Jie Yang

List of Publications by Year
in descending order

58 papers	6,185 citations	76196 40 h-index	138251 58 g-index
60 all docs	60 docs citations	60 times ranked	3717 citing authors

#	Article	IF	Citations
1	The influence of the molecular packing on the room temperature phosphorescence of purely organic luminogens. Nature Communications, 2018, 9, 840.	5.8	764
2	Organic luminescent materials: The concentration on aggregates from aggregationâ€induced emission. Aggregate, 2020, 1, 6-18.	5.2	288
3	Aggregation-induced emission: a coming-of-age ceremony at the age of eighteen. Science China Chemistry, 2019, 62, 1090-1098.	4.2	269
4	AIEgen with Fluorescenceâ€"Phosphorescence Dual Mechanoluminescence at Room Temperature. Angewandte Chemie - International Edition, 2017, 56, 880-884.	7.2	250
5	High Performance of Simple Organic Phosphorescence Hostâ€"Guest Materials and their Application in Timeâ€Resolved Bioimaging. Advanced Materials, 2021, 33, e2007811.	11.1	242
6	FÃ¶rster Resonance Energy Transfer: An Efficient Way to Develop Stimulus-Responsive Room-Temperature Phosphorescence Materials and Their Applications. Matter, 2020, 3, 449-463.	5.0	218
7	Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Roomâ€Temperature Phosphorescence. Angewandte Chemie - International Edition, 2017, 56, 15299-15303.	7.2	215
8	Blue AIEgens: approaches to control the intramolecular conjugation and the optimized performance of OLED devices. Journal of Materials Chemistry C, 2016, 4, 2663-2684.	2.7	214
9	Completely aqueous processable stimulus responsive organic room temperature phosphorescence materials with tunable afterglow color. Nature Communications, 2022, 13, 347.	5.8	199
10	Molecular Conformationâ€Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. Angewandte Chemie - International Edition, 2018, 57, 14174-14178.	7.2	170
11	Three polymorphs of one luminogen: how the molecular packing affects the RTP and AIE properties?. Journal of Materials Chemistry C, 2017, 5, 9242-9246.	2.7	164
12	Stimulus-responsive room temperature phosphorescence materials with full-color tunability from pure organic amorphous polymers. Science Advances, 2022, 8, eabl8392.	4.7	143
13	Unexpected room-temperature phosphorescence from a non-aromatic, low molecular weight, pure organic molecule through the intermolecular hydrogen bond. Materials Chemistry Frontiers, 2018, 2, 2124-2129.	3.2	138
14	Blue Aggregationâ€Induced Emission Luminogens: High External Quantum Efficiencies Up to 3.99% in LED Device, and Restriction of the Conjugation Length through Rational Molecular Design. Advanced Functional Materials, 2014, 24, 7645-7654.	7.8	137
15	Blue pyrene-based AIEgens: inhibited intermolecular Ï€â€"Ï€ stacking through the introduction of substituents with controllable intramolecular conjugation, and high external quantum efficiencies up to 3.46% in non-doped OLEDs. Materials Chemistry Frontiers, 2017, 1, 91-99.	3.2	135
16	Stimulus-Responsive Room Temperature Phosphorescence Materials: Internal Mechanism, Design Strategy, and Potential Application. Accounts of Materials Research, 2021, 2, 644-654.	5.9	131
17	Multistage Stimulusâ€Responsive Room Temperature Phosphorescence Based on Hostâ€"Guest Doping Systems. Angewandte Chemie - International Edition, 2021, 60, 20259-20263.	7.2	125
18	Construction of efficient blue AIE emitters with triphenylamine and TPE moieties for non-doped OLEDs. Journal of Materials Chemistry C, 2014, 2, 2028.	2.7	122

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19	Benzene-cored fluorophors with TPE peripheries: facile synthesis, crystallization-induced blue-shifted emission, and efficient blue luminogens for non-doped OLEDs. Journal of Materials Chemistry, 2012, 22, 12001.	6.7	114
20	â€œTurn-Onâ€•Fluorescent Probe for Mercury(II): High Selectivity and Sensitivity and New Design Approach by the Adjustment of the Ï€-Bridge. ACS Applied Materials & Interfaces, 2015, 7, 11369-11376.	4.0	113
21	Hostâ€“guest materials with room temperature phosphorescence: Tunable emission color and thermal printing patterns. SmartMat, 2020, 1, e1006.	6.4	112
22	Recent Progress in Functional Materials for Selective Detection and Removal of Mercury(II) Ions. Advanced Functional Materials, 2021, 31, .	7.8	109
23	Recent Advances in Purely Organic Room Temperature Phosphorescence Polymer. Chinese Journal of Polymer Science (English Edition), 2019, 37, 383-393.	2.0	105
24	Triphenylamine derivatives: different molecular packing and the corresponding mechanoluminescent or mechanochromism property. Journal of Materials Chemistry C, 2017, 5, 9879-9885.	2.7	103
25	Pyrene fused perylene diimides: synthesis, characterization and applications in organic field-effect transistors and optical limiting with high performance. Chemical Communications, 2015, 51, 7156-7159.	2.2	101
26	Stimulusâ€responsive room temperature phosphorescence in purely organic luminogens. InformaÄnÃ- MateriÃ¡ly, 2020, 2, 791-806.	8.5	100
27	Forceâ€Induced Turnâ€On Persistent Roomâ€Temperature Phosphorescence in Purely Organic Luminogen. Angewandte Chemie - International Edition, 2021, 60, 12335-12340.	7.2	98
28	Persistent organic room temperature phosphorescence: what is the role of molecular dimers?. Chemical Science, 2020, 11, 833-838.	3.7	94
29	AIEgen with Fluorescenceâ€“Phosphorescence Dual Mechanoluminescence at Room Temperature. Angewandte Chemie, 2017, 129, 898-902.	1.6	90
30	New Phenothiazine Derivatives That Exhibit Photoinduced Roomâ€Temperature Phosphorescence. Advanced Functional Materials, 2021, 31, 2101719.	7.8	84
31	Tunable Photoresponsive Behaviors Based on Triphenylamine Derivatives: The Pivotal Role of Ï€â€Conjugated Structure and Corresponding Application. Advanced Materials, 2021, 33, e2104002.	11.1	83
32	The oddâ€“even effect of alkyl chain in organic room temperature phosphorescence luminogens and the corresponding <i>in vivo</i> imaging. Materials Chemistry Frontiers, 2019, 3, 1391-1397.	3.2	81
33	Rational Molecular Design for Efficient Exciton Harvesting, and Deepâ€Blue OLED Application. Advanced Optical Materials, 2018, 6, 1800342.	3.6	80
34	Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Roomâ€Temperature Phosphorescence. Angewandte Chemie, 2017, 129, 15501-15505.	1.6	75
35	Light emission of organic luminogens: Generation, mechanism and application. Progress in Materials Science, 2022, 125, 100914.	16.0	69
36	New AIEgens containing tetraphenylethene and silole moieties: tunable intramolecular conjugation, aggregation-induced emission characteristics and good device performance. Journal of Materials Chemistry C, 2015, 3, 2624-2631.	2.7	67

