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	Aggregation-induced emission of 1-methyl-1,2,3,4,5-pentaphenylsilole. Chemical Communications, 2001, , 1740-1741.	4.1	6,387
2	Aggregation-Induced Emission: Together We Shine, United We Soar!. Chemical Reviews, 2015, 115, 11718-11940.	47.7	6,279
3	Aggregation-induced emission. Chemical Society Reviews, 2011, 40, 5361.	38.1	5,347
4	Aggregation-induced emission: phenomenon, mechanism and applications. Chemical Communications, 2009, , 4332.	4.1	3,438
5	Aggregationâ€Induced Emission: The Whole Is More Brilliant than the Parts. Advanced Materials, 2014, 26, 5429-5479.	21.0	2,737
6	Bioprobes Based on AIE Fluorogens. Accounts of Chemical Research, 2013, 46, 2441-2453.	15.6	1,607
7	AIE macromolecules: syntheses, structures and functionalities. Chemical Society Reviews, 2014, 43, 4494-4562.	38.1	1,222
8	Biosensing by luminogens with aggregation-induced emission characteristics. Chemical Society Reviews, 2015, 44, 4228-4238.	38.1	1,128
9	Acetylenic Polymers: Syntheses, Structures, and Functions. Chemical Reviews, 2009, 109, 5799-5867.	47.7	1,122
10	Synthesis, Light Emission, Nanoaggregation, and Restricted Intramolecular Rotation of 1,1-Substituted 2,3,4,5-Tetraphenylsiloles. Chemistry of Materials, 2003, 15, 1535-1546.	6.7	1,082
11	Excited-state intramolecular proton-transfer (ESIPT) based fluorescence sensors and imaging agents. Chemical Society Reviews, 2018, 47, 8842-8880.	38.1	993
12	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	14.6	976
13	Twisted Intramolecular Charge Transfer and Aggregation-Induced Emission of BODIPY Derivatives. Journal of Physical Chemistry C, 2009, 113, 15845-15853.	3.1	856
14	Changing the Behavior of Chromophores from Aggregationâ€Caused Quenching to Aggregationâ€Induced Emission: Development of Highly Efficient Light Emitters in the Solid State. Advanced Materials, 2010, 22, 2159-2163.	21.0	834
15	Aggregationâ€Induced Emission: New Vistas at the Aggregate Level. Angewandte Chemie - International Edition, 2020, 59, 9888-9907.	13.8	821
16	Room-temperature phosphorescence from organic aggregates. Nature Reviews Materials, 2020, 5, 869-885.	48.7	786
17	Fluorescent bio/chemosensors based on silole and tetraphenylethene luminogens with aggregation-induced emission feature. Journal of Materials Chemistry, 2010, 20, 1858.	6.7	785
18	Crystallization-Induced Phosphorescence of Pure Organic Luminogens at Room Temperature. Journal of Physical Chemistry C, 2010, 114, 6090-6099.	3.1	765

#	Article	IF	Citations
19	Tetraphenylethene: a versatile AIE building block for the construction of efficient luminescent materials for organic light-emitting diodes. Journal of Materials Chemistry, 2012, 22, 23726.	6.7	761
20	Functional Polyacetylenes. Accounts of Chemical Research, 2005, 38, 745-754.	15.6	715
21	A Photostable AIE Luminogen for Specific Mitochondrial Imaging and Tracking. Journal of the American Chemical Society, 2013, 135, 62-65.	13.7	695
22	Specific light-up bioprobes based on AIEgen conjugates. Chemical Society Reviews, 2015, 44, 2798-2811.	38.1	674
23	White light emission from a single organic molecule with dual phosphorescence at room temperature. Nature Communications, 2017, 8, 416.	12.8	621
24	Reversible Switching of the Emission of Diphenyldibenzofulvenes by Thermal and Mechanical Stimuli. Advanced Materials, 2011, 23, 3261-3265.	21.0	600
25	Biocompatible Nanoparticles with Aggregationâ€Induced Emission Characteristics as Farâ€Red/Nearâ€Infrared Fluorescent Bioprobes for In Vitro and In Vivo Imaging Applications. Advanced Functional Materials, 2012, 22, 771-779.	14.9	599
26	Two-Dimensional Metalâ€“Organic Framework with Wide Channels and Responsive Turn-On Fluorescence for the Chemical Sensing of Volatile Organic Compounds. Journal of the American Chemical Society, 2014, 136, 7241-7244.	13.7	593
