Ben Zhong Tang

List of Publications by Year
in descending order

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1,957 papers	169,415 citations	61 176 h-index	149 326 g-index
2071 all docs	2071 docs citations	2071 times ranked	46740 citing authors

#	Article	IF	Citations
1	An efficient aggregationâ€enhanced delayed fluorescence luminogen created with spiro donors and carbonyl acceptor for applications as an emitter and sensitizer in highâ€performance organic lightâ€emitting diodes. Aggregate, 2023, 4, .	9.9	9
2	A versatile AIE fluorogen with selective reactivity to primary amines for monitoring amination, protein labeling, and mitochondrial staining. Aggregate, 2023, 4, .	9.9	15
3	Aggregation-induced emission luminogen with excellent tripletâ€"triplet upconversion efficiency for highly efficient non-doped blue organic light-emitting diodes. Materials Horizons, 2022, 9, 376-382.	12.2	30
4	Chiral assembly of organic luminogens with aggregation-induced emission. Chemical Science, 2022, 13, 611-632.	7.4	74
5	Stable Quadruple Helical Tetraradicaloid with Thermally Induced Intramolecular Magnetic Switching. CCS Chemistry, 2022, 4, 95-103.	7.8	24
6	Visualized Degradation of CO ₂ -Based Unsaturated Polyesters toward Structure-Controlled and High-Value-Added Fluorophores. CCS Chemistry, 2022, 4, 237-249.	7.8	13
7	Deciphering Benzeneâ€"Heterocycle Stacking Interaction Impact on the Electronic Structures and Photophysical Properties of Tetraphenylethene-Cored Foldamers. CCS Chemistry, 2022, 4, 286-303.	7.8	4
8	Esterase-Activated Theranostic Prodrug for Dual Organelles-Targeted Imaging and Synergetic Chemo-Photodynamic Cancer Therapy. CCS Chemistry, 2022, 4, 1028-1043.	7.8	30
9	Type I AIE photosensitizers: Mechanism and application. View, 2022, 3, 20200121.	5.3	72
10	In Situ Generation of N -Heteroaromatic Polymers: Metal-Free Multicomponent Polymerization for Photopatterning, Morphological Imaging, and Cr(VI) Sensing. CCS Chemistry, 2022, 4, 2308-2320.	7.8	9
11	An Aggregation-Induced Emission Optical Highlighter for the Studies of Endoplasmic Reticulum-Lipid Droplet Content Dynamics. CCS Chemistry, 2022, 4, 515-525.	7.8	7
12	Metallophilicity-Induced Clusterization: Single-Component White-Light Clusteroluminescence with Stimulus Response. CCS Chemistry, 2022, 4, 2570-2580.	7.8	17
13	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
14	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
15	Endowing AIE with Extraordinary Potential: A New Au(I)â€Containing AIEgen for Bimodal Bioimagingâ€Guided Multimodal Synergistic Cancer Therapy. Advanced Functional Materials, 2022, 32, 2108199.	14.9	9
16	Brainâ€Targeted Aggregationâ€Inducedâ€Emission Nanoparticles with Nearâ€Infrared Imaging at 1550Ânm Boosts Orthotopic Glioblastoma Theranostics. Advanced Materials, 2022, 34, e2106082.	21.0	75
17	Seeing the unseen: AIE luminogens for super-resolution imaging. Coordination Chemistry Reviews, 2022, 451, 214279.	18.8	48
18	Polymorphism and light conversion properties of anthracene-based isomers. Dyes and Pigments, 2022, 197, 109888.	3.7	5

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19	How do molecular interactions affect fluorescence behavior of AIEgens in solution and aggregate states?. Science China Chemistry, 2022, 65, 135-144.	8.2	31
20	A smartphone-based electroporation system with highly robust and low-voltage silicon nanopillar chips. Biosensors and Bioelectronics, 2022, 197, 113776.	10.1	2
21	Aggregation-induced emission molecules enable characterization of superhydrophobic coatings. Progress in Organic Coatings, 2022, 163, 106633.	3.9	10
22	Circularly polarized luminescent 4, 4â€²-bicarbazole scaffold for facile construction of chiroptical probes. Dyes and Pigments, 2022, 198, 109969.	3.7	4