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37	Pyrene-based blue AIEgens: tunable intramolecular conjugation, good hole mobility and reversible mechanochromism. Journal of Materials Chemistry C, 2016, 4, 8506-8513.	2.7	55
38	The initial attempt to reveal the emission processes of both mechanoluminescence and room temperature phosphorescence with the aid of circular dichroism in solid state. Science China Chemistry, 2021, 64, 445-451.	4.2	46
39	Halogenâ€Containing TPAâ€Based Luminogens: Different Molecular Packing and Different Mechanoluminescence. Advanced Optical Materials, 2019, 7, 1900505.	3.6	43
40	Twist versus Linkage Mode: Which One is Better for the Construction of Blue Luminogens with AIE Properties?. Chemistry - A European Journal, 2015, 21, 6862-6868.	1.7	42
41	Room-temperature phosphorescence from metal-free polymer-based materials. Cell Reports Physical Science, 2022, 3, 100663.	2.8	41
42	Molecular Conformationâ€Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. Angewandte Chemie, 2018, 130, 14370-14374.	1.6	39
43	AIEgens Conjugation Improves the Photothermal Efficacy and Near-Infrared Imaging of Heptamethine Cyanine IR-780. ACS Applied Materials & Interfaces, 2020, 12, 16114-16124.	4.0	38
44	Direct demonstration of triplet excimer in purely organic room temperature phosphorescence through rational molecular design. Light: Science and Applications, 2022, 11, 142.	7.7	37
45	Adjusting Organic Room-Temperature Phosphorescence with Orderly Stimulus-Responsive Molecular Motion in Crystals. Cell Reports Physical Science, 2020, 1, 100052.	2.8	36
46	The same molecule but a different molecular conformation results in a different room temperature phosphorescence in phenothiazine derivatives. Journal of Materials Chemistry C, 2021, 9, 15375-15380.	2.7	25
47	New AIEgens containing dibenzothiophene-S,S-dioxide and tetraphenylethene moieties: similar structures but very different hole/electron transport properties. Journal of Materials Chemistry C, 2015, 3, 5903-5909.	2.7	24
48	Forceâ€Induced Turnâ€On Persistent Roomâ€Temperature Phosphorescence in Purely Organic Luminogen. Angewandte Chemie, 2021, 133, 12443-12448.	1.6	24
49	Bright mechanoluminescent luminogens even in daylight through close intermolecular interaction with the characteristic of hybridized local and charge transfer (HLCT). Journal of Materials Chemistry C, 2020, 8, 10852-10858.	2.7	22
50	Pyrene-Based Blue AIEgen: Enhanced Hole Mobility and Good EL Performance in Solution-Processed OLEDs. Molecules, 2017, 22, 2144.	1.7	21
51	Multistage Stimulusâ€Responsive Room Temperature Phosphorescence Based on Hostâ€"Guest Doping Systems. Angewandte Chemie, 2021, 133, 20421-20425.	1.6	17
52	Synthesis of Solution Processable Blue AIEgens and the Device Performance. Acta Chimica Sinica, 2016, 74, 865.	0.5	14
53	Organic microporous crystals driven by pure Câ€"Hâ‹¯Ï€ interactions with vapor-induced crystal-to-crystal transformations. Materials Horizons, 2022, 9, 731-739.	6.4	14
54	Blue AIE luminogens bearing methyl groups: different linkage position, different number of methyl groups, and different intramolecular conjugation. Organic Chemistry Frontiers, 2015, 2, 1608-1615.	2.3	12

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55	New insight into intramolecular conjugation in the design of efficient blue materials: from the control of emission to absorption. Journal of Materials Chemistry C, 2017, 5, 6185-6192.	2.7	10
56	Recent Process of Photo-responsive Materials with Aggregation-induced Emission. Chemical Research in Chinese Universities, 2021, 37, 598-614.	1.3	10
57	Visual Imaging of Plasma Membrane: New Application for Aggregation Induced Emission (AIE) Probe. Chinese Journal of Organic Chemistry, 2019, 39, 3304.	0.6	10
58	Aggregation-Induced Emission Materials: The Art of Conjugation and Rotation. ACS Symposium Series, 2016, , 61-83.	0.5	3