Zhen Li

List of Publications by Year
in descending order

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293	16,080	13099 68	23533 111
papers	citations	h-index	g-index

295	295	295	11606
all docs	docs citations	times ranked	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.	12.8	764
2	Molecular Packing: Another Key Point for the Performance of Organic and Polymeric Optoelectronic Materials. Accounts of Chemical Research, 2020, 53, 962-973.	15.6	545
3	Molecular conformation and packing: their critical roles in the emission performance of mechanochromic fluorescence materials. Materials Chemistry Frontiers, 2017, 1, 2174-2194.	5.9	477
4	How the Molecular Packing Affects the Room Temperature Phosphorescence in Pure Organic Compounds: Ingenious Molecular Design, Detailed Crystal Analysis, and Rational Theoretical Calculations. Advanced Materials, 2017, 29, 1606829.	21.0	351
5	Organic luminescent materials: The concentration on aggregates from aggregationâ€induced emission. Aggregate, 2020, 1, 6-18.	9.9	288
6	Roomâ€Temperature Phosphorescence Resonance Energy Transfer for Construction of Nearâ€Infrared Afterglow Imaging Agents. Advanced Materials, 2020, 32, e2006752.	21.0	265
7	AIEgen with Fluorescenceâ€“Phosphorescence Dual Mechanoluminescence at Room Temperature. Angewandte Chemie - International Edition, 2017, 56, 880-884.	13.8	250
8	A stable tetraphenylethene derivative: aggregation-induced emission, different crystalline polymorphs, and totally different mechanoluminescence properties. Materials Horizons, 2016, 3, 220-225.	12.2	228
9	Highly Selective Reduction of CO₂ to C₂₊ Hydrocarbons at Copper/Polyaniline Interfaces. ACS Catalysis, 2020, 10, 4103-4111.	11.2	220
10	Ultralong UV/mechano-excited room temperature phosphorescence from purely organic cluster excitons. Nature Communications, 2019, 10, 5161.	12.8	216
11	Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Roomâ€Temperature Phosphorescence. Angewandte Chemie - International Edition, 2017, 56, 15299-15303.	13.8	215
12	Blue AIEgens: approaches to control the intramolecular conjugation and the optimized performance of OLED devices. Journal of Materials Chemistry C, 2016, 4, 2663-2684.	5.5	214
13	Fluorescence of Nonaromatic Organic Systems and Room Temperature Phosphorescence of Organic Luminogens: The Intrinsic Principle and Recent Progress. Small, 2018, 14, e1801560.	10.0	204
14	Visible/Near-Infrared-Light-Induced H₂ Production over g-C₃N₄ Co-sensitized by Organic Dye and Zinc Phthalocyanine Derivative. ACS Catalysis, 2015, 5, 504-510.	11.2	203
15	Construction of LRET-Based Nanoprobe Using Upconversion Nanoparticles with Confined Emitters and Bared Surface as Luminophore. Journal of the American Chemical Society, 2015, 137, 3421-3427.	13.7	187
16	Abnormal room temperature phosphorescence of purely organic boron-containing compounds: the relationship between the emissive behaviorand the molecular packing, and the potential related applications. Chemical Science, 2017, 8, 8336-8344.	7.4	176
17	A Rationally Designed Upconversion Nanoprobe for in Vivo Detection of Hydroxyl Radical. Journal of the American Chemical Society, 2015, 137, 11179-11185.	13.7	170
18	Molecular Conformationâ€Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. Angewandte Chemie - International Edition, 2018, 57, 14174-14178.	13.8	170

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19	Three polymorphs of one luminogen: how the molecular packing affects the RTP and AIE properties?. Journal of Materials Chemistry C, 2017, 5, 9242-9246.	5.5	164