23	Altering Chain Flexibility of Aliphatic Polyesters for Yellowâ€Green Clusteroluminescence in 38â€‰% Quantum Yield. Angewandte Chemie - International Edition, 2022, 61, .	13.8	83
24	Functional Hyperbranched Polythioamides Synthesized from Catalystâ€free Multicomponent Polymerization of Elemental Sulfur^{â€}. Chinese Journal of Chemistry, 2022, 40, 725-733.	4.9	10
25	Altering Chain Flexibility of Aliphatic Polyesters for Yellowâ€Green Clusteroluminescence in 38â€‰% Quantum Yield. Angewandte Chemie, 2022, 134, .	2.0	7
26	Construction of sublimable pure organic ionic material with high solid luminescence efficiency based on anion-Ï€+ interactions tuning strategy. Chemical Engineering Journal, 2022, 433, 133646.	12.7	6
27	Cationization to boost both type I and type II ROS generation for photodynamic therapy. Biomaterials, 2022, 280, 121255.	11.4	67
28	In Situ Fabricated Quasiâ€Solid Polymer Electrolyte for Highâ€Energyâ€Density Lithium Metal Battery Capable of Subzero Operation. Advanced Energy Materials, 2022, 12, 2102932.	19.5	69
29	Metalâ€Based Aggregationâ€Induced Emission Theranostic Systems. ChemMedChem, 2022, 17, .	3.2	12
30	Synthesis, photoluminescence and electroluminescence properties of a new blue emitter containing carbazole, acridine and diphenyl sulfone units. Organic Electronics, 2022, 101, 106411.	2.6	5
31	Syntheses, properties, and applications of CO2-based functional polymers. Cell Reports Physical Science, 2022, 3, 100719.	5.6	39
32	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
33	A Bipolar Delayed Fluorescence Luminogen with Fast Reverse Intersystem Crossing and High Horizontal Dipole Orientation for Highâ€Performance Skyâ€Blue and White OLEDs. Advanced Optical Materials, 2022, 10, .	7.3	10
34	New shoots from old roots: multiple stimuli-responsive properties of a common tetraphenylethene derivative. Materials Chemistry Frontiers, 2022, 6, 176-181.	5.9	10
35	Robust Luminescent Molecules with Highâ€Level Reverse Intersystem Crossing for Efficient Near Ultraviolet Organic Lightâ€Emitting Diodes. Angewandte Chemie, 2022, 134, .	2.0	6
36	Room temperature synthesis of polythioamides from multicomponent polymerization of sulfur, pyridine-activated alkyne, and amines. Chemical Communications, 2022, 58, 1994-1997.	4.1	14

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37	Aggregation-induced delayed fluorescence molecules with mechanochromic behaviors for efficient blue organic light-emitting diodes. Cell Reports Physical Science, 2022, 3, 100733.	5.6	8
38	Completely aqueous processable stimulus responsive organic room temperature phosphorescence materials with tunable afterglow color. Nature Communications, 2022, 13, 347.	12.8	199
39	A wearable AIEgen-based lateral flow test strip for rapid detection of SARS-CoV-2 RBD protein and N protein. Cell Reports Physical Science, 2022, 3, 100740.	5.6	13
40	Molecular coreâ€“shell structure design: Facilitating delayed fluorescence in aggregates toward highly efficient solutionâ€processed OLEDs. Aggregate, 2022, 3, .	9.9	33
41	Unveiling the crucial contributions of electrostatic and dispersion interactions to the ultralong room-temperature phosphorescence of H-bond crosslinked poly(vinyl alcohol) films. Materials Horizons, 2022, 9, 1081-1088.	12.2	42
42	Organic Long-Persistent Luminescence from a Single-Component Aggregate. Journal of the American Chemical Society, 2022, 144, 3050-3062.	13.7	61
43	Tuning non-radiative decay channelsviasymmetric/asymmetric substituent effects on phenazine derivatives and their phototherapy switch between dynamic and thermal processes. Materials Chemistry Frontiers, 2022, 6, 316-324.	5.9	3
