Sijie Chen

List of Publications by Year
in descending order

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89	6,514	81743	64668
papers	citations	39 h-index	79 g-index

90	90	90	6603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Aggregation-Induced Emission Optical Highlighter for the Studies of Endoplasmic Reticulum-Lipid Droplet Content Dynamics. CCS Chemistry, 2022, 4, 515-525.	4.6	7
2	A Simple Approach to Achieve Organic Radicals with Unusual Solid-State Emission and Persistent Stability. CCS Chemistry, 2022, 4, 1912-1920.	4.6	20
3	Metallophilicity-Induced Clusterization: Single-Component White-Light Clusteroluminescence with Stimulus Response. CCS Chemistry, 2022, 4, 2570-2580.	4.6	17
4	Taming Reactive Oxygen Species: Mitochondria-Targeting Aggregation-Induced Emission Luminogen for Neuron Protection via Photosensitization-Triggered Autophagy. CCS Chemistry, 2022, 4, 2249-2257.	4.6	14
5	Fluorescent sensors based on aggregation-induced emission nanomaterials. , 2022, , 427-461.		0
6	Multifunctional high-Z nanoradiosensitizers for multimodal synergistic cancer therapy. Journal of Materials Chemistry B, 2022, , .	2.9	4
7	Cancer cell-selective aggregation-induced emission probe for long-term plasma membrane imaging. Cell Reports Physical Science, 2022, 3, 100735.	2.8	4
8	A near-infrared plasma membrane-specific AIE probe for fluorescence lifetime imaging of phagocytosis. Science China Chemistry, 2022, 65, 979-988.	4.2	15
9	Oxygen Quenching-Resistant Nanoaggregates with Aggregation-Induced Delayed Fluorescence for Time-Resolved Mapping of Intracellular Microviscosity. ACS Nano, 2022, 16, 6176-6184.	7.3	7
10	AIE molecular probes for biomedical applications. , 2022, , 449-488.		0
11	Simultaneous Photodynamic Eradication of Tooth Biofilm and Tooth Whitening with an Aggregationâ€Induced Emission Luminogen. Advanced Science, 2022, 9, e2106071.	5.6	14
12	A near-infrared AIE probe for super-resolution imaging and nuclear lipid droplet dynamic study. Materials Chemistry Frontiers, 2021, 5, 3043-3049.	3.2	37
13	A switchable multimode microlaser based on an AIE microsphere. Journal of Materials Chemistry C, 2021, 9, 11180-11188.	2.7	6
14	Turning on Light Emission of a Dark Proâ€Aggregationâ€Induced Emission Luminogen in Aqueous Media Through Reductaseâ€Modulated Derotation. Advanced NanoBiomed Research, 2021, 1, 2000080.	1.7	12
15	Functionalization of Silk by AIEgens through Facile Bioconjugation: Fullâ€Color Fluorescence and Longâ€Term Bioimaging. Angewandte Chemie, 2021, 133, 12532-12538.	1.6	6
16	Functionalization of Silk by AIEgens through Facile Bioconjugation: Fullâ€Color Fluorescence and Longâ€Term Bioimaging. Angewandte Chemie - International Edition, 2021, 60, 12424-12430.	7.2	46
17	A Membraneâ€Targeting Photosensitizer with Aggregationâ€Induced Emission Characteristics for Highly Efficient Photodynamic Combat of Human Coronaviruses. Small, 2021, 17, e2101770.	5.2	45
18	Photosensitizers: A Membraneâ€Targeting Photosensitizer with Aggregationâ€Induced Emission Characteristics for Highly Efficient Photodynamic Combat of Human Coronaviruses (Small 30/2021). Small, 2021, 17, 2170158.	5.2	1