20	New tetraphenylethene-based efficient blue luminophors: aggregation induced emission and partially controllable emitting color. Journal of Materials Chemistry, 2012, 22, 2478-2484.	6.7	162
21	A Mitochondrial-Targeting Near-Infrared Fluorescent Probe for Visualizing and Monitoring Viscosity in Live Cells and Tissues. Analytical Chemistry, 2019, 91, 10302-10309.	6.5	154
22	A Red Emissive Twoâ€Photon Fluorescence Probe Based on Carbon Dots for Intracellular pH Detection. Small, 2019, 15, e1901673.	10.0	150
23	Near-Infrared Light-Responsive Hydrogel for Specific Recognition and Photothermal Site-Release of Circulating Tumor Cells. ACS Nano, 2016, 10, 6201-6210.	14.6	146
24	From ACQ to AIE: the suppression of the strong Ï€â€“Ï€ interaction of naphthalene diimide derivatives through the adjustment of their flexible chains. Chemical Communications, 2016, 52, 11496-11499.	4.1	145
25	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.	5.9	138
26	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.	14.9	137
27	Novel Functional Conjugative Hyperbranched Polymers with Aggregationâ€Induced Emission: Synthesis Through Oneâ€Pot â€œA₂+B₄â€•Polymerization and Application as Explosive Chemsensors and PLEDs. Macromolecular Rapid Communications, 2012, 33, 164-171.	3.9	135
28	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.	5.9	135
29	Enhanced Hole Transportation for Inverted Tinâ€Based Perovskite Solar Cells with High Performance and Stability. Advanced Functional Materials, 2019, 29, 1808059.	14.9	133
30	A conjugated hyperbranched polymer constructed from carbazole and tetraphenylethylene moieties: convenient synthesis through one-pot â€œA2 + B4â€•Suzuki polymerization, aggregation-induced enhanced emission, and application as explosive chemosensors and PLEDs. Journal of Materials Chemistry, 2012, 22, 6374.	6.7	132
31	The Influence of Molecular Packing on the Emissive Behavior of Pyrene Derivatives: Mechanoluminescence and Mechanochromism. Advanced Optical Materials, 2018, 6, 1800198.	7.3	125
32	Construction of efficient blue AIE emitters with triphenylamine and TPE moieties for non-doped OLEDs. Journal of Materials Chemistry C, 2014, 2, 2028.	5.5	122
33	Dopantâ€Free Squaraineâ€Based Polymeric Holeâ€Transporting Materials with Comprehensive Passivation Effects for Efficient Allâ€Inorganic Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 17724-17730.	13.8	118
34	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	5.9	117
35	Mechanoluminescence or Roomâ€Temperature Phosphorescence: Molecular Packingâ€Dependent Emission Response. Angewandte Chemie - International Edition, 2019, 58, 17297-17302.	13.8	116
36	Convenient preparation of CsSnI₃ quantum dots, excellent stability, and the highest performance of lead-free inorganic perovskite solar cells so far. Journal of Materials Chemistry A, 2019, 7, 7683-7690.	10.3	116

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37	An N-nitrosation reactivity-based two-photon fluorescent probe for the specific in situ detection of nitric oxide. Chemical Science, 2017, 8, 4533-4538.	7.4	115
38	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
39	NIR in, far-red out: developing a two-photon fluorescent probe for tracking nitric oxide in deep tissue. Chemical Science, 2016, 7, 5230-5235.	7.4	114
40	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.	8.0	113
41	Hostâ€“guest materials with room temperature phosphorescence: Tunable emission color and thermal printing patterns. SmartMat, 2020, 1, e1006.	10.7	112
42	Bromineâ€Substituted Fluorene: Molecular Structure, Brâ€“Br Interactions, Roomâ€Temperature Phosphorescence, and Tricolor Triboluminescence. Angewandte Chemie - International Edition, 2018, 57, 16821-16826.	13.8	111
