

# Haoke Zhang

## List of Publications by Year in descending order

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108  
papers

8,562  
citations

44069

48  
h-index

48315

88  
g-index

138  
all docs

138  
docs citations

138  
times ranked

5603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation-Induced Emission: New Vistas at the Aggregate Level. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9888-9907.	13.8	821
2	Molecular Motion in Aggregates: Manipulating TICT for Boosting Photothermal Theranostics. <i>Journal of the American Chemical Society</i> , 2019, 141, 5359-5368.	13.7	465
3	Clusterization-triggered emission: Uncommon luminescence from common materials. <i>Materials Today</i> , 2020, 32, 275-292.	14.2	407
4	Highly Efficient Circularly Polarized Electroluminescence from Aggregation-Induced Emission Luminogens with Amplified Chirality and Delayed Fluorescence. <i>Advanced Functional Materials</i> , 2018, 28, 1800051.	14.9	302
5	Design of AIEgens for near-infrared IIb imaging through structural modulation at molecular and morphological levels. <i>Nature Communications</i> , 2020, 11, 1255.	12.8	283
6	Aggregate Science: From Structures to Properties. <i>Advanced Materials</i> , 2020, 32, e2001457.	21.0	254
7	Why Do Simple Molecules with Isolated Phenyl Rings Emit Visible Light?. <i>Journal of the American Chemical Society</i> , 2017, 139, 16264-16272.	13.7	201
8	Strategies to Enhance the Photosensitization: Polymerization and the Donor-Acceptor Even-Odd Effect. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15189-15193.	13.8	198
9	Stimuli-Responsive AIEgens. <i>Advanced Materials</i> , 2021, 33, e2008071.	21.0	178
10	Planar and Twisted Molecular Structure Leads to the High Brightness of Semiconducting Polymer Nanoparticles for NIR-IIa Fluorescence Imaging. <i>Journal of the American Chemical Society</i> , 2020, 142, 15146-15156.	13.7	177
11	Constitutional Isomerization Enables Bright NIR-II AIEgen for Brain Inflammation Imaging. <i>Advanced Functional Materials</i> , 2020, 30, 1908125.	14.9	175
12	Real-Time Monitoring of Hierarchical Self-Assembly and Induction of Circularly Polarized Luminescence from Achiral Luminogens. <i>ACS Nano</i> , 2019, 13, 3618-3628.	14.6	157
13	Functionalized Acrylonitriles with Aggregation-Induced Emission: Structure Tuning by Simple Reaction-Condition Variation, Efficient Red Emission, and Two-Photon Bioimaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 15111-15120.	13.7	155
14	Non-conventional fluorescent biogenic and synthetic polymers without aromatic rings. <i>Polymer Chemistry</i> , 2017, 8, 1722-1727.	3.9	152
15	Deciphering the working mechanism of aggregation-induced emission of tetraphenylethylene derivatives by ultrafast spectroscopy. <i>Chemical Science</i> , 2018, 9, 4662-4670.	7.4	150
16	In Situ Monitoring of RAFT Polymerization by Tetraphenylethylene-Containing Agents with Aggregation-Induced Emission Characteristics. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6274-6278.	13.8	145
17	ACQ-to-AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12822-12826.	13.8	131
18	Highly efficient singlet oxygen generation, two-photon photodynamic therapy and melanoma ablation by rationally designed mitochondria-specific near-infrared AIEgens. <i>Chemical Science</i> , 2020, 11, 2494-2503.	7.4	131