27	Efficient blue emission from siloles. Journal of Materials Chemistry, 2001, 11, 2974-2978.	6.7	590
28	Ring-opening polymerization of strained, ring-tilted ferrocenophanes: a route to high-molecular-weight poly(ferrocenylsilanes). Journal of the American Chemical Society, 1992, 114, 6246-6248.	13.7	584
29	Restriction of Intramolecular Motions: The General Mechanism behind Aggregationâ€Induced Emission. Chemistry - A European Journal, 2014, 20, 15349-15353.	3.3	578
30	Aggregation-induced emission: fundamental understanding and future developments. Materials Horizons, 2019, 6, 428-433.	12.2	564
31	Click Synthesis, Aggregation-Induced Emission, E/Z Isomerization, Self-Organization, and Multiple Chromisms of Pure Stereoisomers of a Tetraphenylethene-Cored Luminogen. Journal of the American Chemical Society, 2012, 134, 9956-9966.	13.7	558
32	Specific Detection of <scp>d</scp>-Glucose by a Tetraphenylethene-Based Fluorescent Sensor. Journal of the American Chemical Society, 2011, 133, 660-663.	13.7	551
33	Real-Time Monitoring of Cell Apoptosis and Drug Screening Using Fluorescent Light-Up Probe with Aggregation-Induced Emission Characteristics. Journal of the American Chemical Society, 2012, 134, 17972-17981.	13.7	545
34	Effects of silane functionalization on the properties of carbon nanotube/epoxy nanocomposites. Composites Science and Technology, 2007, 67, 2965-2972.	7.8	543
35	Click polymerization. Chemical Society Reviews, 2010, 39, 2522.	38.1	533
36	Functionalization of carbon nanotubes using a silane coupling agent. Carbon, 2006, 44, 3232-3238.	10.3	524

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37	Fluorescent Sensors Based on Aggregation-Induced Emission: Recent Advances and Perspectives. ACS Sensors, 2017, 2, 1382-1399.	7.8	521
38	Achieving Persistent Room Temperature Phosphorescence and Remarkable Mechanochromism from Pure Organic Luminogens. Advanced Materials, 2015, 27, 6195-6201.	21.0	513
39	Preparation, Alignment, and Optical Properties of Soluble Poly(phenylacetylene)-Wrapped Carbon Nanotubesâ€. Macromolecules, 1999, 32, 2569-2576.	4.8	511
40	Supramolecular materials based on AIE luminogens (AIEgens): construction and applications. Chemical Society Reviews, 2020, 49, 1144-1172.	38.1	498
41	Fluorescent â€œlight-upâ€•bioprobes based on tetraphenylethylene derivatives with aggregation-induced emission characteristics. Chemical Communications, 2006, , 3705-3707.	4.1	497
42	Structures, Electronic States, Photoluminescence, and Carrier Transport Properties of 1,1-Disubstituted 2,3,4,5-Tetraphenylsiloles. Journal of the American Chemical Society, 2005, 127, 6335-6346.	13.7	490
43	Aggregation-induced emission of siloles. Chemical Science, 2015, 6, 5347-5365.	7.4	487
44	Aggregation-induced emissions of tetraphenylethene derivatives and their utilities as chemical vapor sensors and in organic light-emitting diodes. Applied Physics Letters, 2007, 91, .	3.3	479
45	Efficient Solid Emitters with Aggregation-Induced Emission and Intramolecular Charge Transfer Characteristics: Molecular Design, Synthesis, Photophysical Behaviors, and OLED Application. Chemistry of Materials, 2012, 24, 1518-1528.	6.7	472
46	AIE Luminogens for Bioimaging and Theranostics: From Organelles to Animals. CheM, 2017, 3, 56-91.	11.7	465
47	Molecular Motion in Aggregates: Manipulating TICT for Boosting Photothermal Theranostics. Journal of the American Chemical Society, 2019, 141, 5359-5368.	13.7	465
48	Specific Lightâ€Up Bioprobe with Aggregationâ€Induced Emission and Activatable Photoactivity for the Targeted and Imageâ€Guided Photodynamic Ablation of Cancer Cells. Angewandte Chemie - International Edition, 2015, 54, 1780-1786.	13.8	461
49	Targeted Theranostic Platinum(IV) Prodrug with a Built-In Aggregation-Induced Emission Light-Up Apoptosis Sensor for Noninvasive Early Evaluation of Its Therapeutic Responses in Situ. Journal of the American Chemical Society, 2014, 136, 2546-2554.	13.7	439