43	Enzyme-Responsive Bioprobes Based on the Mechanism of Aggregation-Induced Emission. ACS Applied Materials & Interfaces, 2018, 10, 12278-12294.	8.0	109
44	9,9â€Dimethylxanthene Derivatives with Roomâ€Temperature Phosphorescence: Substituent Effects and Emissive Properties. Angewandte Chemie - International Edition, 2020, 59, 9946-9951.	13.8	109
45	Portable Upconversion Nanoparticles-Based Paper Device for Field Testing of Drug Abuse. Analytical Chemistry, 2016, 88, 1530-1534.	6.5	107
46	Suppressing photo-oxidation of non-fullerene acceptors and their blends in organic solar cells by exploring material design and employing friendly stabilizers. Journal of Materials Chemistry A, 2019, 7, 25088-25101.	10.3	107
47	Tunable Aggregation-Induced Emission Nanoparticles by Varying Isolation Groups in Perylene Diimide Derivatives and Application in Three-Photon Fluorescence Bioimaging. ACS Nano, 2018, 12, 9532-9540.	14.6	106
48	Triphenylamine derivatives: different molecular packing and the corresponding mechanoluminescent or mechanochromism property. Journal of Materials Chemistry C, 2017, 5, 9879-9885.	5.5	103
49	Engineering NIR-IIb fluorescence of Er-based lanthanide nanoparticles for through-skull targeted imaging and imaging-guided surgery of orthotopic glioma. Nano Today, 2020, 34, 100905.	11.9	100
50	Stimulusâ€responsive room temperature phosphorescence in purely organic luminogens. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 791-806.	17.3	100
51	Interface-Enhanced Catalytic Selectivity on the C₂ Products of CO₂ Electroreduction. ACS Catalysis, 2021, 11, 2473-2482.	11.2	92
52	AIEgen with Fluorescenceâ€“Phosphorescence Dual Mechanoluminescence at Room Temperature. Angewandte Chemie, 2017, 129, 898-902.	2.0	90
53	Breaking Through the Signal-to-Background Limit of Upconversion Nanoprobes Using a Target-Modulated Sensitizing Switch. Journal of the American Chemical Society, 2018, 140, 14696-14703.	13.7	89
54	Polyphenylbenzene as a Platform for Deep-Blue OLEDs: Aggregation Enhanced Emission and High External Quantum Efficiency of 3.98%. Chemistry of Materials, 2015, 27, 1847-1854.	6.7	88

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55	Lighting Up NIR-II Fluorescence in Vivo: An Activable Probe for Noninvasive Hydroxyl Radical Imaging. Analytical Chemistry, 2019, 91, 15757-15762.	6.5	88
56	Aggregationâ€induced emission: Red and nearâ€infrared organic lightâ€emitting diodes. SmartMat, 2021, 2, 326-346.	10.7	88
57	High performance organic sensitizers based on 11,12-bis(hexyloxy) dibenzo[a,c]phenazine for dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 18830.	6.7	86
58	Benzene-cored AIEgens for deep-blue OLEDs: high performance without hole-transporting layers, and unexpected excellent host for orange emission as a side-effect. Chemical Science, 2016, 7, 4355-4363.	7.4	85
59	New Phenothiazine Derivatives That Exhibit Photoinduced Roomâ€Temperature Phosphorescence. Advanced Functional Materials, 2021, 31, 2101719.	14.9	84
60	Modification of the Intermediate Binding Energies on Ni/Ni₃N Heterostructure for Enhanced Alkaline Hydrogen Oxidation Reaction. Advanced Functional Materials, 2021, 31, 2106156.	14.9	84
61	Novel AIE-active ratiometric fluorescent probes for mercury(<scp>ii</scp>) based on the Hg²⁺-promoted deprotection of thioketal, and good mechanochromic properties. Journal of Materials Chemistry C, 2018, 6, 773-780.	5.5	82
62	Novel pyrrole-based dyes for dye-sensitized solar cells: From rod-shape to â€œHâ€type. Journal of Materials Chemistry, 2012, 22, 6689.	6.7	81
