, 98-103	4.4	41

34	Biocompatible flavone-based fluorogenic probes for quick wash-free mitochondrial imaging in living cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21638-44	9.5	36
33	Aggregation and deaggregation of rhodamine fluorescent probe for sequential recognition of Hg(II) and Cys with green emission. <i>Sensors and Actuators B: Chemical</i> , 2016 , 228, 94-100	8.5	24
32	Probing chromium(III) from chromium(VI) in cells by a fluorescent sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 153, 505-9	4.4	22
31	Two colorimetric and ratiometric fluorescence probes for hydrogen sulfide based on AIE strategy of Cyanostilbenes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 199, 117-122	4.4	21
30	Biomimetic Self-Assembly of Co-Seamed Hexameric Metal-Organic Nanocapsules. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9151-9154	16.4	16
29	Achieving highly sensitive detection of Cu based on AIE and FRET strategy in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 211, 272-279	4.4	16
28	Dual sites fluorescence probe for H ₂ S and Hg ²⁺ with AIE transformers function. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126670	8.5	15
27	Synthesis, characterization and properties of chromium(III) complex [Cr(SA)(en) ₂]Cl.2H ₂ O. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 1462-9	4.2	15
26	Assembly and disassembly activity of two AIEE model compounds and its potential application. <i>Talanta</i> , 2018 , 184, 394-403	6.2	14
25	Chemical properties and biotoxicity of several chromium picolinate derivatives. <i>Journal of Inorganic Biochemistry</i> , 2016 , 164, 110-118	4.2	14
24	Near-infrared AIEgens for lipid droplets imaging in corpus adiposum or trachea of <i>Locusta migratoria</i> and its application in photodynamic therapy. <i>Sensors and Actuators B: Chemical</i> , 2020 , 322, 128589	8.5	13
23	Application of nanodiamonds in Cu(II)-based rhodamine B probes for NO detection and cell imaging. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3358-3364	7.3	12
22	To re-evaluate the emission mechanism, AIE activity of 5-azidofluorescein and its reaction with H ₂ S and NO. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 79-88	8.5	11
21	Tunable NIR AIE-active optical materials for lipid droplet imaging in typical model organisms and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2417-2427	7.3	11
20	Synthesis, structure, chemical and bioactivity behavior of eight chromium(III) picolinate derivatives Cr(R-pic) ₃ . <i>Inorganica Chimica Acta</i> , 2017 , 466, 151-159	2.7	10
19	Rational construction of AIEgens with wide color tunability and their specific lipid droplet imaging applications. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9533-9543	7.3	10
18	Salen and [Al(salen)(H ₂ O) ₂] ⁺ : The combination model of organic AIEgen and metal complex self-assembly. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 794-802	8.5	9
17	Two novel Cr(III) complexes [Cr(SA) ₂ (en)]TBA and [Cr(SA)(en) ₂]Br: Synthesis, characterization and spectral studies. <i>Inorganic Chemistry Communication</i> , 2013 , 30, 163-167	3.1	8

16	Effect of substituent groups (R= CH ₃ , Br and CF ₃) on the structure, stability and redox property of [Cr(R-pic) ₂ (H ₂ O) ₂] ⁺ NO ₃ ⁻ complexes. <i>Journal of Molecular Structure</i> , 2017 , 1150, 307-315	3.4	8
15	Structure, photochemistry and magnetic properties of tetrahydrogenated Schiff base chromium(III) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 140, 437-43	4.4	8
14	Synthesis, structure, stability and DNA cleavage activities of three Cr(III) complexes with salicylate and ammonium ligands. <i>Inorganic Chemistry Communication</i> , 2015 , 52, 27-30	3.1	7
13	A TICT/AIE based fluorescent probe for ultrafast response of hypochlorite in living cells and mouse. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 256, 119735	4.4	7
12	Novel CdS/MOF Cathodic Photoelectrochemical (PEC) Platform for the Detection of Doxorubicin Hydrochloride and Gentamicin Sulfate. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57497-57504	9.5	6
11	Effects of salicylate derivate on the competing reaction of chromium(III) complex [Cr(III)(R-SA)(en) ₂]Cl with apoovotransferrin. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 1249-1252	3.1	5
10	Dual sites fluorescence probe for hydrogen sulfide: AIEE activity and supramolecular assembly with Cyclodextrin. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 743-749	8.5	5
9	Fabricating a fluorescence resonance energy transfer system with AIE molecular for sensitive detection of Cu(II) ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 225, 117604	4.4	4
8	Near-infrared dual-functional AIEgens for lipid droplets imaging in multispecies and photodynamic therapy. <i>Dyes and Pigments</i> , 2021 , 185, 108884	4.6	4
7	Fluorometric probe for the lipase level: Design, mechanism and biological imaging application. <i>Talanta</i> , 2021 , 225, 121948	6.2	3
6	Synthesis, biological activity and toxicity of chromium(III) metformin complex as potential insulin-mimetic agent in C57BL/6 mice. <i>Journal of Coordination Chemistry</i> , 2018 , 71, 1526-1541	1.6	2
5	A simple strategy for constructing PET fluorescent probe and its application in hypochlorite detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 258, 119827	4.4	2
4	A stable hydrazine click fluorescent probe based on photo switch. <i>Dyes and Pigments</i> , 2021 , 186, 108983	4.6	1
3	Fabrication of CdS/C3N5 photocatalyst for enhanced H ₂ production. <i>Composite Interfaces</i> , 1-15	2.3	1
2	Potential antidiabetic molecule involving a new chromium(III) complex of dipicolinic and metformin as a counter ion: Synthesis, structure, spectroscopy, and bioactivity in mice. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103236	5.9	0
1	Probing Cr(III) from Cr(pic) ₃ derivatives in living cell by two rhodamine B-based AIEgens. <i>Inorganic Chemistry Communication</i> , 2021 , 128, 108579	3.1	