50	Synergy between Twisted Conformation and Effective Intermolecular Interactions: Strategy for Efficient Mechanochromic Luminogens with High Contrast. Advanced Materials, 2013, 25, 2837-2843.	21.0	422
51	Clusterization-triggered emission: Uncommon luminescence from common materials. Materials Today, 2020, 32, 275-292.	14.2	407
52	Effect of CNT decoration with silver nanoparticles on electrical conductivity of CNT-polymer composites. Carbon, 2008, 46, 1497-1505.	10.3	399
53	Luminogenic polymers with aggregation-induced emission characteristics. Progress in Polymer Science, 2012, 37, 182-209.	24.7	396
54	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.	13.7	394

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55	Achieving Highâ€Performance Nondoped OLEDs with Extremely Small Efficiency Rollâ€Off by Combining Aggregationâ€Induced Emission and Thermally Activated Delayed Fluorescence. Advanced Functional Materials, 2017, 27, 1606458.	14.9	386
56	Effects of Substitution with Donorâ€“Acceptor Groups on the Properties of Tetraphenylethene Trimer: Aggregation-Induced Emission, Solvatochromism, and Mechanochromism. Journal of Physical Chemistry C, 2013, 117, 7334-7347.	3.1	385
57	Switching the light emission of (4-biphenylyl)phenyldibenzofulvene by morphological modulation: crystallization-induced emission enhancement. Chemical Communications, 2007, , 40-42.	4.1	384
58	Fluorescence enhancements of benzene-cored luminophors by restricted intramolecular rotations: AIE and AIEE effects. Chemical Communications, 2007, , 70-72.	4.1	381
59	Specific Detection of Integrin Î±_vÎ²₃ by Light-Up Bioprobe with Aggregation-Induced Emission Characteristics. Journal of the American Chemical Society, 2012, 134, 9569-9572.	13.7	378
60	AIE luminogens: emission brightened by aggregation. Materials Today, 2015, 18, 365-377.	14.2	378
61	Fluorescent Chemosensor for Detection and Quantitation of Carbon Dioxide Gas. Journal of the American Chemical Society, 2010, 132, 13951-13953.	13.7	374
62	Mechanochromic Luminescence of Aggregation-Induced Emission Luminogens. Journal of Physical Chemistry Letters, 2015, 6, 3429-3436.	4.6	368
63	Macrocycles and cages based on tetraphenylethylene with aggregation-induced emission effect. Chemical Society Reviews, 2018, 47, 7452-7476.	38.1	368
64	Processible Nanostructured Materials with Electrical Conductivity and Magnetic Susceptibility:â€‰ Preparation and Properties of Maghemite/Polyaniline Nanocomposite Films. Chemistry of Materials, 1999, 11, 1581-1589.	6.7	365
65	A Tetraphenylethylene Coreâ€Based 3D Structure Small Molecular Acceptor Enabling Efficient Nonâ€Fullerene Organic Solar Cells. Advanced Materials, 2015, 27, 1015-1020.	21.0	362
66	Long-Term Fluorescent Cellular Tracing by the Aggregates of AIE Bioconjugates. Journal of the American Chemical Society, 2013, 135, 8238-8245.	13.7	357
67	Creation of highly efficient solid emitter by decorating pyrene core with AIE-active tetraphenylethene peripheries. Chemical Communications, 2010, 46, 2221.	4.1	352
68	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.	13.7	351
69	Structural Control of the Photoluminescence of Silole Regioisomers and Their Utility as Sensitive Regiodiscriminating Chemosensors and Efficient Electroluminescent Materials. Journal of Physical Chemistry B, 2005, 109, 10061-10066.	2.6	349
70	Two-photon AIE bio-probe with large Stokes shift for specific imaging of lipid droplets. Chemical Science, 2017, 8, 5440-5446.	7.4	344
71	Rational design of a water-soluble NIR AIEgen, and its application in ultrafast wash-free cellular imaging and photodynamic cancer cell ablation. Chemical Science, 2018, 9, 3685-3693.	7.4	343
72	Aggregation-Induced Emission Luminogens for Activity-Based Sensing. Accounts of Chemical Research, 2019, 52, 2559-2570.	15.6	343

