

Bin Liu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/835275/bin-liu-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | 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 |
| 50 | 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 | |
| 49 | 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 |
| 48 | A stable hydrazine click fluorescent probe based on photo switch. <i>Dyes and Pigments</i> , 2021 , 186, 108983 | 4.6 | 1 |
| 47 | Fluorometric probe for the lipase level: Design, mechanism and biological imaging application. <i>Talanta</i> , 2021 , 225, 121948 | 6.2 | 3 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | Aggregation-induced emission: fundamental understanding and future developments. <i>Materials Horizons</i> , 2019 , 6, 428-433 | 14.4 | 359 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |

| | | | |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 34 | Dual sites fluorescence probe for hydrogen sulfide: AIEE activity and supramolecular assembly with β -cyclodextrin. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 743-749 | 8.5 | 5 |
| 33 | 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 |
| 32 | 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 |
| 31 | Assembly and disassembly activity of two AIEE model compounds and its potential application. <i>Talanta</i> , 2018 , 184, 394-403 | 6.2 | 14 |
| 30 | 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 |
| 29 | To re-evaluate the emission mechanism, AIE activity of 5-azido fluorescein and its reaction with H ₂ S and NO. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 79-88 | 8.5 | 11 |
| 28 | Photosensitizers with Aggregation-Induced Emission: Materials and Biomedical Applications. <i>Advanced Materials</i> , 2018 , 30, e1801350 | 24 | 388 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 ·2H ₂ O complexes. <i>Journal of Molecular Structure</i> , 2017 , 1150, 307-315 | 3.4 | 8 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |

| | | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| 16 | Chemical properties and biotoxicity of several chromium picolinate derivatives. <i>Journal of Inorganic Biochemistry</i> , 2016 , 164, 110-118 | 4.2 | 14 |
| 15 | 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 |
| 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 | Specific light-up bioprobes based on AIEgen conjugates. <i>Chemical Society Reviews</i> , 2015 , 44, 2798-811 | 58.5 | 576 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | Specific detection of integrin $\alpha_5\beta_1$ by light-up bioprobe with aggregation-induced emission characteristics. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9569-72 | 16.4 | 353 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | Fabrication of CdS/C ₃ N ₅ photocatalyst for enhanced H ₂ production. <i>Composite Interfaces</i> , 1-15 | 2.3 | 1 |