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19	Fluorescence Imaging and Photodynamic Inactivation of Bacteria Based on Cationic Cyclometalated Iridium(III) Complexes with Aggregationâ€Induced Emission Properties. Advanced Healthcare Materials, 2021, 10, e2100706.	3.9	25
20	A Highly Efficient Aggregation-induced Emission Photosensitizer for Photodynamic Combat of Multidrug-resistant Bacteria. Chemical Research in Chinese Universities, 2021, 37, 150-156.	1.3	4
21	Materials with aggregation-induced emission characteristics for applications in diagnosis, theragnosis, disease mechanism study and personalized medicine. Materials Chemistry Frontiers, 2021, 5, 3322-3343.	3.2	20
22	Molecular Engineering of Laserâ€Induced Graphene for Potentialâ€Driven Broadâ€Spectrum Antimicrobial and Antiviral Applications. Small, 2021, 17, e2102841.	5.2	19
23	A near-infrared AIE fluorescent probe for myelin imaging: From sciatic nerve to the optically cleared brain tissue in 3D. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	26
24	A simple yet effective AIE-based fluorescent nano-thermometer for temperature mapping in living cells using fluorescence lifetime imaging microscopy. Nanoscale Horizons, 2020, 5, 488-494.	4.1	51
25	A Red Lightâ€Triggered Drug Release System Based on Oneâ€Photon Upconversionâ€Like Photolysis. Advanced Healthcare Materials, 2020, 9, e2001118.	3.9	20
26	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
27	Self-Reporting and Photothermally Enhanced Rapid Bacterial Killing on a Laser-Induced Graphene Mask. ACS Nano, 2020, 14, 12045-12053.	7.3	191
28	Nearâ€Infrared AIE Dots with Chemiluminescence for Deepâ€Tissue Imaging. Advanced Materials, 2020, 32, e2004685.	11.1	96
29	Optimising molecular rotors to AIE fluorophores for mitochondria uptake and retention. Chemical Communications, 2020, 56, 14853-14856.	2.2	18
30	A Smallâ€Molecule AIE Chromosome Periphery Probe for Cytogenetic Studies. Angewandte Chemie, 2020, 132, 10413-10417.	1.6	2
31	A Smallâ€Molecule AIE Chromosome Periphery Probe for Cytogenetic Studies. Angewandte Chemie - International Edition, 2020, 59, 10327-10331.	7.2	29
32	Fluorescent Materials With Aggregation-Induced Emission Characteristics for Array-Based Sensing Assay. Frontiers in Chemistry, 2020, 8, 288.	1.8	13
33	Specific and Quantitative Detection of Albumin in Biological Fluids by Tetrazolate-Functionalized Water-Soluble AIEgens. ACS Applied Materials & Interfaces, 2019, 11, 29619-29629.	4.0	44
34	Imaging Macrophage Phagocytosis Using AIE Luminogenâ€LabeledE.â€...coli. Chemistry - an Asian Journal, 2019, 14, 775-780.	1.7	13
35	Design of self-assembly dipeptide hydrogels and machine learning via their chemical features. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11259-11264.	3.3	95
36	Frontispiece: Fluorogenic Detection and Characterization of Proteins by Aggregationâ€Induced Emission Methods. Chemistry - A European Journal, 2019, 25, .	1.7	0