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73	Realâ€Time and Highâ€Resolution Bioimaging with Bright Aggregationâ€Induced Emission Dots in Shortâ€Wave Infrared Region. Advanced Materials, 2018, 30, e1706856.	21.0	341
74	A facile strategy for realizing room temperature phosphorescence and single molecule white light emission. Nature Communications, 2018, 9, 2963.	12.8	339
75	What makes efficient circularly polarised luminescence in the condensed phase: aggregation-induced circular dichroism and light emission. Chemical Science, 2012, 3, 2737.	7.4	338
76	Crystallization-induced dual emission from metal- and heavy atom-free aromatic acids and esters. Chemical Science, 2015, 6, 4438-4444.	7.4	335
77	Highly Efficient Nondoped OLEDs with Negligible Efficiency Rollâ€Off Fabricated from Aggregationâ€Induced Delayed Fluorescence Luminogens. Angewandte Chemie - International Edition, 2017, 56, 12971-12976.	13.8	320
78	Photostable fluorescent organic dots with aggregation-induced emission (AIE dots) for noninvasive long-term cell tracing. Scientific Reports, 2013, 3, 1150.	3.3	319
79	Aggregation-induced emission, self-assembly, and electroluminescence of 4,4â€²-bis(1,2,2-triphenylvinyl)biphenyl. Chemical Communications, 2010, 46, 686-688.	4.1	313
80	Assembly strategies of organic-based imaging agents for fluorescence and photoacoustic bioimaging applications. Chemical Society Reviews, 2020, 49, 21-31.	38.1	313
81	Aggregationâ€enhanced theranostics: AIE sparkles in biomedical field. Aggregate, 2020, 1, 80-106.	9.9	312
82	Functionalized Siloles: Versatile Synthesis, Aggregationâ€Induced Emission, and Sensory and Device Applications. Advanced Functional Materials, 2009, 19, 905-917.	14.9	311
83	Protein Detection and Quantitation by Tetraphenylethene-Based Fluorescent Probes with Aggregation-Induced Emission Characteristics. Journal of Physical Chemistry B, 2007, 111, 11817-11823.	2.6	309
84	Aggregation-induced Emission of Silole Molecules and Polymers: Fundamental and Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 249-285.	3.7	309
85	Enhanced Emission Efficiency and Excited State Lifetime Due to Restricted Intramolecular Motion in Silole Aggregates. Journal of Physical Chemistry B, 2005, 109, 1135-1140.	2.6	305
86	Highly Efficient Circularly Polarized Electroluminescence from Aggregationâ€Induced Emission Luminogens with Amplified Chirality and Delayed Fluorescence. Advanced Functional Materials, 2018, 28, 1800051.	14.9	302
87	Highly efficient photothermal nanoagent achieved by harvesting energy via excited-state intramolecular motion within nanoparticles. Nature Communications, 2019, 10, 768.	12.8	296
88	Evaluation of Structureâ€“Function Relationships of Aggregation-Induced Emission Luminogens for Simultaneous Dual Applications of Specific Discrimination and Efficient Photodynamic Killing of Gram-Positive Bacteria. Journal of the American Chemical Society, 2019, 141, 16781-16789.	13.7	295
89	An imidazole-functionalized polyacetylene: convenient synthesis and selective chemosensor for metal ions and cyanide. Chemical Communications, 2008, , 1094.	4.1	289
90	A superamplification effect in the detection of explosives by a fluorescent hyperbranched poly(silylenephenylene) with aggregation-enhanced emission characteristics. Polymer Chemistry, 2010, 1, 426-429.	3.9	288

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91	Light-driven transformable optical agent with adaptive functions for boosting cancer surgery outcomes. Nature Communications, 2018, 9, 1848.	12.8	286
92	Design of AIEgens for near-infrared IIb imaging through structural modulation at molecular and morphological levels. Nature Communications, 2020, 11, 1255.	12.8	283
93	A Ratiometric Fluorescent Probe Based on ESIPT and AIE Processes for Alkaline Phosphatase Activity Assay and Visualization in Living Cells. ACS Applied Materials & Interfaces, 2014, 6, 17245-17254.	8.0	281
