

Haoke Zhang

List of Publications by Year in descending order

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108
papers

8,562
citations

43973

48
h-index

48187

88
g-index

138
all docs

138
docs citations

138
times ranked

5603
citing authors

#	ARTICLE	IF	CITATIONS
1	Key progresses of MOE key laboratory of macromolecular synthesis and functionalization in 2021. Chinese Chemical Letters, 2023, 34, 107592.	4.8	35
2	Hydrogen bonding-induced oxygen clusters and long-lived room temperature phosphorescence from amorphous polyols. Chinese Chemical Letters, 2023, 34, 107684.	4.8	14
3	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
4	Altering Chain Flexibility of Aliphatic Polyesters for Yellow-Green Clusteroluminescence in 38% Quantum Yield. Angewandte Chemie - International Edition, 2022, 61, .	7.2	83
5	Altering Chain Flexibility of Aliphatic Polyesters for Yellow-Green Clusteroluminescence in 38% Quantum Yield. Angewandte Chemie, 2022, 134, .	1.6	7
6	The role of amide (n,π*) transitions in polypeptide clusteroluminescence. Cell Reports Physical Science, 2022, 3, 100716.	2.8	29
7	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.	3.2	6
8	Pillararene-Induced Intramolecular Through-Space Charge Transfer and Single-Molecule White-Light Emission. Angewandte Chemie - International Edition, 2022, 61, .	7.2	42
9	Aggregation-Induced Emission (AIE) in Super-resolution Imaging: Cationic AIE Luminogens (AIEgens) for Tunable Organelle-Specific Imaging and Dynamic Tracking in Nanometer Scale. ACS Nano, 2022, 16, 5932-5942.	7.3	26
10	Pillararene-Induced Intramolecular Through-Space Charge Transfer and Single-Molecule White-Light Emission. Angewandte Chemie, 2022, 134, .	1.6	11
11	The mysterious blue emission around 440 nm in carbonyl-based aliphatic clusteroluminogens. Journal of Polymer Science, 2022, 60, 2127-2135.	2.0	19
12	Through-Space Interaction of Tetraphenylethylene: What, Where, and How. Journal of the American Chemical Society, 2022, 144, 7901-7910.	6.6	72
13	Diversity-Oriented Synthesis of Functional Polymers with Multisubstituted Small Heterocycles by Facile Stereoselective Multicomponent Polymerizations. Macromolecules, 2022, 55, 4389-4401.	2.2	4
14	Secondary through-space interactions facilitated single-molecule white-light emission from clusteroluminogens. Nature Communications, 2022, 13, .	5.8	50
15	Aliphatic Polyesters with White-Light Clusteroluminescence. Journal of the American Chemical Society, 2022, 144, 15286-15294.	6.6	67
16	Solid-state intramolecular motions in continuous fibers driven by ambient humidity for fluorescent sensors. National Science Review, 2021, 8, nwa135.	4.6	36
17	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.	3.2	12
18	<sc>Aggregation-Induced</sc> Emission: A Rising Star in Chemistry and Materials Science. Chinese Journal of Chemistry, 2021, 39, 677-689.	2.6	69