63	Rational Molecular Design for Efficient Exciton Harvesting, and Deepâ€Blue OLED Application. Advanced Optical Materials, 2018, 6, 1800342.	7.3	80
64	Mobile Phone Flashlightâ€Excited Red Afterglow Bioimaging. Advanced Materials, 2022, 34, e2201280.	21.0	79
65	Miracles of molecular uniting. Science China Materials, 2020, 63, 177-184.	6.3	77
66	Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Roomâ€Temperature Phosphorescence. Angewandte Chemie, 2017, 129, 15501-15505.	2.0	75
67	Novel global-like second-order nonlinear optical dendrimers: convenient synthesis through powerful click chemistry and large NLO effects achieved by using simple azo chromophore. Chemical Science, 2012, 3, 1256.	7.4	70
68	Construction of high strength hollow fibers by self-assembly of a stiff polysaccharide with short branches in water. Journal of Materials Chemistry A, 2013, 1, 4198.	10.3	69
69	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.	5.5	67
70	9,9â€Dimethylxanthene Derivatives with Roomâ€Temperature Phosphorescence: Substituent Effects and Emissive Properties. Angewandte Chemie, 2020, 132, 10032-10037.	2.0	66
71	Multiple Luminescence Responses towards Mechanical Stimulus and Photoâ€Induction: The Key Role of the Stuck Packing Mode and Tunable Intermolecular Interactions. Chemistry - A European Journal, 2019, 25, 7031-7037.	3.3	64
72	Merocyanine with Hole-Transporting Ability and Efficient Defect Passivation Effect for Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 869-876.	17.4	64

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73	Thermally Activated Delayed Fluorescent Polymers. Journal of Polymer Science Part A, 2017, 55, 575-584.	2.3	62
74	New Azo Chromophoreâ€Containing Conjugated Polymers: Facile Synthesis by Using â€œClickâ€•Chemistry and Enhanced Nonlinear Optical Properties Through the Introduction of Suitable Isolation Groups. Macromolecular Rapid Communications, 2008, 29, 136-141.	3.9	61
75	Photoresponsive immunomagnetic nanocarrier for capture and release of rare circulating tumor cells. Chemical Science, 2015, 6, 6432-6438.	7.4	60
76	AIE probes towards biomolecules: the improved selectivity with the aid of graphene oxide. Science China Chemistry, 2015, 58, 1800-1809.	8.2	59
77	Janus second-order nonlinear optical dendrimers: their controllable molecular topology and corresponding largely enhanced performance. Chemical Science, 2017, 8, 340-347.	7.4	59
78	Facile-Effective Hole-Transporting Materials Based on Dibenzo[a,c]carbazole: The Key Role of Linkage Position to Photovoltaic Performance of Perovskite Solar Cells. ACS Energy Letters, 2019, 4, 2514-2521.	17.4	59
79	Materials for Interfaces in Organic Solar Cells and Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 3301-3326.	8.0	59
80	Precise Regulation of Distance between Associated Pyrene Units and Control of Emission Energy and Kinetics in Solid State. CCS Chemistry, 2021, 3, 274-286.	7.8	58
81	New PVKâ€based nonlinear optical polymers: Enhanced nonlinearity and improved transparency. Journal of Polymer Science Part A, 2008, 46, 2983-2993.	2.3	57
82	Recyclable mechanoluminescent luminogen: different polymorphs, different self-assembly effects of the thiophene moiety and recovered molecular packing via simple thermal-treatment. Materials Chemistry Frontiers, 2019, 3, 32-38.	5.9	57
83	Functionalized polyacetylenes with strong luminescence: â€œturn-onâ€•fluorescent detection of cyanide based on the dissolution of gold nanoparticles and its application in real samples. Journal of Materials Chemistry, 2012, 22, 5581.	6.7	55
84	Pyrene-based blue AIEgens: tunable intramolecular conjugation, good hole mobility and reversible mechanochromism. Journal of Materials Chemistry C, 2016, 4, 8506-8513.	5.5	55