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37	Fluorescent Silver Staining of Proteins in Polyacrylamide Gels. Journal of Visualized Experiments, 2019, , .	0.2	2
38	AIEgen-Based Fluorescent Nanoparticles for Long-Term Cell Tracing. , 2019, , 359-375.		0
39	Amphiphilic Tetraphenylethene-Based Pyridinium Salt for Selective Cell-Membrane Imaging and Room-Light-Induced Special Reactive Oxygen Species Generation. ACS Applied Materials & Interfaces, 2019, 11, 10567-10577.	4.0	79
40	Ultrafast labeling and high-fidelity imaging of mitochondria in cancer cells using an aggregation-enhanced emission fluorescent probe. Chemical Communications, 2019, 55, 14681-14684.	2.2	11
41	Fluorogenic Detection and Characterization of Proteins by Aggregationâ€Induced Emission Methods. Chemistry - A European Journal, 2019, 25, 5824-5847.	1.7	66
42	Solutionâ€Controlled Conformational Switching of an Anchored Wireframe DNA Nanostructure. Small, 2019, 15, e1803628.	5.2	9
43	Applications of AIEgens in Super-ResolutionÂImaging, Fluorescence Lifetime Imaging, and Fluorescence Anisotropy Imaging. , 2019, , 409-423.		0
44	Fluorogenic Ag⁺â€“Tetrazolate Aggregation Enables Efficient Fluorescent Biological Silver Staining. Angewandte Chemie - International Edition, 2018, 57, 5750-5753.	7.2	75
45	Fluorogenic Ag⁺â€“Tetrazolate Aggregation Enables Efficient Fluorescent Biological Silver Staining. Angewandte Chemie, 2018, 130, 5852-5855.	1.6	8
46	Biochromic silole derivatives: a single dye for differentiation, quantitation and imaging of live/dead cells. Materials Horizons, 2018, 5, 969-978.	6.4	15
47	AIEgen-Based Fluorescent Nanomaterials: Fabrication and Biological Applications. Molecules, 2018, 23, 419.	1.7	37
48	Fabrication of fluorescent nanoparticles based on AIE luminogens (AIE dots) and their applications in bioimaging. Materials Horizons, 2016, 3, 283-293.	6.4	193
49	Realâ€Time Imaging of Cell Behaviors in Living Organisms by a Mitochondriaâ€Targeting AIE Fluorogen. Advanced Functional Materials, 2016, 26, 7132-7138.	7.8	70
50	Fabrication of hybridized nanoparticles with aggregation-induced emission characteristics and application for cell imaging. Journal of Materials Chemistry B, 2016, 4, 5265-5271.	2.9	14
51	Novel super-resolution capable mitochondrial probe, MitoRed AIE, enables assessment of real-time molecular mitochondrial dynamics. Scientific Reports, 2016, 6, 30855.	1.6	23
52	A Lysosomeâ€Targeting AIEgen for Autophagy Visualization. Advanced Healthcare Materials, 2016, 5, 427-431.	3.9	65
53	A Luminogen with Aggregationâ€Induced Emission Characteristics for Washâ€Free Bacterial Imaging, Highâ€Throughput Antibiotics Screening and Bacterial Susceptibility Evaluation. Advanced Materials, 2015, 27, 4931-4937.	11.1	111
54	Mapping Live Cell Viscosity with an Aggregationâ€Induced Emission Fluorogen by Means of Twoâ€Photon Fluorescence Lifetime Imaging. Chemistry - A European Journal, 2015, 21, 4315-4320.	1.7	87

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55	Light-Enhanced Bacterial Killing and Wash-Free Imaging Based on AIE Fluorogen. ACS Applied Materials & Interfaces, 2015, 7, 7180-7188.	4.0	120
56	A Selective Glutathione Probe based on AIE Fluorogen and its Application in Enzymatic Activity Assay. Scientific Reports, 2015, 4, 4272.	1.6	73
57	Real-time monitoring of the mitophagy process by a photostable fluorescent mitochondrion-specific bioprobe with AIE characteristics. Chemical Communications, 2015, 51, 9022-9025.	2.2	105
58	Photostable AIE fluorogens for accurate and sensitive detection of S-phase DNA synthesis and cell proliferation. Journal of Materials Chemistry B, 2015, 3, 4993-4996.	2.9	29
59	A red emitting mitochondria-targeted AIE probe as an indicator for membrane potential and mouse sperm activity. Chemical Communications, 2015, 51, 13599-13602.	2.2	136
60	Detection of oligomers and fibrils of Î±-synuclein by AIEgen with strong fluorescence. Chemical Communications, 2015, 51, 1866-1869.	2.2	75
61	Highly Fluorescent and Photostable Probe for Longâ€Term Bacterial Viability Assay Based on Aggregationâ€Induced Emission. Advanced Healthcare Materials, 2014, 3, 88-96.	3.9	105
62	A tetraphenylethene-based caged compound: synthesis, properties and applications. Chemical Communications, 2014, 50, 8134-8136.	2.2	45
63	Discrimination of homocysteine, cysteine and glutathione using an aggregation-induced-emission-active hemicyanine dye. Journal of Materials Chemistry B, 2014, 2, 3919-3923.	2.9	33
64	Detection of adenine-rich ssDNA based on thymine-substituted tetraphenylethene with aggregation-induced emission characteristics. RSC Advances, 2014, 4, 33307.	1.7	28
65	Synthesis, properties, and applications of poly(ethylene glycol)-decorated tetraphenylethenes. Journal of Materials Chemistry C, 2014, 2, 6192-6198.	2.7	11
66	A dual functional AEE fluorogen as a mitochondrial-specific bioprobe and an effective photosensitizer for photodynamic therapy. Chemical Communications, 2014, 50, 14451-14454.	2.2	79
67	Superior Fluorescent Probe for Detection of Cardiolipin. Analytical Chemistry, 2014, 86, 1263-1268.	3.2	59
68	Biotin-decorated fluorescent silica nanoparticles with aggregation-induced emission characteristics: fabrication, cytotoxicity and biological applications. Journal of Materials Chemistry B, 2013, 1, 676-684.	2.9	86
69	Fluorescent pH sensor constructed from a heteroatom-containing luminogen with tunable AIE and ICT characteristics. Chemical Science, 2013, 4, 3725.	3.7	198
70	Defect-sensitive crystals based on diaminomaleonitrile-functionalized Schiff base with aggregation-enhanced emission. Journal of Materials Chemistry C, 2013, 1, 7314.	2.7	124
71	A Photostable AIE Luminogen for Specific Mitochondrial Imaging and Tracking. Journal of the American Chemical Society, 2013, 135, 62-65.	6.6	695
72	Fabrication of Chitosan Nanoparticles with Aggregationâ€Induced Emission Characteristics and Their Applications in Longâ€Term Live Cell Imaging. Macromolecular Rapid Communications, 2013, 34, 767-771.	2.0	63