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19	Restriction of Access to the Dark State: A New Mechanistic Model for Heteroatom-Containing AIE Systems. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14911-14914.	13.8	130
20	Facile Multicomponent Polymerizations toward Unconventional Luminescent Polymers with Readily Openable Small Heterocycles. <i>Journal of the American Chemical Society</i> , 2018, 140, 5588-5598.	13.7	116
21	Through-Space Interactions in Clusteroluminescence. <i>Jacs Au</i> , 2021, 1, 1805-1814.	7.9	116
22	New Wine in Old Bottles: Prolonging Room-Temperature Phosphorescence of Crown Ethers by Supramolecular Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9293-9298.	13.8	105
23	Polymerization-induced emission. <i>Materials Horizons</i> , 2020, 7, 987-998.	12.2	104
24	Boosting Fluorescence-Photoacoustic-Raman Properties in One Fluorophore for Precise Cancer Surgery. <i>CheM</i> , 2019, 5, 2657-2677.	11.7	100
25	How to Manipulate Through-Space Conjugation and Clusteroluminescence of Simple AIEgens with Isolated Phenyl Rings. <i>Journal of the American Chemical Society</i> , 2021, 143, 9565-9574.	13.7	97
26	Aggregationsinduzierte Emission: Einblicke auf Aggregatebene. <i>Angewandte Chemie</i> , 2020, 132, 9972-9993.	2.0	96
27	Spontaneous and Fast Molecular Motion at Room Temperature in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4536-4540.	13.8	87
28	Metal-Free Catalysts for the Polymerization of Alkynyl-Based Monomers. <i>Catalysts</i> , 2021, 11, 1.	3.5	86
29	Altering Chain Flexibility of Aliphatic Polyesters for Yellow-Green Clusteroluminescence in 38% Quantum Yield. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	83
30	Restriction of Intramolecular Motion(RIM): Investigating AIE Mechanism from Experimental and Theoretical Studies. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1-15.	2.6	81
31	Incorporation of Planar Blocks into Twisted Skeletons: Boosting Brightness of Fluorophores for Bioimaging beyond 1500 Nanometer. <i>ACS Nano</i> , 2020, 14, 14228-14239.	14.6	78
32	Visualizing the Initial Step of Self-Assembly and the Phase Transition by Stereogenic Amphiphiles with Aggregation-Induced Emission. <i>ACS Nano</i> , 2019, 13, 839-846.	14.6	77
33	A "simple-donor-acceptor" AIEgen with multi-stimuli responsive behavior. <i>Materials Horizons</i> , 2020, 7, 135-142.	12.2	77
34	Axial chiral aggregation-induced emission luminogens with aggregation-annihilated circular dichroism effect. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5162-5166.	5.5	76
35	Through-Space Interaction of Tetraphenylethylene: What, Where, and How. <i>Journal of the American Chemical Society</i> , 2022, 144, 7901-7910.	13.7	72
36	Molecular Motion in the Solid State. , 2019, 1, 425-431.		71

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37	“Living” luminogens: light driven ACQ-to-AIE transformation accompanied with solid-state actuation. <i>Materials Horizons</i> , 2020, 7, 1566-1572.	12.2	71
38	In situ monitoring of molecular aggregation using circular dichroism. <i>Nature Communications</i> , 2018, 9, 4961.	12.8	70
39	Dual-Color Emissive AIEgen for Specific and Label-Free Double-Stranded DNA Recognition and Single-Nucleotide Polymorphisms Detection. <i>Journal of the American Chemical Society</i> , 2019, 141, 20097-20106.	13.7	70
40	Structure, Assembly, and Function of (Latent)-Chiral AIEgens. , 2019, 1, 192-202.		70
41	Conjugates of tetraphenylethene and diketopyrrolopyrrole: tuning the emission properties with phenyl bridges. <i>Chemical Communications</i> , 2014, 50, 8747-8750.	4.1	69
42	<scp>Aggregation-Induced</scp> Emission: A Rising Star in Chemistry and Materials Science. <i>Chinese Journal of Chemistry</i> , 2021, 39, 677-689.	4.9	69
43	Sparks fly when AIE meets with polymers. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2207-2220.	5.9	68
44	Aliphatic Polyesters with White-Light Clusteroluminescence. <i>Journal of the American Chemical Society</i> , 2022, 144, 15286-15294.	13.7	67
45	Drawing a clear mechanistic picture for the aggregation-induced emission process. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1143-1150.	5.9	64
46	Sulfur Conversion to Multifunctional Poly(<i>O</i>-thiocarbamate)s through Multicomponent Polymerizations of Sulfur, Diols, and Diisocyanides. <i>Journal of the American Chemical Society</i> , 2021, 143, 3944-3950.	13.7	63
47	Facilitation of molecular motion to develop turn-on photoacoustic bioprobe for detecting nitric oxide in encephalitis. <i>Nature Communications</i> , 2021, 12, 960.	12.8	62
48	Chemiluminescence Resonance Energy Transfer Efficiency and Donor-Acceptor Distance: from Qualitative to Quantitative. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13029-13034.	13.8	58
49	Multi-Functional Hyperbranched Poly(vinylene sulfide)s Constructed via Spontaneous Thiol-Yne Click Polymerization. <i>Macromolecules</i> , 2015, 48, 7782-7791.	4.8	57
50	Visualization and Manipulation of Solid-State Molecular Motions in Cocrystallization Processes. <i>Journal of the American Chemical Society</i> , 2021, 143, 9468-9477.	13.7	52
51	Time-dependent solid-state molecular motion and colour tuning of host-guest systems by organic solvents. <i>Nature Communications</i> , 2020, 11, 77.	12.8	51
52	Visualization and Manipulation of Molecular Motion in the Solid State through Photoinduced Clusteroluminescence. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7077-7085.	4.6	50
53	Secondary through-space interactions facilitated single-molecule white-light emission from clusteroluminogens. <i>Nature Communications</i> , 2022, 13, .	12.8	50
54	Clusteroluminescence from Cluster Excitons in Small Heterocyclics Free of Aromatic Rings. <i>Advanced Science</i> , 2021, 8, 2004299.	11.2	49