44	Autonomous Visualization of Damage in Polymers by Metalâ€Free Polymerizations of Microencapsulated Activated Alkynes. Advanced Science, 2022, 9, e2105395.	11.2	8
45	A Holistic View of Polymer Aggregate. Chinese Journal of Polymer Science (English Edition), 2022, 40, 231-232.	3.8	2
46	A ratiometric theranostic system for visualization of ONOO^{â^’} species and reduction of drug-induced hepatotoxicity. Biomaterials Science, 2022, 10, 1083-1089.	5.4	12
47	Aggregation-induced delayed fluorescence. , 2022, , 91-115.		0
48	Novel Quinolizine AIE System: Visualization of Molecular Motion and Elaborate Tailoring for Biological Application**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	31
49	Diradicalâ€Featured Organic Smallâ€Molecule Photothermal Material with Highâ€Spin State in Dimers for Ultraâ€Broadband Solar Energy Harvesting. Advanced Materials, 2022, 34, e2108048.	21.0	37
50	The role of amide (n,Ï€â^—) transitions in polypeptide clusteroluminescence. Cell Reports Physical Science, 2022, 3, 100716.	5.6	29
51	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
52	One-step light-up metabolic probes for in situ discrimination and killing of intracellular bacteria. Materials Chemistry Frontiers, 2022, 6, 450-458.	5.9	8
53	Fused Heterocyclic Polymers with Aggregation-Induced Emission: Synthesis and Applications. ACS Applied Polymer Materials, 2022, 4, 3120-3130.	4.4	15
54	Bringing Inherent Charges into Aggregation-Induced Emission Research. Accounts of Chemical Research, 2022, 55, 197-208.	15.6	40

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55	NIR-II Aggregation-Induced Emission Luminogens for Tumor Phototheranostics. Biosensors, 2022, 12, 46.	4.7	15
56	Robust Luminescent Molecules with Highâ€Level Reverse Intersystem Crossing for Efficient Near Ultraviolet Organic Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	34
57	Polymerizations of Activated Alkynes. Progress in Polymer Science, 2022, 126, 101503.	24.7	25
58	Droplet digital recombinase polymerase amplification (ddRPA) reaction unlocking via picoinjection. Biosensors and Bioelectronics, 2022, 202, 114019.	10.1	28
59	Creating efficient delayed fluorescence luminogens with acridine-based spiro donors to improve horizontal dipole orientation for high-performance OLEDs. Chemical Engineering Journal, 2022, 435, 134934.	12.7	19
60	New aggregation-induced delayed fluorescent materials for efficient OLEDs with high stabilities of emission color and efficiency. Materials Chemistry Frontiers, 2022, 6, 924-932.	5.9	6
61	Aggregation caused quenching to aggregation induced emission transformation: a precise tuning based on BN-doped polycyclic aromatic hydrocarbons toward subcellular organelle specific imaging. Chemical Science, 2022, 13, 3129-3139.	7.4	58
62	Precise and long-term tracking of mitochondria in neurons using a bioconjugatable and photostable AIE luminogen. Chemical Science, 2022, 13, 2965-2970.	7.4	18
63	Complete deciphering of the dynamic stereostructures of a single aggregation-induced emission molecule. Matter, 2022, 5, 1224-1234.	10.0	6
64	Evoking Highly Immunogenic Ferroptosis Aided by Intramolecular Motionâ€Induced Photoâ€Hyperthermia for Cancer Therapy. Advanced Science, 2022, 9, e2104885.	11.2	34
65	Oneâ€Pot Synthesis of Customized Metalâ€"Phenolicâ€Networkâ€Coated AIE Dots for In Vivo Bioimaging. Advanced Science, 2022, 9, e2104997.	11.2	20
66	Regulating Photophysical Property of Aggregationâ€Induced Delayed Fluorescence Luminogens via Heavy Atom Effect to Achieve Efficient Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, .	7.3	15
67	Deep-Red Aggregation-Induced Emission Luminogen Based on Dithiofuvalene-Fused Benzothiadiazole for Lipid Droplet-Specific Imaging. , 2022, 4, 159-164.		28