94	Bright Near-Infrared Aggregation-Induced Emission Luminogens with Strong Two-Photon Absorption, Excellent Organelle Specificity, and Efficient Photodynamic Therapy Potential. ACS Nano, 2018, 12, 8145-8159.	14.6	281
95	Hyperbranched polytriazoles with high molecular compressibility: aggregation-induced emission and superamplified explosive detection. Journal of Materials Chemistry, 2011, 21, 4056.	6.7	275
96	Aggregation-induced emission: a coming-of-age ceremony at the age of eighteen. Science China Chemistry, 2019, 62, 1090-1098.	8.2	269
97	Conjugationâ€Induced Rigidity in Twisting Molecules: Filling the Gap Between Aggregationâ€Caused Quenching and Aggregationâ€Induced Emission. Advanced Materials, 2015, 27, 4496-4501.	21.0	268
98	Highly Efficient Photosensitizers with Farâ€Red/Nearâ€Infrared Aggregationâ€Induced Emission for In Vitro and In Vivo Cancer Theranostics. Advanced Materials, 2018, 30, e1802105.	21.0	266
99	Aggregation-Induced Emission of cis,cis-1,2,3,4-Tetraphenylbutadiene from Restricted Intramolecular Rotation. Journal of Physical Chemistry A, 2004, 108, 7522-7526.	2.5	265
100	Labelâ€Free Fluorescent Probing of Gâ€Quadruplex Formation and Realâ€Time Monitoring of DNA Folding by a Quaternized Tetraphenylethene Salt with Aggregationâ€Induced Emission Characteristics. Chemistry - A European Journal, 2008, 14, 6428-6437.	3.3	264
101	Aggregation-Induced Emission:â€‰ Effects of Molecular Structure, Solid-State Conformation, and Morphological Packing Arrangement on Light-Emitting Behaviors of Diphenyldibenzofulvene Derivatives. Journal of Physical Chemistry C, 2007, 111, 2287-2294.	3.1	259
102	Click Polymerization: Progresses, Challenges, and Opportunities. Macromolecules, 2010, 43, 8693-8702.	4.8	259
103	Tetraphenylpyrazine-based AIEgens: facile preparation and tunable light emission. Chemical Science, 2015, 6, 1932-1937.	7.4	259
104	An Allâ€Round Athlete on the Track of Phototheranostics: Subtly Regulating the Balance between Radiative and Nonradiative Decays for Multimodal Imagingâ€Guided Synergistic Therapy. Advanced Materials, 2020, 32, e2003210.	21.0	259
105	Aggregation-induced and crystallization-enhanced emissions of 1,2-diphenyl-3,4-bis(diphenylmethylene)-1-cyclobutene. Chemical Communications, 2007, , 3255.	4.1	257
106	Ultrabright Organic Dots with Aggregationâ€Induced Emission Characteristics for Realâ€Time Twoâ€Photon Intravital Vasculature Imaging. Advanced Materials, 2013, 25, 6083-6088.	21.0	255
107	Aggregate Science: From Structures to Properties. Advanced Materials, 2020, 32, e2001457.	21.0	254
108	NIRâ€II AIEgens: A Winâ€“Win Integration towards Bioapplications. Angewandte Chemie - International Edition, 2021, 60, 7476-7487.	13.8	253

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109	Clustering-Triggered Emission and Persistent Room Temperature Phosphorescence of Sodium Alginate. Biomacromolecules, 2018, 19, 2014-2022.	5.4	248
110	Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. Science China Chemistry, 2021, 64, 2060-2104.	8.2	248
111	Poly[(maleic anhydride)-alt-(vinyl acetate)]: A Pure Oxygenic Nonconjugated Macromolecule with Strong Light Emission and Solvatochromic Effect. Macromolecules, 2015, 48, 64-71.	4.8	242
112	High Performance of Simple Organic Phosphorescence Hostâ€“Guest Materials and their Application in Timeâ€Resolved Bioimaging. Advanced Materials, 2021, 33, e2007811.	21.0	242
113	Silole-Containing Polyacetylenes. Synthesis, Thermal Stability, Light Emission, Nanodimensional Aggregation, and Restricted Intramolecular Rotation. Macromolecules, 2003, 36, 1108-1117.	4.8	241
114	Circularlyâ€Polarized Luminescence (CPL) from Chiral AIE Molecules and Macrostructures. Small, 2016, 12, 6495-6512.	10.0	241
115	Cytophilic Fluorescent Bioprobes for Longâ€Term Cell Tracking. Advanced Materials, 2011, 23, 3298-3302.	21.0	238
