Jie Yang

List of Publications by Year
in descending order

58	6,185	76196	138251
papers	citations	40 h-index	58 g-index

60	60	60	3717
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Room-temperature phosphorescence from metal-free polymer-based materials. Cell Reports Physical Science, 2022, 3, 100663.	2.8	41
3	Light emission of organic luminogens: Generation, mechanism and application. Progress in Materials Science, 2022, 125, 100914.	16.0	69
4	Completely aqueous processable stimulus responsive organic room temperature phosphorescence materials with tunable afterglow color. Nature Communications, 2022, 13, 347.	5.8	199
5	Stimulus-responsive room temperature phosphorescence materials with full-color tunability from pure organic amorphous polymers. Science Advances, 2022, 8, eabl8392.	4.7	143
6	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
7	Recent Progress in Functional Materials for Selective Detection and Removal of Mercury(II) Ions. Advanced Functional Materials, 2021, 31, .	7.8	109
8	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
9	High Performance of Simple Organic Phosphorescence Hostâ€“Guest Materials and their Application in Timeâ€Resolved Bioimaging. Advanced Materials, 2021, 33, e2007811.	11.1	242
10	Forceâ€Induced Turnâ€On Persistent Roomâ€Temperature Phosphorescence in Purely Organic Luminogen. Angewandte Chemie, 2021, 133, 12443-12448.	1.6	24
11	Recent Process of Photo-responsive Materials with Aggregation-induced Emission. Chemical Research in Chinese Universities, 2021, 37, 598-614.	1.3	10
12	Forceâ€Induced Turnâ€On Persistent Roomâ€Temperature Phosphorescence in Purely Organic Luminogen. Angewandte Chemie - International Edition, 2021, 60, 12335-12340.	7.2	98
13	Stimulus-Responsive Room Temperature Phosphorescence Materials: Internal Mechanism, Design Strategy, and Potential Application. Accounts of Materials Research, 2021, 2, 644-654.	5.9	131
14	New Phenothiazine Derivatives That Exhibit Photoinduced Roomâ€Temperature Phosphorescence. Advanced Functional Materials, 2021, 31, 2101719.	7.8	84
15	Multistage Stimulusâ€Responsive Room Temperature Phosphorescence Based on Hostâ€“Guest Doping Systems. Angewandte Chemie - International Edition, 2021, 60, 20259-20263.	7.2	125
16	Multistage Stimulusâ€Responsive Room Temperature Phosphorescence Based on Hostâ€“Guest Doping Systems. Angewandte Chemie, 2021, 133, 20421-20425.	1.6	17
17	Tunable Photoresponsive Behaviors Based on Triphenylamine Derivatives: The Pivotal Role of Ïâ€Conjugated Structure and Corresponding Application. Advanced Materials, 2021, 33, e2104002.	11.1	83
18	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

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19	Persistent organic room temperature phosphorescence: what is the role of molecular dimers?. Chemical Science, 2020, 11, 833-838.	3.7	94
20	Hostâ€“guest materials with room temperature phosphorescence: Tunable emission color and thermal printing patterns. SmartMat, 2020, 1, e1006.	6.4	112
21	Adjusting Organic Room-Temperature Phosphorescence with Orderly Stimulus-Responsive Molecular Motion in Crystals. Cell Reports Physical Science, 2020, 1, 100052.	2.8	36
22	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
23	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
24	Stimulusâ€responsive room temperature phosphorescence in purely organic luminogens. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 791-806.	8.5	100
25	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
26	Organic luminescent materials: The concentration on aggregates from aggregationâ€induced emission. Aggregate, 2020, 1, 6-18.	5.2	288
27	Aggregation-induced emission: a coming-of-age ceremony at the age of eighteen. Science China Chemistry, 2019, 62, 1090-1098.	4.2	269
28	Recent Advances in Purely Organic Room Temperature Phosphorescence Polymer. Chinese Journal of Polymer Science (English Edition), 2019, 37, 383-393.	2.0	105
29	Halogenâ€Containing TPAâ€Based Luminogens: Different Molecular Packing and Different Mechanoluminescence. Advanced Optical Materials, 2019, 7, 1900505.	3.6	43
30	The oddâ€“even effect of alkyl chain in organic room temperature phosphorescence luminogens and the corresponding in vivo imaging. Materials Chemistry Frontiers, 2019, 3, 1391-1397.	3.2	81
31	Visual Imaging of Plasma Membrane: New Application for Aggregation Induced Emission (AIE) Probe. Chinese Journal of Organic Chemistry, 2019, 39, 3304.	0.6	10
32	The influence of the molecular packing on the room temperature phosphorescence of purely organic luminogens. Nature Communications, 2018, 9, 840.	5.8	764
33	Molecular Conformationâ€Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. Angewandte Chemie - International Edition, 2018, 57, 14174-14178.	7.2	170
34	Molecular Conformationâ€Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. Angewandte Chemie, 2018, 130, 14370-14374.	1.6	39
35	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
36	Rational Molecular Design for Efficient Exciton Harvesting, and Deepâ€Blue OLED Application. Advanced Optical Materials, 2018, 6, 1800342.	3.6	80

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37	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
38	AIEgen with Fluorescenceâ€“Phosphorescence Dual Mechanoluminescence at Room Temperature. Angewandte Chemie - International Edition, 2017, 56, 880-884.	7.2	250
39	AIEgen with Fluorescenceâ€“Phosphorescence Dual Mechanoluminescence at Room Temperature. Angewandte Chemie, 2017, 129, 898-902.	1.6	90
40	Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Roomâ€Temperature Phosphorescence. Angewandte Chemie - International Edition, 2017, 56, 15299-15303.	7.2	215
41	Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Roomâ€Temperature Phosphorescence. Angewandte Chemie, 2017, 129, 15501-15505.	1.6	75
42	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
43	Triphenylamine derivatives: different molecular packing and the corresponding mechanoluminescent or mechanochromism property. Journal of Materials Chemistry C, 2017, 5, 9879-9885.	2.7	103
44	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
45	Pyrene-Based Blue AIEgen: Enhanced Hole Mobility and Good EL Performance in Solution-Processed OLEDs. Molecules, 2017, 22, 2144.	1.7	21
46	Aggregation-Induced Emission Materials: The Art of Conjugation and Rotation. ACS Symposium Series, 2016, , 61-83.	0.5	3
47	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
48	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
49	Synthesis of Solution Processable Blue AIEgens and the Device Performance. Acta Chimica Sinica, 2016, 74, 865.	0.5	14
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	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