

Sijie Chen

List of Publications by Year in descending order

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89
papers

6,514
citations

81743

39
h-index

64668

79
g-index

90
all docs

90
docs citations

90
times ranked

6603
citing authors

#	ARTICLE	IF	CITATIONS
1	A Photostable AIE Luminogen for Specific Mitochondrial Imaging and Tracking. <i>Journal of the American Chemical Society</i> , 2013, 135, 62-65.	6.6	695
2	Full-Range Intracellular pH Sensing by an Aggregation-Induced Emission-Active Two-Channel Ratiometric Fluorogen. <i>Journal of the American Chemical Society</i> , 2013, 135, 4926-4929.	6.6	394
3	Long-Term Fluorescent Cellular Tracing by the Aggregates of AIE Bioconjugates. <i>Journal of the American Chemical Society</i> , 2013, 135, 8238-8245.	6.6	357
4	Monitoring and Inhibition of Insulin Fibrillation by a Small Organic Fluorogen with Aggregation-Induced Emission Characteristics. <i>Journal of the American Chemical Society</i> , 2012, 134, 1680-1689.	6.6	351
5	Cytophilic Fluorescent Bioprobes for Long-Term Cell Tracking. <i>Advanced Materials</i> , 2011, 23, 3298-3302.	11.1	238
6	Benzothiazolium-functionalized tetraphenylethene: an AIE luminogen with tunable solid-state emission. <i>Chemical Communications</i> , 2012, 48, 8637.	2.2	205
7	Synthesis, solvatochromism, aggregation-induced emission and cell imaging of tetraphenylethene-containing BODIPY derivatives with large Stokes shifts. <i>Chemical Communications</i> , 2012, 48, 10099.	2.2	204
8	Fluorescent pH sensor constructed from a heteroatom-containing luminogen with tunable AIE and ICT characteristics. <i>Chemical Science</i> , 2013, 4, 3725.	3.7	198
9	Fabrication of fluorescent nanoparticles based on AIE luminogens (AIE dots) and their applications in bioimaging. <i>Materials Horizons</i> , 2016, 3, 283-293.	6.4	193
10	Self-Reporting and Photothermally Enhanced Rapid Bacterial Killing on a Laser-Induced Graphene Mask. <i>ACS Nano</i> , 2020, 14, 12045-12053.	7.3	191
11	Fluorogenic Zn(II) and Chromogenic Fe(II) Sensors Based on Terpyridine-Substituted Tetraphenylethenes with Aggregation-Induced Emission Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3411-3418.	4.0	189
12	An AIE-active hemicyanine fluorogen with stimuli-responsive red/blue emission: extending the pH sensing range by a "switch + knob" effect. <i>Chemical Science</i> , 2012, 3, 1804.	3.7	171
13	Aggregation-induced red-NIR emission organic nanoparticles as effective and photostable fluorescent probes for bioimaging. <i>Journal of Materials Chemistry</i> , 2012, 22, 15128.	6.7	170
14	Tetraphenylethenyl-modified perylene bisimide: aggregation-induced red emission, electrochemical properties and ordered microstructures. <i>Journal of Materials Chemistry</i> , 2012, 22, 7387.	6.7	154
15	A red emitting mitochondria-targeted AIE probe as an indicator for membrane potential and mouse sperm activity. <i>Chemical Communications</i> , 2015, 51, 13599-13602.	2.2	136
16	Defect-sensitive crystals based on diaminomaleonitrile-functionalized Schiff base with aggregation-enhanced emission. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7314.	2.7	124
17	Light-Enhanced Bacterial Killing and Wash-Free Imaging Based on AIE Fluorogen. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7180-7188.	4.0	120
18	A Luminogen with Aggregation-Induced Emission Characteristics for Wash-Free Bacterial Imaging, High-Throughput Antibiotics Screening and Bacterial Susceptibility Evaluation. <i>Advanced Materials</i> , 2015, 27, 4931-4937.	11.1	111