68	Adjusting and visualizing the stability of an acyl chloride through the delocalization effect and introducing AIEgens. Chemical Communications, 2022, 58, 5769-5772.	4.1	3
69	Aggregation induced emission (AIE) active cross-linked poly(N-isopropyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (a in an aqueous environment. Journal of Materials Chemistry C, 2022, 10, 5856-5863.	5.5	5
70	The fast-growing field of photo-driven theranostics based on aggregation-induced emission. Chemical Society Reviews, 2022, 51, 1983-2030.	38.1	168
71	Organic photosensitizers for antimicrobial phototherapy. Chemical Society Reviews, 2022, 51, 3324-3340.	38.1	139
72	In Situ Electrospinning of Aggregationâ€Induced Emission Nanofibrous Dressing for Wound Healing. Small Methods, 2022, 6, e2101247.	8.6	57

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73	Stimulus-responsive room temperature phosphorescence materials with full-color tunability from pure organic amorphous polymers. Science Advances, 2022, 8, eabl8392.	10.3	143
74	Aggregation-Induced Emission Luminogen-Based Dual-Mode Enzyme-Linked Immunosorbent Assay for Ultrasensitive Detection of Cancer Biomarkers in a Broad Concentration Range. ACS Sensors, 2022, 7, 766-774.	7.8	13
75	Efficient Ultraviolet Organic Light-Emitting Diodes with a CIEy of 0.04 and Negligible-Efficiency Roll-Off. ACS Applied Materials & Interfaces, 2022, 14, 10627-10636.	8.0	19
76	Molecular Crystal Engineering of Organic Chromophores for NIR-II Fluorescence Quantification of Cerebrovascular Function. ACS Nano, 2022, 16, 3323-3331.	14.6	12
77	Aggregation-Induced Emission-Active Biomacromolecules: Progress, Challenges, and Opportunities. Biomacromolecules, 2022, 23, 2185-2196.	5.4	14
78	Responsive hyperbranched poly(formyl-1,2,3-triazole)s toward quadruple-modal information security protection. Science China Chemistry, 2022, 65, 771-777.	8.2	11
79	Aggregation-Induced Emission Luminogens for Cell Death Research. ACS Bio & Med Chem Au, 2022, 2, 236-257.	3.7	14
80	NIR-II Absorbing Charge Transfer Complexes for Synergistic Photothermalâ€“Chemodynamic Antimicrobial Therapy and Wounds Healing. , 2022, 4, 692-700.		16
81	Click Synthesis Enabled Sulfur Atom Strategy for Polymerizationâ€Enhanced and Twoâ€Photon Photosensitization. Angewandte Chemie - International Edition, 2022, 61, .	13.8	26
82	In-situ generation of poly(quinolizine)s via catalyst-free polyannulations of activated diyne and pyridines. Science China Chemistry, 2022, 65, 789-795.	8.2	2
83	Surfactantâ€Inspired Coassembly Strategy to Integrate Aggregationâ€Induced Emission Photosensitizer with Organosilica Nanoparticles for Efficient Theranostics. Advanced Functional Materials, 2022, 32, .	14.9	23
84	Leveraging bacterial survival mechanism for targeting and photodynamic inactivation of bacterial biofilms with red natural AIEgen. Cell Reports Physical Science, 2022, 3, 100803.	5.6	12
85	Throughâ€Space Conjugated Electron Transport Materials for Improving Efficiency and Lifetime of Organic Lightâ€Emitting Diodes. Advanced Science, 2022, 9, e2200374.	11.2	27
86	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
87	Oxygen Quenching-Resistant Nanoaggregates with Aggregation-Induced Delayed Fluorescence for Time-Resolved Mapping of Intracellular Microviscosity. ACS Nano, 2022, 16, 6176-6184.	14.6	7
88	Acceptor Planarization and Donor Rotation: A Facile Strategy for Realizing Synergistic Cancer Phototherapy via Type I PDT and PTT. ACS Nano, 2022, 16, 4162-4174.	14.6	121
89	Effective Therapy of Drugâ€Resistant Bacterial Infection by Killing Planktonic Bacteria and Destructing Biofilms with Cationic Photosensitizer Based on Phosphindole Oxide. Small, 2022, 18, e2200743.	10.0	27