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73	Waterâ€Soluble Tetraphenylethene Derivatives as Fluorescent â€œLightâ€Upâ€•Probes for Nucleic Acid Detection and Their Applications in Cell Imaging. Chemistry - an Asian Journal, 2013, 8, 1806-1812.	1.7	65
74	Fabrication of Fluorescent Silica Nanoparticles with Aggregation-Induced Emission Luminogens for Cell Imaging. Methods in Molecular Biology, 2013, 991, 163-169.	0.4	0
75	Long-Term Fluorescent Cellular Tracing by the Aggregates of AIE Bioconjugates. Journal of the American Chemical Society, 2013, 135, 8238-8245.	6.6	357
76	Thiol-Reactive Molecule with Dual-Emission-Enhancement Property for Specific Prestaining of Cysteine Containing Proteins in SDS-PAGE. ACS Applied Materials & Interfaces, 2013, 5, 4613-4616.	4.0	26
77	Ordered Honeycomb Structural Interfaces for Anticancer Cells Growth. Langmuir, 2013, 29, 14947-14953.	1.6	32
78	Full-Range Intracellular pH Sensing by an Aggregation-Induced Emission-Active Two-Channel Ratiometric Fluorogen. Journal of the American Chemical Society, 2013, 135, 4926-4929.	6.6	394
79	Patterned Honeycomb Structural Films with Fluorescent and Hydrophobic Properties. Journal of Nanomaterials, 2013, 2013, 1-8.	1.5	5
80	Aggregation-induced red-NIR emission organic nanoparticles as effective and photostable fluorescent probes for bioimaging. Journal of Materials Chemistry, 2012, 22, 15128.	6.7	170
81	Monitoring and Inhibition of Insulin Fibrillation by a Small Organic Fluorogen with Aggregation-Induced Emission Characteristics. Journal of the American Chemical Society, 2012, 134, 1680-1689.	6.6	351
82	Synthesis, solvatochromism, aggregation-induced emission and cell imaging of tetraphenylethene-containing BODIPY derivatives with large Stokes shifts. Chemical Communications, 2012, 48, 10099.	2.2	204
83	Benzothiazolium-functionalized tetraphenylethene: an AIE luminogen with tunable solid-state emission. Chemical Communications, 2012, 48, 8637.	2.2	205
84	Tetraphenylethenyl-modified perylene bisimide: aggregation-induced red emission, electrochemical properties and ordered microstructures. Journal of Materials Chemistry, 2012, 22, 7387.	6.7	154
85	An AIE-active hemicyanine fluorogen with stimuli-responsive red/blue emission: extending the pH sensing range by â€œswitch + knobâ€•effect. Chemical Science, 2012, 3, 1804.	3.7	171
86	Fabrication of small organic luminogens honeycomb-structured films with aggregation-induced emission features. Journal of Materials Chemistry, 2012, 22, 15869.	6.7	29
87	Fluorogenic Zn(II) and Chromogenic Fe(II) Sensors Based on Terpyridine-Substituted Tetraphenylethenes with Aggregation-Induced Emission Characteristics. ACS Applied Materials & Interfaces, 2011, 3, 3411-3418.	4.0	189
88	Aggregation-Induced Emission and Biological Application of Tetraphenylethene Luminogens. Australian Journal of Chemistry, 2011, 64, 1203.	0.5	13
89	Cytophilic Fluorescent Bioprobes for Longâ€Term Cell Tracking. Advanced Materials, 2011, 23, 3298-3302.	11.1	238