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19	Highly Fluorescent and Photostable Probe for Long-Term Bacterial Viability Assay Based on Aggregation-Induced Emission. <i>Advanced Healthcare Materials</i> , 2014, 3, 88-96.	3.9	105
20	Real-time monitoring of the mitophagy process by a photostable fluorescent mitochondrion-specific bioprobe with AIE characteristics. <i>Chemical Communications</i> , 2015, 51, 9022-9025.	2.2	105
21	Near-Infrared AIE Dots with Chemiluminescence for Deep-Tissue Imaging. <i>Advanced Materials</i> , 2020, 32, e2004685.	11.1	96
22	Design of self-assembly dipeptide hydrogels and machine learning via their chemical features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11259-11264.	3.3	95
23	Mapping Live Cell Viscosity with an Aggregation-Induced Emission Fluorogen by Means of Two-Photon Fluorescence Lifetime Imaging. <i>Chemistry - A European Journal</i> , 2015, 21, 4315-4320.	1.7	87
24	Biotin-decorated fluorescent silica nanoparticles with aggregation-induced emission characteristics: fabrication, cytotoxicity and biological applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 676-684.	2.9	86
25	A dual functional AEE fluorogen as a mitochondrial-specific bioprobe and an effective photosensitizer for photodynamic therapy. <i>Chemical Communications</i> , 2014, 50, 14451-14454.	2.2	79
26	Amphiphilic Tetraphenylethene-Based Pyridinium Salt for Selective Cell-Membrane Imaging and Room-Light-Induced Special Reactive Oxygen Species Generation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10567-10577.	4.0	79
27	Detection of oligomers and fibrils of β -synuclein by AIEgen with strong fluorescence. <i>Chemical Communications</i> , 2015, 51, 1866-1869.	2.2	75
28	Fluorogenic Ag ⁺ -Tetrazolate Aggregation Enables Efficient Fluorescent Biological Silver Staining. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5750-5753.	7.2	75
29	A Selective Glutathione Probe based on AIE Fluorogen and its Application in Enzymatic Activity Assay. <i>Scientific Reports</i> , 2015, 4, 4272.	1.6	73
30	Real-Time Imaging of Cell Behaviors in Living Organisms by a Mitochondria-Targeting AIE Fluorogen. <i>Advanced Functional Materials</i> , 2016, 26, 7132-7138.	7.8	70
31	Fluorogenic Detection and Characterization of Proteins by Aggregation-Induced Emission Methods. <i>Chemistry - A European Journal</i> , 2019, 25, 5824-5847.	1.7	66
32	Water-Soluble Tetraphenylethene Derivatives as Fluorescent "Light-Up" Probes for Nucleic Acid Detection and Their Applications in Cell Imaging. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1806-1812.	1.7	65
33	A Lysosome-Targeting AIEgen for Autophagy Visualization. <i>Advanced Healthcare Materials</i> , 2016, 5, 427-431.	3.9	65
34	Fabrication of Chitosan Nanoparticles with Aggregation-Induced Emission Characteristics and Their Applications in Long-Term Live Cell Imaging. <i>Macromolecular Rapid Communications</i> , 2013, 34, 767-771.	2.0	63
35	Making the Best Use of Excited-State Energy: Multimodality Theranostic Systems Based on Second Near-Infrared (NIR-II) Aggregation-Induced Emission Luminogens (AIEgens). , 2020, 2, 1033-1040.		60
36	Superior Fluorescent Probe for Detection of Cardiolipin. <i>Analytical Chemistry</i> , 2014, 86, 1263-1268.	3.2	59