90	Smart Tetraphenyletheneâ€Based Luminescent Metalâ€“Organic Frameworks with Amideâ€Assisted Thermofluorochromics and Piezofluorochromics. Advanced Science, 2022, 9, e2200850.	11.2	31

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91	Multimodal Imagingâ€Guided Photothermal Immunotherapy Based on a Versatile NIRâ€II Aggregationâ€Induced Emission Luminogen. Angewandte Chemie, 2022, 134, .	2.0	7
92	Intra- and Intermolecular Synergistic Engineering of Aggregation-Induced Emission Luminogens to Boost Three-Photon Absorption for Through-Skull Brain Imaging. ACS Nano, 2022, 16, 6444-6454.	14.6	22
93	Multimodal Imagingâ€Guided Photothermal Immunotherapy Based on a Versatile NIRâ€II Aggregationâ€Induced Emission Luminogen. Angewandte Chemie - International Edition, 2022, 61, .	13.8	78
94	The mysterious blue emission around 440â€‰nm in carbonylâ€based aliphatic clusteroluminogens. Journal of Polymer Science, 2022, 60, 2127-2135.	3.8	19
95	Aggregationâ€induced emission luminogens for augmented photosynthesis. Exploration, 2022, 2, .	11.0	19
96	Recent advances in aggregation-induced emission luminogens in photoacoustic imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 2560-2583.	6.4	7
97	Editorial: Immunological Effects of Nano-Imaging Materials. Frontiers in Immunology, 2022, 13, 886415.	4.8	0
98	Ratiometric Monitoring of Biogenic Amines by a Simple Ammonia-Response Aiegen. Foods, 2022, 11, 932.	4.3	6
99	A mitochondria-targeted AIE photosensitizer for enhancing specificity and efficacy of ferroptosis inducer. Science China Chemistry, 2022, 65, 870-876.	8.2	12
100	Multiple yet switchable hydrogen-bonded organic frameworks with white-light emission. Nature Communications, 2022, 13, 1882.	12.8	61
101	Rhodium-Catalyzed Polycyclotrimerization of Diphenylpropiolates: A Facile Strategy toward Ester-Functionalized Hyperbranched Polyarylenes. Macromolecules, 2022, 55, 2456-2462.	4.8	2
102	Tumor-derived exosomes co-delivering aggregation-induced emission luminogens and proton pump inhibitors for tumor glutamine starvation therapy and enhanced type-I photodynamic therapy. Biomaterials, 2022, 283, 121462.	11.4	75
103	Isothermal Background-Free Nucleic Acid Quantification by a One-Pot Cas13a Assay Using Droplet Microfluidics. Analytical Chemistry, 2022, 94, 5883-5892.	6.5	41
104	Synchronously boosting type-I photodynamic and photothermal efficacies via molecular manipulation for pancreatic cancer theranostics in the NIR-II window. Biomaterials, 2022, 283, 121476.	11.4	48
105	Solutionâ€processed AIEgen NIR OLEDs with EQE Approaching 15â€‰%. Angewandte Chemie - International Edition, 2022, 61, .	13.8	43
106	Aggregationâ€Induced Emission Boosting the Study of Polymer Science. Macromolecular Rapid Communications, 2022, 43, e2200080.	3.9	13
107	Solutionâ€processed AIEgen NIR OLEDs with EQE Approaching 15â€‰%. Angewandte Chemie, 2022, 134, .	2.0	5
108	Bonsai-inspired AIE nanohybrid photosensitizer based on vermiculite nanosheets for ferroptosis-assisted oxygen self-sufficient photodynamic cancer therapy. Nano Today, 2022, 44, 101477.	11.9	24

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109	Cellular organelle-targeted smart AIEgens in tumor detection, imaging and therapeutics. Coordination Chemistry Reviews, 2022, 462, 214508.	18.8	10
110	A Class of Biocompatible Dyeâ€"Protein Complex Optical Nanoprobes. ACS Nano, 2022, 16, 328-339.	14.6	12
111	A Universal Boronateâ€Affinity Crosslingâ€Amplified Dynamic Light Scattering Immunoassay for Pointâ€ofâ€Care Glycoprotein Detection. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
