

# Xiaolei Cai

## List of Publications by Year in descending order

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33  
papers

2,728  
citations

236833

25  
h-index

360920

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

3135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation-Induced Emission: Recent Advances in Materials and Biomedical Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9868-9886.	7.2	483
2	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.	3.7	406
3	Bioorthogonal Turn-On Probe Based on Aggregation-Induced Emission Characteristics for Cancer Cell Imaging and Ablation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6457-6461.	7.2	178
4	A Light-Up Probe with Aggregation-Induced Emission for Real-Time Bio-Orthogonal Tumor Labeling and Image-Guided Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10182-10186.	7.2	160
5	A Porphyrin-Based Conjugated Polymer for Highly Efficient In Vitro and In Vivo Photothermal Therapy. <i>Small</i> , 2016, 12, 6243-6254.	5.2	137
6	Multifunctional Liposome: A Bright AIEgen-Lipid Conjugate with Strong Photosensitization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16396-16400.	7.2	105
7	Rational design of asymmetric red fluorescent probes for live cell imaging with high AIE effects and large two-photon absorption cross sections using tunable terminal groups. <i>Chemical Science</i> , 2016, 7, 4527-4536.	3.7	97
8	Aggregation-Induced Emission: Recent Advances in Materials and Biomedical Applications. <i>Angewandte Chemie</i> , 2020, 132, 9952-9970.	1.6	96
9	Highly efficient photosensitizers with aggregation-induced emission characteristics obtained through precise molecular design. <i>Chemical Communications</i> , 2017, 53, 8727-8730.	2.2	94
10	Multicolor monitoring of cellular organelles by single wavelength excitation to visualize the mitophagy process. <i>Chemical Science</i> , 2018, 9, 2756-2761.	3.7	92
11	Biocompatible Green and Red Fluorescent Organic Dots with Remarkably Large Two-Photon Action Cross Sections for Targeted Cellular Imaging and Real-Time Intravital Blood Vascular Visualization. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 14965-14974.	4.0	86
12	Organic molecules with propeller structures for efficient photoacoustic imaging and photothermal ablation of cancer cells. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1556-1562.	3.2	85
13	Biocompatible Red Fluorescent Organic Nanoparticles with Tunable Size and Aggregation-Induced Emission for Evaluation of Blood-Brain Barrier Damage. <i>Advanced Materials</i> , 2016, 28, 8760-8765.	11.1	80
14	ONOO <sup>-</sup> and ClO <sup>-</sup> Responsive Organic Nanoparticles for Specific in Vivo Image-Guided Photodynamic Bacterial Ablation. <i>Chemistry of Materials</i> , 2018, 30, 3867-3873.	3.2	64
15	Real-Time Specific Light-Up Sensing of Transferrin Receptor: Image-Guided Photodynamic Ablation of Cancer Cells through Controlled Cytomembrane Disintegration. <i>Analytical Chemistry</i> , 2016, 88, 4841-4848.	3.2	53
16	Identifying glioblastoma margins using dual-targeted organic nanoparticles for efficient in vivo fluorescence image-guided photothermal therapy. <i>Materials Horizons</i> , 2019, 6, 311-317.	6.4	53
17	A Light-Up Probe with Aggregation-Induced Emission for Real-Time Bio-Orthogonal Tumor Labeling and Image-Guided Photodynamic Therapy. <i>Angewandte Chemie</i> , 2018, 130, 10339-10343.	1.6	52
18	Encapsulated Conjugated Oligomer Nanoparticles for Real-Time Photoacoustic Sentinel Lymph Node Imaging and Targeted Photothermal Therapy. <i>Small</i> , 2016, 12, 4873-4880.	5.2	48

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19	Bioorthogonal Turn-On Probe Based on Aggregation-Induced Emission Characteristics for Cancer Cell Imaging and Ablation. <i>Angewandte Chemie</i> , 2016, 128, 6567-6571.	1.6	41
20	Nanotraps for the containment and clearance of SARS-CoV-2. <i>Matter</i> , 2021, 4, 2059-2082.	5.0	38
21	Molecular Engineering of Photoacoustic Performance by Chalcogenide Variation in Conjugated Polymer Nanoparticles for Brain Vascular Imaging. <i>Small</i> , 2018, 14, e1703732.	5.2	37
22	A light-up endoplasmic reticulum probe based on a rational design of red-emissive fluorogens with aggregation-induced emission. <i>Chemical Communications</i> , 2017, 53, 10792-10795.	2.2	31
23	Organic Nanoparticles with Aggregation-Induced Emission for Bone Marrow Stromal Cell Tracking in a Rat PTI Model. <i>Small</i> , 2016, 12, 6576-6585.	5.2	29
24	Multifunctional Liposome: A Bright AIEgen-Lipid Conjugate with Strong Photosensitization. <i>Angewandte Chemie</i> , 2018, 130, 16634-16638.	1.6	28
25	Photoacoustic and Magnetic Resonance Imaging Bimodal Contrast Agent Displaying Amplified Photoacoustic Signal. <i>Small</i> , 2018, 14, e1800652.	5.2	27
26	Galactose functionalized diketopyrrolopyrrole as NIR fluorescent probes for lectin detection and HepG2 cell targeting based on aggregation-induced emission mechanism. <i>Science China Chemistry</i> , 2018, 61, 898-908.	4.2	25
27	Organic nanoparticles with ultrahigh quantum yield and aggregation-induced emission characteristics for cellular imaging and real-time two-photon lung vasculature imaging. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2630-2636.	2.9	19
28	Aggregation-induced emission (AIE) nanoparticles labeled human embryonic stem cells (hESCs)-derived neurons for transplantation. <i>Biomaterials</i> , 2021, 271, 120747.	5.7	16
29	A Multifunctional Neutralizing Antibody-Conjugated Nanoparticle Inhibits and Inactivates SARS-CoV-2. <i>Advanced Science</i> , 2022, 9, e2103240.	5.6	16
30	Organic Mitoprobes based on Fluorogens with Aggregation-Induced Emission. <i>Israel Journal of Chemistry</i> , 2018, 58, 860-873.	1.0	13
31	Remote Floating-Gate Field-Effect Transistor with 2-Dimensional Reduced Graphene Oxide Sensing Layer for Reliable Detection of SARS-CoV-2 Spike Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24187-24196.	4.0	10
32	Photothermal-Activatable Liposome Carrying Tissue Plasminogen Activator for Photoacoustic Image-Guided Ischemic Stroke Treatment. <i>Small Structures</i> , 2022, 3, 2100118.	6.9	5
33	Organometallic Conjugated Polyelectrolytes: Synthesis and Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 27-36.	1.9	3