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37	A simple yet effective AIE-based fluorescent nano-thermometer for temperature mapping in living cells using fluorescence lifetime imaging microscopy. <i>Nanoscale Horizons</i> , 2020, 5, 488-494.	4.1	51
38	Functionalization of Silk by AIEgens through Facile Bioconjugation: Full-Color Fluorescence and Long-Term Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12424-12430.	7.2	46
39	A tetraphenylethene-based caged compound: synthesis, properties and applications. <i>Chemical Communications</i> , 2014, 50, 8134-8136.	2.2	45
40	A Membrane-Targeting Photosensitizer with Aggregation-Induced Emission Characteristics for Highly Efficient Photodynamic Combat of Human Coronaviruses. <i>Small</i> , 2021, 17, e2101770.	5.2	45
41	Specific and Quantitative Detection of Albumin in Biological Fluids by Tetrazolate-Functionalized Water-Soluble AIEgens. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29619-29629.	4.0	44
42	AIEgen-Based Fluorescent Nanomaterials: Fabrication and Biological Applications. <i>Molecules</i> , 2018, 23, 419.	1.7	37
43	A near-infrared AIE probe for super-resolution imaging and nuclear lipid droplet dynamic study. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3043-3049.	3.2	37
44	Discrimination of homocysteine, cysteine and glutathione using an aggregation-induced-emission-active hemicyanine dye. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3919-3923.	2.9	33
45	Ordered Honeycomb Structural Interfaces for Anticancer Cells Growth. <i>Langmuir</i> , 2013, 29, 14947-14953.	1.6	32
46	Fabrication of small organic luminogens honeycomb-structured films with aggregation-induced emission features. <i>Journal of Materials Chemistry</i> , 2012, 22, 15869.	6.7	29
47	Photostable AIE fluorogens for accurate and sensitive detection of S-phase DNA synthesis and cell proliferation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4993-4996.	2.9	29
48	A Small-Molecule AIE Chromosome Periphery Probe for Cytogenetic Studies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10327-10331.	7.2	29
49	Detection of adenine-rich ssDNA based on thymine-substituted tetraphenylethene with aggregation-induced emission characteristics. <i>RSC Advances</i> , 2014, 4, 33307.	1.7	28
50	Thiol-Reactive Molecule with Dual-Emission-Enhancement Property for Specific Prestaining of Cysteine Containing Proteins in SDS-PAGE. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4613-4616.	4.0	26
51	A near-infrared AIE fluorescent probe for myelin imaging: From sciatic nerve to the optically cleared brain tissue in 3D. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
52	Fluorescence Imaging and Photodynamic Inactivation of Bacteria Based on Cationic Cyclometalated Iridium(III) Complexes with Aggregation-Induced Emission Properties. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100706.	3.9	25
53	Novel super-resolution capable mitochondrial probe, MitoRed AIE, enables assessment of real-time molecular mitochondrial dynamics. <i>Scientific Reports</i> , 2016, 6, 30855.	1.6	23
54	A Red Light-Triggered Drug Release System Based on One-Photon Upconversion-Like Photolysis. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001118.	3.9	20

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55	A Simple Approach to Achieve Organic Radicals with Unusual Solid-State Emission and Persistent Stability. <i>CCS Chemistry</i> , 2022, 4, 1912-1920.	4.6	20
56	Materials with aggregation-induced emission characteristics for applications in diagnosis, theragnosis, disease mechanism study and personalized medicine. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3322-3343.	3.2	20
57	Molecular Engineering of Laser-Induced Graphene for Potential-Driven Broad-Spectrum Antimicrobial and Antiviral Applications. <i>Small</i> , 2021, 17, e2102841.	5.2	19
58	Optimising molecular rotors to AIE fluorophores for mitochondria uptake and retention. <i>Chemical Communications</i> , 2020, 56, 14853-14856.	2.2	18
59	Metallophilicity-Induced Clusterization: Single-Component White-Light Clusteroluminescence with Stimulus Response. <i>CCS Chemistry</i> , 2022, 4, 2570-2580.	4.6	17
60	Biochromic silole derivatives: a single dye for differentiation, quantitation and imaging of live/dead cells. <i>Materials Horizons</i> , 2018, 5, 969-978.	6.4	15
61	A near-infrared plasma membrane-specific AIE probe for fluorescence lifetime imaging of phagocytosis. <i>Science China Chemistry</i> , 2022, 65, 979-988.	4.2	15
62	Fabrication of hybridized nanoparticles with aggregation-induced emission characteristics and application for cell imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5265-5271.	2.9	14
63	Taming Reactive Oxygen Species: Mitochondria-Targeting Aggregation-Induced Emission Luminogen for Neuron Protection via Photosensitization-Triggered Autophagy. <i>CCS Chemistry</i> , 2022, 4, 2249-2257.	4.6	14
64	Simultaneous Photodynamic Eradication of Tooth Biofilm and Tooth Whitening with an Aggregation-Induced Emission Luminogen. <i>Advanced Science</i> , 2022, 9, e2106071.	5.6	14
65	Aggregation-Induced Emission and Biological Application of Tetraphenylethene Luminogens. <i>Australian Journal of Chemistry</i> , 2011, 64, 1203.	0.5	13
66	Imaging Macrophage Phagocytosis Using AIE Luminogen-Labeled <i>E. coli</i> . <i>Chemistry - an Asian Journal</i> , 2019, 14, 775-780.	1.7	13
67	Fluorescent Materials With Aggregation-Induced Emission Characteristics for Array-Based Sensing Assay. <i>Frontiers in Chemistry</i> , 2020, 8, 288.	1.8	13
68	Turning on Light Emission of a Dark Pro-Aggregation-Induced Emission Luminogen in Aqueous Media Through Reductase-Modulated Derotation. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000080.	1.7	12
69	Synthesis, properties, and applications of poly(ethylene glycol)-decorated tetraphenylethenes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6192-6198.	2.7	11
70	Ultrafast labeling and high-fidelity imaging of mitochondria in cancer cells using an aggregation-enhanced emission fluorescent probe. <i>Chemical Communications</i> , 2019, 55, 14681-14684.	2.2	11
71	Solution-Controlled Conformational Switching of an Anchored Wireframe DNA Nanostructure. <i>Small</i> , 2019, 15, e1803628.	5.2	9
72	Fluorogenic Ag ⁺ -Tetrazolate Aggregation Enables Efficient Fluorescent Biological Silver Staining. <i>Angewandte Chemie</i> , 2018, 130, 5852-5855.	1.6	8