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55	Influence of the number and substitution position of phenyl groups on the aggregation-enhanced emission of benzene-cored luminogens. <i>Chemical Communications</i> , 2015, 51, 4830-4833.	4.1	47
56	Aggregation-Induced Generation of Reactive Oxygen Species: Mechanism and Photosensitizer Construction. <i>Molecules</i> , 2021, 26, 268.	3.8	47
57	Polymorph selectivity of an AIE luminogen under nano-confinement to visualize polymer microstructures. <i>Chemical Science</i> , 2020, 11, 997-1005.	7.4	46
58	Super-Resolution Visualization of Self-Assembling Helical Fibers Using Aggregation-Induced Emission Luminogens in Stimulated Emission Depletion Nanoscopy. <i>ACS Nano</i> , 2019, 13, 11863-11873.	14.6	45
59	A synergy between the push-pull electronic effect and twisted conformation for high-contrast mechanochromic AIEgens. <i>Materials Horizons</i> , 2021, 8, 630-638.	12.2	42
60	Pillararene-Induced Intramolecular Through-Space Charge Transfer and Single-Molecule White-Light Emission. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	42
61	Facile emission color tuning and circularly polarized light generation of single luminogen in engineering robust forms. <i>Materials Horizons</i> , 2019, 6, 405-411.	12.2	41
62	An easily synthesized AIE luminogen for lipid droplet-specific super-resolution imaging and two-photon imaging. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1872-1883.	5.9	41
63	Supramolecular Polymerization with Dynamic Self-Sorting Sequence Control. <i>Macromolecules</i> , 2019, 52, 8814-8825.	4.8	40
64	Deep-Red Fluorescent Organic Nanoparticles with High Brightness and Photostability for Super-Resolution in Vitro and in Vivo Imaging Using STED Nanoscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6814-6826.	8.0	40
65	Unveiling the Different Emission Behavior of Polytriazoles Constructed from Pyrazine-Based AIE Monomers by Click Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12181-12188.	8.0	38
66	Highly Selective and Productive Synthesis of a Carbon Dioxide-Based Copolymer upon Zwitterionic Growth. <i>Macromolecules</i> , 2021, 54, 2178-2186.	4.8	38
67	Seeing and Controlling Photoisomerization by Z-E-Isomers with Aggregation-Induced Emission Characteristics. <i>ACS Nano</i> , 2019, 13, 12120-12126.	14.6	36
68	Solid-state intramolecular motions in continuous fibers driven by ambient humidity for fluorescent sensors. <i>National Science Review</i> , 2021, 8, nwaa135.	9.5	36
69	Theranostic hyaluronic acid prodrug micelles with aggregation-induced emission characteristics for targeted drug delivery. <i>Science China Chemistry</i> , 2016, 59, 1609-1615.	8.2	35
70	Strategies to Enhance the Photosensitization: Polymerization and the Donor-Acceptor Even-Odd Effect. <i>Angewandte Chemie</i> , 2018, 130, 15409-15413.	2.0	35
71	Key progresses of MOE key laboratory of macromolecular synthesis and functionalization in 2021. <i>Chinese Chemical Letters</i> , 2023, 34, 107592.	9.0	35
72	Restriction of Access to the Dark State: A New Mechanistic Model for Heteroatom-Containing AIE Systems. <i>Angewandte Chemie</i> , 2019, 131, 15053-15056.	2.0	34