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19	Enantiomeric Switching of the Circularly Polarized Luminescence Processes in a Hierarchical Biomimetic System by Film Tilting. <i>ACS Nano</i> , 2021, 15, 1397-1406.	7.3	31
20	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.	3.2	41
21	Aggregation-Induced Generation of Reactive Oxygen Species: Mechanism and Photosensitizer Construction. <i>Molecules</i> , 2021, 26, 268.	1.7	47
22	Highly Selective and Productive Synthesis of a Carbon Dioxide-Based Copolymer upon Zwitterionic Growth. <i>Macromolecules</i> , 2021, 54, 2178-2186.	2.2	38
23	A synergy between the push-pull electronic effect and twisted conformation for high-contrast mechanochromic AIEgens. <i>Materials Horizons</i> , 2021, 8, 630-638.	6.4	42
24	Restriction of Intramolecular Motion (RIM): Investigating AIE Mechanism from Experimental and Theoretical Studies. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1-15.	1.3	81
25	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.	3.2	22
26	Facilitation of molecular motion to develop turn-on photoacoustic bioprobe for detecting nitric oxide in encephalitis. <i>Nature Communications</i> , 2021, 12, 960.	5.8	62
27	Clusteroluminescence from Cluster Excitons in Small Heterocyclics Free of Aromatic Rings. <i>Advanced Science</i> , 2021, 8, 2004299.	5.6	49
28	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.	6.6	63
29	Recent Advances in Clusteroluminescence. <i>Topics in Current Chemistry</i> , 2021, 379, 14.	3.0	31
30	Chemiluminescence Resonance Energy Transfer Efficiency and Donor-Acceptor Distance: from Qualitative to Quantitative. <i>Angewandte Chemie</i> , 2021, 133, 13139-13144.	1.6	5
31	An Air-Stable Organic Radical from a Controllable Photoinduced Domino Reaction of a Hexa-aryl Substituted Anthracene. <i>Journal of Organic Chemistry</i> , 2021, 86, 7359-7369.	1.7	5
32	Chemiluminescence Resonance Energy Transfer Efficiency and Donor-Acceptor Distance: from Qualitative to Quantitative. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13029-13034.	7.2	58
33	Visualization and Manipulation of Solid-State Molecular Motions in Cocrystallization Processes. <i>Journal of the American Chemical Society</i> , 2021, 143, 9468-9477.	6.6	52
34	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.	6.6	97
35	Stimuli-Responsive AIEgens. <i>Advanced Materials</i> , 2021, 33, e2008071.	11.1	178
36	Through-Space Interactions in Clusteroluminescence. <i>Jacs Au</i> , 2021, 1, 1805-1814.	3.6	116

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37	Metal-Free Catalysts for the Polymerization of Alkynyl-Based Monomers. <i>Catalysts</i> , 2021, 11, 1.	1.6	86
38	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.	4.2	25
39	A Mitochondria-targeted AIEgen Labelled with ¹⁸ F for Breast Cancer Cell Imaging and Therapy. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3963-3969.	1.7	9
40	An unexpected non-conjugated AIEgen with a discrete dimer for pure intermolecular through-space charge transfer emission. <i>Chemical Science</i> , 2021, 12, 15928-15934.	3.7	11
41	Clusterization-triggered emission: Uncommon luminescence from common materials. <i>Materials Today</i> , 2020, 32, 275-292.	8.3	407
42	A "simple donor-acceptor" AIEgen with multi-stimuli responsive behavior. <i>Materials Horizons</i> , 2020, 7, 135-142.	6.4	77
43	New Wine in Old Bottles: Prolonging Room-Temperature Phosphorescence of Crown Ethers by Supramolecular Interactions. <i>Angewandte Chemie</i> , 2020, 132, 9379-9384.	1.6	14
44	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.	7.2	105
45	Time-dependent solid-state molecular motion and colour tuning of host-guest systems by organic solvents. <i>Nature Communications</i> , 2020, 11, 77.	5.8	51
46	Polymorph selectivity of an AIE luminogen under nano-confinement to visualize polymer microstructures. <i>Chemical Science</i> , 2020, 11, 997-1005.	3.7	46
47	Polymerization-induced emission. <i>Materials Horizons</i> , 2020, 7, 987-998.	6.4	104
48	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 & Interfaces</i> , 2020, 12, 6814-6826.	4.0	40
49	Tetraphenylethylene-based color-tunable AIE-ESIPT chromophores. <i>Dyes and Pigments</i> , 2020, 175, 108175.	2.0	28
50	Constitutional Isomerization Enables Bright NIR-II AIEgen for Brain Inflammation Imaging. <i>Advanced Functional Materials</i> , 2020, 30, 1908125.	7.8	175
51	Water-mediated through-space-conjugation of aromatic groups for stimuli-responsive photoluminescence. <i>Giant</i> , 2020, 3, 100028.	2.5	0
52	Incorporation of Planar Blocks into Twisted Skeletons: Boosting Brightness of Fluorophores for Bioimaging beyond 1500 Nanometer. <i>ACS Nano</i> , 2020, 14, 14228-14239.	7.3	78
53	Aggregate Science: From Structures to Properties. <i>Advanced Materials</i> , 2020, 32, e2001457.	11.1	254
54	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.	6.6	177