85	Progress of pyrene-based organic semiconductor in organic field effect transistors. Science China Chemistry, 2016, 59, 1623-1631.	8.2	52
86	Similar or Totally Different: the Adjustment of the Twist Conformation Through Minor Structural Modification, and Dramatically Improved Performance for Dyeâ€Sensitized Solar Cell. Advanced Energy Materials, 2015, 5, 1500846.	19.5	51
87	Removing the Obstacle of Dyeâ€Sensitized Upconversion Luminescence in Aqueous Phase to Achieve Highâ€Contrast Deep Imaging In Vivo. Advanced Functional Materials, 2020, 30, 1910765.	14.9	51
88	The Progress of Circularly Polarized Luminescence in Chiral Purely Organic Materials. Advanced Photonics Research, 2021, 2, 2000136.	3.6	51
89	Holeâ€Transporting Materials for Perovskite Solar Cells. Asian Journal of Organic Chemistry, 2018, 7, 2182-2200.	2.7	49
90	In Situ Imaging of Cysteine in the Brains of Mice with Epilepsy by a Near-Infrared Emissive Fluorescent Probe. Analytical Chemistry, 2020, 92, 2802-2808.	6.5	49

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91	Reaction-based conjugated polymer fluorescent probe for mercury(<scp>ii</scp>): good sensing performance with â€œturn-onâ€•signal output. Polymer Chemistry, 2017, 8, 2221-2226.	3.9	48
92	Roomâ€Temperature Phosphorescence Invoked Through Norbornylâ€Driven Intermolecular Interaction Intensification with Anomalous Reversible Solidâ€State Photochromism. Angewandte Chemie - International Edition, 2020, 59, 20161-20166.	13.8	47
93	A pseudo-two-dimensional conjugated polysquaraine: an efficient p-type polymer semiconductor for organic photovoltaics and perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 13644-13651.	10.3	47
94	New series of AB₂â€type hyperbranched polytriazoles derived from the same polymeric intermediate: Different endcapping spacers with adjustable bulk and convenient syntheses via click chemistry under copper(I) catalysis. Journal of Polymer Science Part A, 2011, 49, 1977-1987.	2.3	45
95	Hole Transport Materials Based on 6,12â€Dihydroindeno[1,2â€b]fluorine with Different Periphery Groups: A New Strategy for Dopantâ€Free Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1901296.	14.9	45
96	Second-order nonlinear optical dendrimers containing different types of isolation groups: convenient synthesis through powerful â€œclick chemistryâ€•and large NLO effects. Journal of Materials Chemistry C, 2013, 1, 717-728.	5.5	44
97	Tetraphenylcyclopentadiene Derivatives: Aggregationâ€Induced Emission, Adjustable Luminescence from Green to Blue, Efficient Undoped OLED Performance and Good Mechanochromic Properties. Small, 2016, 12, 6623-6632.	10.0	44
98	Halogenâ€Containing TPAâ€Based Luminogens: Different Molecular Packing and Different Mechanoluminescence. Advanced Optical Materials, 2019, 7, 1900505.	7.3	43
99	Partially Controlling Molecular Packing to Achieve Offâ€“On Mechanochromism through Ingenious Molecular Design. Advanced Optical Materials, 2020, 8, 1902036.	7.3	43
100	Aromatic/perfluoroaromatic self-assembly effect: an effective strategy to improve the NLO effect. Journal of Materials Chemistry, 2012, 22, 18486.	6.7	42
101	A relay strategy for the mercury (II) chemodosimeter with ultra-sensitivity as test strips. Scientific Reports, 2015, 5, 15987.	3.3	42
102	Second-Order Nonlinear Optical Dendrimers and Dendronized Hyperbranched Polymers. Chemical Record, 2017, 17, 71-89.	5.8	42
103	Molecular Uniting Set Identified Characteristic (<scp>MUSIC</scp>) of Organic Optoelectronic Material. Chinese Journal of Chemistry, 2022, 40, 2356-2370.	4.9	42