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73	Catalyst-Free Multicomponent Tandem Polymerizations of Alkyne and Amines toward Nontraditional Intrinsic Luminescent Poly(aminomaleimide)s. <i>Macromolecules</i> , 2020, 53, 3756-3764.	4.8	34
74	Circularly Polarized Luminescence from Chiral Conjugated Poly(carbazole- <i>co</i> -acridine)s with Aggregation-Induced Emission and Delayed Fluorescence. <i>ACS Applied Polymer Materials</i> , 2019, 1, 221-229.	4.4	33
75	Enantiomeric Switching of the Circularly Polarized Luminescence Processes in a Hierarchical Biomimetic System by Film Tilting. <i>ACS Nano</i> , 2021, 15, 1397-1406.	14.6	31
76	Recent Advances in Clusteroluminescence. <i>Topics in Current Chemistry</i> , 2021, 379, 14.	5.8	31
77	Multiple Stimuli Responses of Stereo-Isomers of AIE-Active Ethynylene-Bridged and Pyridyl-Modified Tetraphenylethene. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2165-2176.	2.6	30
78	The role of amide ( $n, \pi^*$ ) transitions in polypeptide clusteroluminescence. <i>Cell Reports Physical Science</i> , 2022, 3, 100716.	5.6	29
79	Morphogenesis and Optoelectronic Properties of Supramolecular Assemblies of Chiral Perylene Diimides in a Binary Solvent System. <i>Scientific Reports</i> , 2017, 7, 5508.	3.3	28
80	Tetraphenylethylene-based color-tunable AIE-ESIPT chromophores. <i>Dyes and Pigments</i> , 2020, 175, 108175.	3.7	28
81	Aggregation-Induced Emission (AIE) in Super-resolution Imaging: Cationic AIE Luminogens (AIEgens) for Tunable Organelle-Specific Imaging and Dynamic Tracking in Nanometer Scale. <i>ACS Nano</i> , 2022, 16, 5932-5942.	14.6	26
82	ACQ to AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie</i> , 2020, 132, 12922-12926.	2.0	25
83	Oxygen and sulfur-based pure $n$ -electron dendrimeric systems: generation-dependent clusteroluminescence towards multicolor cell imaging and molecular ruler. <i>Science China Chemistry</i> , 2021, 64, 1990-1998.	8.2	25
84	In Situ Monitoring of RAFT Polymerization by Tetraphenylethylene-Containing Agents with Aggregation-Induced Emission Characteristics. <i>Angewandte Chemie</i> , 2018, 130, 6382-6386.	2.0	24
85	Diagnosis of fatty liver disease by a multiphoton-active and lipid-droplet-specific AIEgen with nonaromatic rotors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1853-1862.	5.9	22
86	Multicationic AIEgens for unimolecular photodynamic theranostics and two-photon fluorescence bioimaging. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1623-1633.	5.9	20
87	Visualizing and monitoring interface structures and dynamics by luminogens with aggregation-induced emission. <i>Journal of Applied Physics</i> , 2019, 126, 050901.	2.5	19
88	The mysterious blue emission around 440 nm in carbonyl-based aliphatic clusteroluminogens. <i>Journal of Polymer Science</i> , 2022, 60, 2127-2135.	3.8	19
89	Spontaneous and Fast Molecular Motion at Room Temperature in the Solid State. <i>Angewandte Chemie</i> , 2019, 131, 4584-4588.	2.0	14
90	New Wine in Old Bottles: Prolonging Room-Temperature Phosphorescence of Crown Ethers by Supramolecular Interactions. <i>Angewandte Chemie</i> , 2020, 132, 9379-9384.	2.0	14