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55	Aggregation-Induced Emission Luminogens for Direct Exfoliation of 2D Layered Materials in Ethanol. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000795.	1.9	5
56	Catalyst-Free Multicomponent Tandem Polymerizations of Alkyne and Amines toward Nontraditional Intrinsic Luminescent Poly(aminomaleimide)s. <i>Macromolecules</i> , 2020, 53, 3756-3764.	2.2	34
57	ACQ-to-AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12822-12826.	7.2	131
58	ACQ-to-AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie</i> , 2020, 132, 12922-12926.	1.6	25
59	Platinum-AIEgen coordination complex for imaging-guided annihilation of cisplatin-resistant cancer cells. <i>Chemical Communications</i> , 2020, 56, 7785-7788.	2.2	13
60	Design of AIEgens for near-infrared IIb imaging through structural modulation at molecular and morphological levels. <i>Nature Communications</i> , 2020, 11, 1255.	5.8	283
61	"Living" luminogens: light driven ACQ-to-AIE transformation accompanied with solid-state actuation. <i>Materials Horizons</i> , 2020, 7, 1566-1572.	6.4	71
62	Aggregationsinduzierte Emission: Einblicke auf Aggregatebene. <i>Angewandte Chemie</i> , 2020, 132, 9972-9993.	1.6	96
63	Aggregation-Induced Emission: New Vistas at the Aggregate Level. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9888-9907.	7.2	821
64	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.	3.7	131
65	Multicationic AIEgens for unimolecular photodynamic theranostics and two-photon fluorescence bioimaging. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1623-1633.	3.2	20
66	Visualizing and monitoring interface structures and dynamics by luminogens with aggregation-induced emission. <i>Journal of Applied Physics</i> , 2019, 126, 050901.	1.1	19
67	Restriction of Access to the Dark State: A New Mechanistic Model for Heteroatom-Containing AIE Systems. <i>Angewandte Chemie</i> , 2019, 131, 15053-15056.	1.6	34
68	Sparks fly when AIE meets with polymers. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2207-2220.	3.2	68
69	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.	6.6	155
70	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.	7.2	130
71	Visualization and Manipulation of Molecular Motion in the Solid State through Photoinduced Clusteroluminescence. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7077-7085.	2.1	50
72	Supramolecular Polymerization with Dynamic Self-Sorting Sequence Control. <i>Macromolecules</i> , 2019, 52, 8814-8825.	2.2	40

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73	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.	6.6	70
74	Molecular Motion in the Solid State. , 2019, 1, 425-431.		71
75	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.	7.3	45
76	Seeing and Controlling Photoisomerization by <i>Z</i> / <i>E</i> -Isomers with Aggregation-Induced Emission Characteristics. <i>ACS Nano</i> , 2019, 13, 12120-12126.	7.3	36
77	Boosting Fluorescence-Photoacoustic-Raman Properties in One Fluorophore for Precise Cancer Surgery. <i>CheM</i> , 2019, 5, 2657-2677.	5.8	100
78	Facile emission color tuning and circularly polarized light generation of single luminogen in engineering robust forms. <i>Materials Horizons</i> , 2019, 6, 405-411.	6.4	41
79	Spontaneous and Fast Molecular Motion at Room Temperature in the Solid State. <i>Angewandte Chemie</i> , 2019, 131, 4584-4588.	1.6	14
80	Spontaneous and Fast Molecular Motion at Room Temperature in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4536-4540.	7.2	87
81	Structure, Assembly, and Function of (Latent)-Chiral AIEgens. , 2019, 1, 192-202.		70
82	Drawing a clear mechanistic picture for the aggregation-induced emission process. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1143-1150.	3.2	64
83	Real-Time Monitoring of Hierarchical Self-Assembly and Induction of Circularly Polarized Luminescence from Achiral Luminogens. <i>ACS Nano</i> , 2019, 13, 3618-3628.	7.3	157
84	Molecular Motion in Aggregates: Manipulating TICT for Boosting Photothermal Theranostics. <i>Journal of the American Chemical Society</i> , 2019, 141, 5359-5368.	6.6	465
85	Ferrocene-based hyperbranched poly(phenyltriazolylcarboxylate)s: synthesis by phenylpropiolate-azide polycycloaddition and use as precursors to nanostructured magnetoceramics. <i>Polymer Chemistry</i> , 2019, 10, 5931-5938.	1.9	11
86	Circularly Polarized Luminescence from Chiral Conjugated Poly(carbazole- <i>ran</i> -acridine)s with Aggregation-Induced Emission and Delayed Fluorescence. <i>ACS Applied Polymer Materials</i> , 2019, 1, 221-229.	2.0	33
87	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.	7.3	77
88	Unveiling the Different Emission Behavior of Polytriazoles Constructed from Pyrazine-Based AIE Monomers by Click Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12181-12188.	4.0	38
89	Highly Efficient Circularly Polarized Electroluminescence from Aggregation-Induced Emission Luminogens with Amplified Chirality and Delayed Fluorescence. <i>Advanced Functional Materials</i> , 2018, 28, 1800051.	7.8	302
90	Deciphering the working mechanism of aggregation-induced emission of tetraphenylethylene derivatives by ultrafast spectroscopy. <i>Chemical Science</i> , 2018, 9, 4662-4670.	3.7	150