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73	An Aggregation-Induced Emission Optical Highlighter for the Studies of Endoplasmic Reticulum-Lipid Droplet Content Dynamics. <i>CCS Chemistry</i> , 2022, 4, 515-525.	4.6	7
74	Oxygen Quenching-Resistant Nanoaggregates with Aggregation-Induced Delayed Fluorescence for Time-Resolved Mapping of Intracellular Microviscosity. <i>ACS Nano</i> , 2022, 16, 6176-6184.	7.3	7
75	A switchable multimode microlaser based on an AIE microsphere. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11180-11188.	2.7	6
76	Functionalization of Silk by AIEgens through Facile Bioconjugation: Full-Color Fluorescence and Long-Term Bioimaging. <i>Angewandte Chemie</i> , 2021, 133, 12532-12538.	1.6	6
77	Patterned Honeycomb Structural Films with Fluorescent and Hydrophobic Properties. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	5
78	A Highly Efficient Aggregation-induced Emission Photosensitizer for Photodynamic Combat of Multidrug-resistant Bacteria. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 150-156.	1.3	4
79	Multifunctional high-Z nanoradiosensitizers for multimodal synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2022, , .	2.9	4
80	Cancer cell-selective aggregation-induced emission probe for long-term plasma membrane imaging. <i>Cell Reports Physical Science</i> , 2022, 3, 100735.	2.8	4
81	Fluorescent Silver Staining of Proteins in Polyacrylamide Gels. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
82	A Small-Molecule AIE Chromosome Periphery Probe for Cytogenetic Studies. <i>Angewandte Chemie</i> , 2020, 132, 10413-10417.	1.6	2
83	Photosensitizers: A Membrane-Targeting Photosensitizer with Aggregation-Induced Emission Characteristics for Highly Efficient Photodynamic Combat of Human Coronaviruses (Small 30/2021). <i>Small</i> , 2021, 17, 2170158.	5.2	1
84	Fabrication of Fluorescent Silica Nanoparticles with Aggregation-Induced Emission Luminogens for Cell Imaging. <i>Methods in Molecular Biology</i> , 2013, 991, 163-169.	0.4	0
85	Frontispiece: Fluorogenic Detection and Characterization of Proteins by Aggregation-Induced Emission Methods. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
86	AIEgen-Based Fluorescent Nanoparticles for Long-Term Cell Tracing. , 2019, , 359-375.		0
87	Applications of AIEgens in Super-Resolution Imaging, Fluorescence Lifetime Imaging, and Fluorescence Anisotropy Imaging. , 2019, , 409-423.		0
88	Fluorescent sensors based on aggregation-induced emission nanomaterials. , 2022, , 427-461.		0
89	AIE molecular probes for biomedical applications. , 2022, , 449-488.		0