Jian-Yu Zhang

List of Publications by Year
in descending order

39 papers	1,227 citations	331670 21 h-index	395702 33 g-index
55 all docs	55 docs citations	55 times ranked	660 citing authors

#	Article	IF	Citations
1	How to Manipulate Through-Space Conjugation and Clusteroluminescence of Simple AIEgens with Isolated Phenyl Rings. Journal of the American Chemical Society, 2021, 143, 9565-9574.	13.7	97
2	Donor/Ï€â€Bridge Manipulation for Constructing a Stable NIRâ€II Aggregationâ€Induced Emission Luminogen with Balanced Phototheranostic Performance**. Angewandte Chemie - International Edition, 2021, 60, 26769-26776.	13.8	96
3	Restriction of Intramolecular Motion(RIM): Investigating AIE Mechanism from Experimental and Theoretical Studies. Chemical Research in Chinese Universities, 2021, 37, 1-15.	2.6	81
4	A near-room-temperature organicâ€“inorganic hybrid ferroelectric: [C₆H₅CH₂CH₂NH₃]₂[CdI₄]. Chemical Communications, 2017, 53, 5764-5766.	4.1	76
5	A Facile Strategy of Boosting Photothermal Conversion Efficiency through State Transformation for Cancer Therapy. Advanced Materials, 2021, 33, e2105999.	21.0	61
6	Organic Long-Persistent Luminescence from a Single-Component Aggregate. Journal of the American Chemical Society, 2022, 144, 3050-3062.	13.7	61
7	Visualization and Manipulation of Solid-State Molecular Motions in Cocrystallization Processes. Journal of the American Chemical Society, 2021, 143, 9468-9477.	13.7	52
8	Mitochondriaâ€Targeting Phototheranostics by Aggregationâ€Induced NIRâ€II Emission Luminogens: Modulating Intramolecular Motion by Electron Acceptor Engineering for Multiâ€Modal Synergistic Therapy. Advanced Functional Materials, 2022, 32, .	14.9	51
9	Spin-reorientation-induced magnetodielectric coupling effects in two layered perovskite magnets. Chemical Science, 2018, 9, 7413-7418.	7.4	50
10	Secondary through-space interactions facilitated single-molecule white-light emission from clusteroluminogens. Nature Communications, 2022, 13, .	12.8	50
11	Clusteroluminescence from Cluster Excitons in Small Heterocyclics Free of Aromatic Rings. Advanced Science, 2021, 8, 2004299.	11.2	49
12	Functionalization of Silk by AIEgens through Facile Bioconjugation: Fullâ€Color Fluorescence and Longâ€Term Bioimaging. Angewandte Chemie - International Edition, 2021, 60, 12424-12430.	13.8	46
13	Revisiting an ancient inorganic aggregationâ€induced emission system: An enlightenment to clusteroluminescence. Aggregate, 2021, 2, e36.	9.9	40
14	Highly Selective and Productive Synthesis of a Carbon Dioxide-Based Copolymer upon Zwitterionic Growth. Macromolecules, 2021, 54, 2178-2186.	4.8	38
15	Novel Quinolizine AIE System: Visualization of Molecular Motion and Elaborate Tailoring for Biological Application**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	31
16	Mapping the Regioisomeric Space and Visible Color Range of Purely Organic Dual Emitters with Ultralong Phosphorescence Components: From Violet to Red Towards Pure White Light. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
17	Positive/Negative Phototropism: Controllable Molecular Actuators with Different Bending Behavior. CCS Chemistry, 2021, 3, 1491-1500.	7.8	27
18	How Do Molecular Motions Affect Structures and Properties at Molecule and Aggregate Levels?. Journal of the American Chemical Society, 2021, 143, 11820-11827.	13.7	26

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19	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.	14.6	26
20	Yâ€Shaped Pyreneâ€Based Aggregationâ€Induced Emission Blue Emitters for Highâ€Performance OLED Devices. Advanced Optical Materials, 2022, 10, .	7.3	26
21	White-light emission from organic aggregates: a review. Advanced Photonics, 2021, 4, .	11.8	25
22	Frustrated Lewis Pair Catalyzed Câ€“H Activation of Heteroarenes: AÂStepwise Carbene Mechanism Due to Distance Effect. Organic Letters, 2018, 20, 1102-1105.	4.6	22
23	Boron-Based Lewis Acid Transition Metal Complexes as Potential Bifunctional Catalysts. Chinese Journal of Organic Chemistry, 2017, 37, 2187.	1.3	21
24	Metallophilicity-Induced Clusterization: Single-Component White-Light Clusteroluminescence with Stimulus Response. CCS Chemistry, 2022, 4, 2570-2580.	7.8	17
25	Donor/Ïâ€Bridge Manipulation for Constructing a Stable NIRâ€I Aggregationâ€Induced Emission Luminogen with Balanced Phototheranostic Performance**. Angewandte Chemie, 2021, 133, 26973-26980.	2.0	17
26	Intermolecular Hydrogen-Bond-Assisted Solid-State Dual-Emission Molecules with Mechanical Force-Induced Enhanced Emission. Journal of Organic Chemistry, 2022, 87, 8503-8514.	3.2	16
27	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
28	Stimuliâ€Responsive Materials from Ferroceneâ€Based Organic Small Molecule for Wearable Sensors. Small, 2021, 17, e2103125.	10.0	14
29	Metalâ€Based Aggregationâ€Induced Emission Theranostic Systems. ChemMedChem, 2022, 17, .	3.2	12
30	A mitochondria-targeted AIE photosensitizer for enhancing specificity and efficacy of ferroptosis inducer. Science China Chemistry, 2022, 65, 870-876.	8.2	12
31	The effect of auxiliary ligand on the mechanism and reactivity: DFT study on H2 activation by Lewis acidâ€“transition metal complex (tris(phosphino)borane)Fe(L). Catalysis Science and Technology, 2017, 7, 4866-4878.	4.1	9
32	Rational design of FLP catalysts for reversible H2 activation: A DFT study of the geometric and electronic effects. Chinese Chemical Letters, 2018, 29, 1226-1232.	9.0	6
33	Switching energy dissipation pathway: in situ proton-induced transformation of AIE-active self-assemblies to boost photodynamic therapy. Biomaterials Science, 2021, 9, 4301-4307.	5.4	6
34	Functionalization of Silk by AIEgens through Facile Bioconjugation: Fullâ€Color Fluorescence and Longâ€Term Bioimaging. Angewandte Chemie, 2021, 133, 12532-12538.	2.0	6
35	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
36	Mapping the regioisomeric space and visible color range of purely organic dual emitters with ultralong phosphorescence components: From violet to red towards pure whiteâ€light. Angewandte Chemie, 0, , .	2.0	5

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37	Novel Quinolizine AIE System: Visualization of Molecular Motion and Elaborate Tailoring for Biological Application**. Angewandte Chemie, 0, , .	2.0	5
38	â€œSimpleâ€•Aggregationâ€Induced Emission Luminogens for Nondoped Solutionâ€Processed Organic Lightâ€Emitting Diodes with Emission Close to Pure Red in the Standard Red, Green, and Blue Gamut. Advanced Photonics Research, 2021, 2, 2100004.	3.6	2
39	Three Years' Achievements and Expectations of Top Talent Training Program in Basic Sciences. University Chemistry, 2019, 34, 146-150.	0.0	0