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91	Facile Multicomponent Polymerizations toward Unconventional Luminescent Polymers with Readily Openable Small Heterocycles. <i>Journal of the American Chemical Society</i> , 2018, 140, 5588-5598.	6.6	116
92	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.	7.2	145
93	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.	1.2	30
94	In Situ Monitoring of RAFT Polymerization by Tetraphenylethylene-Containing Agents with Aggregation-Induced Emission Characteristics. <i>Angewandte Chemie</i> , 2018, 130, 6382-6386.	1.6	24
95	A Comparative Analysis of Convergence Rate for Imbalanced Datasets of Active Learning Models. , 2018, , .		0
96	In situ monitoring of molecular aggregation using circular dichroism. <i>Nature Communications</i> , 2018, 9, 4961.	5.8	70
97	Strategies to Enhance the Photosensitization: Polymerization and the Donor-acceptor Even-Odd Effect. <i>Angewandte Chemie</i> , 2018, 130, 15409-15413.	1.6	35
98	Strategies to Enhance the Photosensitization: Polymerization and the Donor-acceptor Even-Odd Effect. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15189-15193.	7.2	198
99	Aggregation and chirality. , 2018, , .		3
100	Non-conventional fluorescent biogenic and synthetic polymers without aromatic rings. <i>Polymer Chemistry</i> , 2017, 8, 1722-1727.	1.9	152
101	3,4,5-Triphenyl-1,2,4-triazole-based multifunctional n-type AIEgen. <i>Science China Chemistry</i> , 2017, 60, 635-641.	4.2	11
102	Why Do Simple Molecules with Isolated Phenyl Rings Emit Visible Light?. <i>Journal of the American Chemical Society</i> , 2017, 139, 16264-16272.	6.6	201
103	Morphogenesis and Optoelectronic Properties of Supramolecular Assemblies of Chiral Perylene Diimides in a Binary Solvent System. <i>Scientific Reports</i> , 2017, 7, 5508.	1.6	28
104	Theranostic hyaluronic acid prodrug micelles with aggregation-induced emission characteristics for targeted drug delivery. <i>Science China Chemistry</i> , 2016, 59, 1609-1615.	4.2	35
105	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.	2.2	47
106	Axial chiral aggregation-induced emission luminogens with aggregation-annihilated circular dichroism effect. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5162-5166.	2.7	76
107	Multi-Functional Hyperbranched Poly(vinylene sulfide)s Constructed via Spontaneous Thiol-ene Click Polymerization. <i>Macromolecules</i> , 2015, 48, 7782-7791.	2.2	57
108	Conjugates of tetraphenylethene and diketopyrrolopyrrole: tuning the emission properties with phenyl bridges. <i>Chemical Communications</i> , 2014, 50, 8747-8750.	2.2	69