116	Room temperature phosphorescence from natural products: Crystallization matters. Science China Chemistry, 2013, 56, 1178-1182.	8.2	236
117	Journey of Aggregation-Induced Emission Research. ACS Omega, 2018, 3, 3267-3277.	3.5	234
118	Polytriazoles with Aggregation-Induced Emission Characteristics: Synthesis by Click Polymerization and Application as Explosive Chemosensors. Macromolecules, 2009, 42, 1421-1424.	4.8	233
119	Locking the phenyl rings of tetraphenylethene step by step: understanding the mechanism of aggregation-induced emission. Chemical Communications, 2012, 48, 10675.	4.1	231
120	Liquid-crystalline and light-emitting polyacetylenes. Journal of Polymer Science Part A, 2003, 41, 2607-2629.	2.3	229
121	Multiple Antiâ€Counterfeiting Guarantees from a Simple Tetraphenylethylene Derivative â€“ Highâ€Contrasted and Multiâ€State Mechanochromism and Photochromism. Angewandte Chemie - International Edition, 2019, 58, 17814-17819.	13.8	229
122	Luminogenic materials constructed from tetraphenylethene building blocks: Synthesis, aggregation-induced emission, two-photon absorption, light refraction, and explosive detection. Journal of Materials Chemistry, 2012, 22, 232-240.	6.7	228
123	Designing Efficient and Ultralong Pure Organic Roomâ€Temperature Phosphorescent Materials by Structural Isomerism. Angewandte Chemie - International Edition, 2018, 57, 7997-8001.	13.8	224
124	Recent advances of AIE light-up probes for photodynamic therapy. Chemical Science, 2021, 12, 6488-6506.	7.4	224
125	Mitochondrionâ€Anchoring Photosensitizer with Aggregationâ€Induced Emission Characteristics Synergistically Boosts the Radiosensitivity of Cancer Cells to Ionizing Radiation. Advanced Materials, 2017, 29, 1606167.	21.0	222
126	Enhancement of Aggregationâ€Induced Emission in Dyeâ€Encapsulating Polymeric Micelles for Bioimaging. Advanced Functional Materials, 2010, 20, 1413-1423.	14.9	221

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127	Aggregation-Induced Emission: A Trailblazing Journey to the Field of Biomedicine. ACS Applied Bio Materials, 2018, 1, 1768-1786.	4.6	219
128	Highâ€Performance Nonâ€doped OLEDs with Nearly 100â€‰% Exciton Use and Negligible Efficiency Rollâ€Off. Angewandte Chemie - International Edition, 2018, 57, 9290-9294.	13.8	219
129	Fluorescent Light-Up Detection of Amine Vapors Based on Aggregation-Induced Emission. ACS Sensors, 2016, 1, 179-184.	7.8	218
130	FÃ¶rster Resonance Energy Transfer: An Efficient Way to Develop Stimulus-Responsive Room-Temperature Phosphorescence Materials and Their Applications. Matter, 2020, 3, 449-463.	10.0	218
131	Color-Tunable, Aggregation-Induced Emission of a Butterfly-Shaped Molecule Comprising a Pyran Skeleton and Two Cholesteryl Wings. Journal of Physical Chemistry B, 2007, 111, 2000-2007.	2.6	216
132	Hyperbranched Conjugated Polysiloles: Synthesis, Structure, Aggregation-Enhanced Emission, Multicolor Fluorescent Photopatterning, and Superamplified Detection of Explosives. Macromolecules, 2010, 43, 4921-4936.	4.8	216
133	Molecular anchors in the solid state: Restriction of intramolecular rotation boosts emission efficiency of luminogen aggregates to unity. Chemical Science, 2011, 2, 672-675.	7.4	216
134	Ultralong UV/mechano-excited room temperature phosphorescence from purely organic cluster excitons. Nature Communications, 2019, 10, 5161.	12.8	216
135	Robust Luminescent Materials with Prominent Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence for High-Performance Organic Light-Emitting Diodes. Chemistry of Materials, 2017, 29, 3623-3631.	6.7	215
136	Supersensitive detection of explosives by recyclable AIE luminogen-functionalized mesoporous materials. Chemical Communications, 2012, 48, 7167.	4.1	214
137	Highly Stable Organic Small Molecular Nanoparticles as an Advanced and Biocompatible Phototheranostic Agent of Tumor in Living Mice. ACS Nano, 2017, 11, 7177-7188.	14.6	212