112	Critical Role of Highâ€Lying Triplet States for Efficient Excitons Utilization in Highâ€Performance Nonâ€Doped Deepâ€Blue Fluorescent and Hybrid White Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, .	7.3	6
113	Combining Hydroxyl-Yne and Thiol-Ene Click Reactions to Facilely Access Sequence-Defined Macromolecules for High-Density Data Storage. Journal of the American Chemical Society, 2022, 144, 1672-1680.	13.7	38
114	A Discrete Platinum(II) Metallacycle Harvesting Triplet Excitons for Solutionâ€Processed Deepâ€Red Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, .	7.3	5
115	Precise Molecular Engineering of Type I Photosensitizers with Nearâ€Infrared Aggregationâ€Induced Emission for Imageâ€Guided Photodynamic Killing of Multidrugâ€Resistant Bacteria. Advanced Science, 2022, 9, e2104079.	11.2	55
116	A Universal Boronateâ€Affinity Crosslingâ€Amplified Dynamic Light Scattering Immunoassay for Pointâ€ofâ€Care Glycoprotein Detection. Angewandte Chemie, 2022, 134, .	2.0	0
117	Highâ€Performance Orangeâ€"Red Organic Lightâ€Emitting Diodes with External Quantum Efficiencies Reaching 33.5% based on Carbonylâ€Containing Delayed Fluorescence Molecules. Advanced Science, 2022, 9, e2104435.	11.2	29
118	Porphyrin-Based Two-Dimensional Layered Metalâ€"Organic Framework with Sono-/Photocatalytic Activity for Water Decontamination. ACS Nano, 2022, 16, 1346-1357.	14.6	64
119	A brightly red emissive AIEgen and its antibody conjugated nanoparticles for cancer cell targeting imaging. Materials Chemistry Frontiers, 2022, 6, 1317-1323.	5.9	6
120	A cell membrane-targeting AIE photosensitizer as a necroptosis inducer for boosting cancer theranostics. Chemical Science, 2022, 13, 5929-5937.	7.4	40
121	Modulation of the intramolecular hydrogen bonding and pushâ€"pull electron effects toward realizing highly efficient organic room temperature phosphorescence. Journal of Materials Chemistry C, 2022, 10, 13797-13804.	5.5	19
122	Photo-Enhanced Chemotherapy Performance in Bladder Cancer Treatment via Albumin Coated AIE Aggregates. ACS Nano, 2022, 16, 7535-7546.	14.6	37
123	Through-Space Interaction of Tetraphenylethylene: What, Where, and How. Journal of the American Chemical Society, 2022, 144, 7901-7910.	13.7	72
124	A green and efficient strategy facilitates continuous solar-induced steam generation based on tea-assisted synthesis of gold nanoflowers. Nano Research, 2022, 15, 6705-6712.	10.4	7
125	Type-I AIE photosensitizer triggered cascade catalysis system for tumor targeted therapy and postoperative recurrence suppression. Chemical Engineering Journal, 2022, 446, 136381.	12.7	17
126	Highly specific and selective fluorescent chemosensor for sensing of Hg(II) by NH-pyrazolate-functionalized AIEgens. Analytica Chimica Acta, 2022, 1208, 339824.	5.4	16

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127	Thermosensitive Microgels Containing AIEgens: Enhanced Luminescence and Distinctive Photochromism for Dynamic Anticounterfeiting. ACS Applied Materials & Interfaces, 2022, 14, 17794-17805.	8.0	17
128	Fundamental principles of AIE. , 2022, , 1-22.		0
129	Aggregation-induced emission polymers. , 2022, , 45-86.		1
130	Chiral aggregation-induced emission molecules: Design, circularly polarized luminescence, and helical self-assembly. , 2022, , 87-115.		0
131	AIE-based chemosensors for vapor sensing. , 2022, , 583-615.		1
132	Achieving Multiple Quantum-Interfered States via Through-Space and Through-Bond Synergistic Effect in Foldamer-Based Single-Molecule Junctions. Journal of the American Chemical Society, 2022, 144, 8073-8083.	13.7	12
133	Hyperbranched Polyborate: A Nonâ€conjugated Fluorescent Polymer with Unanticipated High Quantum Yield and Multicolor Emission. Angewandte Chemie - International Edition, 2022, 61, .	13.8	56