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91	Taming Reactive Oxygen Species: Mitochondria-Targeting Aggregation-Induced Emission Luminogen for Neuron Protection via Photosensitization-Triggered Autophagy. CCS Chemistry, 2022, 4, 2249-2257.	7.8	14
92	Hydrogen bonding-induced oxygen clusters and long-lived room temperature phosphorescence from amorphous polyols. Chinese Chemical Letters, 2023, 34, 107684.	9.0	14
93	Platinum-AIEgen coordination complex for imaging-guided annihilation of cisplatin-resistant cancer cells. Chemical Communications, 2020, 56, 7785-7788.	4.1	13
94	Visualizing changes of molecular conformation in the solid-state by a common structural determination technique: single crystal X-ray diffraction. Materials Chemistry Frontiers, 2021, 5, 341-346.	5.9	12
95	3,4,5-Triphenyl-1,2,4-triazole-based multifunctional n-type AIEgen. Science China Chemistry, 2017, 60, 635-641.	8.2	11
96	Ferrocene-based hyperbranched poly(phenyltriazolylcarboxylate)s: synthesis by phenylpropiolate-azide polycycloaddition and use as precursors to nanostructured magnetoceramics. Polymer Chemistry, 2019, 10, 5931-5938.	3.9	11
97	An unexpected non-conjugated AIEgen with a discrete dimer for pure intermolecular through-space charge transfer emission. Chemical Science, 2021, 12, 15928-15934.	7.4	11
98	Pillararene-Induced Intramolecular Through-Space Charge Transfer and Single-Molecule White-Light Emission. Angewandte Chemie, 2022, 134, .	2.0	11
99	A Mitochondria-Targeted AIEgen Labelled with <sup>18</sup> F for Breast Cancer Cell Imaging and Therapy. Chemistry - an Asian Journal, 2021, 16, 3963-3969.	3.3	9
100	Altering Chain Flexibility of Aliphatic Polyesters for Yellow-Green Clusteroluminescence in 38% Quantum Yield. Angewandte Chemie, 2022, 134, .	2.0	7
101	Poly(1-halogen-2-phenylacetylenes) containing tetraphenylethene units: polymer synthesis, unique emission behaviours and application in explosive detection. Materials Chemistry Frontiers, 2022, 6, 368-378.	5.9	6
102	Aggregation-Induced Emission Luminogens for Direct Exfoliation of 2D Layered Materials in Ethanol. Advanced Materials Interfaces, 2020, 7, 2000795.	3.7	5
103	Chemiluminescence Resonance Energy Transfer Efficiency and Donor-Acceptor Distance: from Qualitative to Quantitative. Angewandte Chemie, 2021, 133, 13139-13144.	2.0	5
104	An Air-Stable Organic Radical from a Controllable Photoinduced Domino Reaction of a Hexa-aryl Substituted Anthracene. Journal of Organic Chemistry, 2021, 86, 7359-7369.	3.2	5
105	Diversity-Oriented Synthesis of Functional Polymers with Multisubstituted Small Heterocycles by Facile Stereoselective Multicomponent Polymerizations. Macromolecules, 2022, 55, 4389-4401.	4.8	4
106	Aggregation and chirality. , 2018, , .		3
107	A Comparative Analysis of Convergence Rate for Imbalanced Datasets of Active Learning Models. , 2018, , .		0
108	Water-mediated through-space-conjugation of aromatic groups for stimuli-responsive photoluminescence. Giant, 2020, 3, 100028.	5.1	0