138	Bright and Photostable Organic Fluorescent Dots with Aggregationâ€Induced Emission Characteristics for Noninvasive Longâ€Term Cell Imaging. Advanced Functional Materials, 2014, 24, 635-643.	14.9	210
139	Reversible Photochromic System Based on Rhodamine B Salicylaldehyde Hydrazone Metal Complex. Journal of the American Chemical Society, 2014, 136, 1643-1649.	13.7	209
140	Multiple yet Controllable Photoswitching in a Single AIEgen System. Journal of the American Chemical Society, 2018, 140, 1966-1975.	13.7	209
141	Construction of Efficient Deep Blue Aggregation-Induced Emission Luminogen from Triphenylethene for Nondoped Organic Light-Emitting Diodes. Chemistry of Materials, 2015, 27, 3892-3901.	6.7	208
142	Single-Molecular Near-Infrared-II Theranostic Systems: Ultrastable Aggregation-Induced Emission Nanoparticles for Long-Term Tracing and Efficient Photothermal Therapy. ACS Nano, 2018, 12, 11282-11293.	14.6	208
143	Molecular Engineering to Boost AIEâ€Active Free Radical Photogenerators and Enable Highâ€Performance Photodynamic Therapy under Hypoxia. Advanced Functional Materials, 2020, 30, 2002057.	14.9	208
144	Unusual Aggregationâ€Induced Emission of a Coumarin Derivative as a Result of the Restriction of an Intramolecular Twisting Motion. Angewandte Chemie - International Edition, 2015, 54, 14492-14497.	13.8	207

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145	Quantitation, Visualization, and Monitoring of Conformational Transitions of Human Serum Albumin by a Tetraphenylethene Derivative with Aggregation-Induced Emission Characteristics. Analytical Chemistry, 2010, 82, 7035-7043.	6.5	206
146	Pyrene-substituted ethenes: aggregation-enhanced excimer emission and highly efficient electroluminescence. Journal of Materials Chemistry, 2011, 21, 7210.	6.7	206
147	AIEgens for biological process monitoring and disease theranostics. Biomaterials, 2017, 146, 115-135.	11.4	206
148	Structural Modulation of Solidâ€State Emission of 2,5â€Bis(trialkylsilylethynyl)â€3,4â€diphenylsiloles. Angewandte Chemie - International Edition, 2009, 48, 7608-7611.	13.8	205
149	Benzothiazolium-functionalized tetraphenylethene: an AIE luminogen with tunable solid-state emission. Chemical Communications, 2012, 48, 8637.	4.1	205
150	AIE polymers: Synthesis and applications. Progress in Polymer Science, 2020, 100, 101176.	24.7	205
151	Synthesis, solvatochromism, aggregation-induced emission and cell imaging of tetraphenylethene-containing BODIPY derivatives with large Stokes shifts. Chemical Communications, 2012, 48, 10099.	4.1	204
152	Highly sensitive switching of solid-state luminescence by controlling intersystem crossing. Nature Communications, 2018, 9, 3044.	12.8	203
153	Ionization and Anionâ^Ï€⁺ Interaction: A New Strategy for Structural Design of Aggregation-Induced Emission Luminogens. Journal of the American Chemical Society, 2017, 139, 16974-16979.	13.7	201
154	Why Do Simple Molecules with â€œIsolatedâ€•Phenyl Rings Emit Visible Light?. Journal of the American Chemical Society, 2017, 139, 16264-16272.	13.7	201
155	Tuning Organelle Specificity and Photodynamic Therapy Efficiency by Molecular Function Design. ACS Nano, 2019, 13, 11283-11293.	14.6	199
156	Completely aqueous processable stimulus responsive organic room temperature phosphorescence materials with tunable afterglow color. Nature Communications, 2022, 13, 347.	12.8	199
157	Efficient Light Emitters in the Solid State: Synthesis, Aggregationâ€Induced Emission, Electroluminescence, and Sensory Properties of Luminogens with Benzene Cores and Multiple Triarylvinyl Peripherals. Advanced Functional Materials, 2012, 22, 378-389.	14.9	198
158	Fluorescent pH sensor constructed from a heteroatom-containing luminogen with tunable AIE and ICT characteristics. Chemical Science, 2013, 4, 3725.	7.4	198
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