134	Direct Room Temperature Synthesis of Î±-CsPbI₃ Perovskite Nanocrystals with High Photoluminescence Quantum Yields: Implications for Lighting and Photovoltaic Applications. ACS Applied Nano Materials, 2022, 5, 12366-12373.	5.0	4
135	Activated Internal <scp>Alkyneâ€Based</scp> Polymerization^{â€}. Chinese Journal of Chemistry, 2022, 40, 2001-2013.	4.9	9
136	Improving the Efficiency of AIEgen-Based Nondoped Blue Organic Light-Emitting Diode by Rational Isomer Engineering. , 2022, 4, 1087-1093.		12
137	Visualization of Enantiorecognition and Resolution by Chiral AIEgens. ACS Nano, 2022, 16, 8223-8232.	14.6	14
138	Molecular Motion and Nonradiative Decay: Towards Efficient Photothermal and Photoacoustic Systems. Angewandte Chemie - International Edition, 2022, 61, .	13.8	88
139	Transient Solidâ€State Laser Activation of Indium for Highâ€Performance Reduction of CO₂ to Formate. Small, 2022, 18, e2201311.	10.0	22
140	Molecular Motion and Nonradiative Decay: Towards Efficient Photothermal and Photoacoustic Systems. Angewandte Chemie, 2022, 134, .	2.0	9
141	Aggregation-Induced Emission Nanoparticles for Single Near-Infrared Light-Triggered Photodynamic and Photothermal Antibacterial Therapy. ACS Nano, 2022, 16, 7961-7970.	14.6	61
142	AIEgen-Based Bionic Nanozymes for the Interventional Photodynamic Therapy-Based Treatment of Orthotopic Colon Cancer. ACS Applied Materials & Interfaces, 2022, 14, 26394-26403.	8.0	18
143	Dorsoventral gradient hydrogel fiber actuators visualized by AIEgen-conjugated nanoparticles. Nano Today, 2022, 44, 101502.	11.9	9
144	A NIR-II emissive polymer AIEgen for imaging-guided photothermal elimination of bacterial infection. Biomaterials, 2022, 286, 121579.	11.4	26

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145	Direct demonstration of triplet excimer in purely organic room temperature phosphorescence through rational molecular design. Light: Science and Applications, 2022, 11, 142.	16.6	37
146	Cationization-Enhanced Type I and Type II ROS Generation for Photodynamic Treatment of Drug-Resistant Bacteria. ACS Nano, 2022, 16, 9130-9141.	14.6	68
147	Natural products with aggregation-induced emission properties: from discovery to their multifunctional applications. Scientia Sinica Chimica, 2022, 52, 1524-1546.	0.4	10
148	Multifaceted Cargo Recruitment and Release from Artificial Membraneless Organelles. Small, 2022, 18, .	10.0	21
149	Aggregation-induced emission: An emerging concept in brain science. Biomaterials, 2022, 286, 121581.	11.4	20
150	Visualization and monitoring of dynamic damagingâ€"healing processes of polymers by using AIEgen-loaded multifunctional microcapsules. Journal of Materials Chemistry A, 2022, 10, 15438-15448.	10.3	8
151	Diversity-Oriented Synthesis of Functional Polymers with Multisubstituted Small Heterocycles by Facile Stereoselective Multicomponent Polymerizations. Macromolecules, 2022, 55, 4389-4401.	4.8	4
152	Efficient Non-Doped Organic Light-Emitting Diodes Based on Aggregation-Induced Emission Luminogens. , 2022, , 1-60.		0
153	AIE-Active Photosensitizers: Manipulation of Reactive Oxygen Species Generation and Applications in Photodynamic Therapy. Biosensors, 2022, 12, 348.	4.7	24
154	Size Optimization of Organic Nanoparticles with Aggregationâ€Induced Emission Characteristics for Improved ROS Generation and Photodynamic Cancer Cell Ablation. Small, 2022, 18, .	10.0	21
155	Threeâ€Pronged Attack by Hybrid Nanoplatform Involving MXenes, Upconversion Nanoparticle and Aggregationâ€Induced Emission Photosensitizer for Potent Cancer Theranostics. Small Methods, 2022, 6, .	8.6	11
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