104	How the linkage positions affect the performance of bulk-heterojunction polymer solar cells. Journal of Materials Chemistry, 2012, 22, 12523.	6.7	41
105	The marriage of AIE and interface engineering: convenient synthesis and enhanced photovoltaic performance. Chemical Science, 2017, 8, 3750-3758.	7.4	41
106	To form AIE product with the target analyte: A new strategy for excellent fluorescent probes, and convenient detection of hydrazine in seconds with test strips. Science China Chemistry, 2017, 60, 1596-1601.	8.2	41
107	Structural Design of Blueâ€toâ€Red Thermallyâ€Activated Delayed Fluorescence Molecules by Adjusting the Strength between Donor and Acceptor. Asian Journal of Organic Chemistry, 2020, 9, 1262-1276.	2.7	41
108	Room temperature phosphorescence achieved by aromatic/perfluoroaromatic interactions. Science China Chemistry, 2022, 65, 918-925.	8.2	41

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109	Influences of Conjugation Extent on the Aggregationâ€Induced Emission Quantum Efficiency in Silole Derivatives: A Computational Study. Chemistry - an Asian Journal, 2015, 10, 2154-2161.	3.3	40
110	Dendronized hyperbranched polymers containing isolation chromophores: design, synthesis and further enhancement of the comprehensive NLO performance. Polymer Chemistry, 2015, 6, 5580-5589.	3.9	40
111	A new polyfluorene bearing pyridine moieties: a sensitive fluorescent chemosensor for metal ions and cyanide. Polymer Chemistry, 2012, 3, 1446.	3.9	39
112	Molecular Conformationâ€Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. Angewandte Chemie, 2018, 130, 14370-14374.	2.0	39
113	Phenanthroimidazole derivatives with minor structural differences: crystalline polymorphisms, different molecular packing, and totally different mechanoluminescence. Journal of Materials Chemistry C, 2019, 7, 13759-13763.	5.5	39
114	Insight from the old: mechanochromism and mechanoluminescence of two amine-containing tetraphenylethylene isomers. Journal of Materials Chemistry C, 2019, 7, 11790-11796.	5.5	38
115	New hyperbranched polyaryleneethynylene containing azobenzenechromophore moieties in the main chain: facile synthesis, large optical nonlinearity and high thermal stability. Polymer Chemistry, 2010, 1, 78-81.	3.9	37
116	A highly sensitive and selective fluorescent probe for hypochlorite in pure water with aggregation induced emission characteristics. Faraday Discussions, 2017, 196, 427-438.	3.2	37
117	Upconversion System with Quantum Dots as Sensitizer: Improved Photoluminescence and PDT Efficiency. ACS Applied Materials & Interfaces, 2019, 11, 41100-41108.	8.0	37
118	Intermolecular electronic coupling of 9-methyl-9H-dibenzo[a,[c] carbazole for strong emission in aggregated state by substituent effect. Science China Chemistry, 2020, 63, 1435-1442.	8.2	36
119	Modulating the Luminescence of Upconversion Nanoparticles with Heavy Metal Ions: A New Strategy for Probe Design. Analytical Chemistry, 2016, 88, 9989-9995.	6.5	35
120	Visualizing Oxidative Stress Level for Timely Assessment of Ischemic Stroke via a Ratiometric Near-Infrared-II Luminescent Nanoprobe. ACS Nano, 2021, 15, 11940-11952.	14.6	35
121	Synthesis and characterization of a new disubstituted polyacetylene containing indolylazo moieties in side chains. Journal of Polymer Science Part A, 2006, 44, 5672-5681.	2.3	34
122	New second-order nonlinear optical (NLO) hyperbranched polymers containing isolation chromophore moieties derived from one-pot â€œA2 + B4â€•approach via Suzuki coupling reaction. RSC Advances, 2012, 2, 6520.	3.6	34
123	Water-soluble graphene sheets with large optical limiting response via non-covalent functionalization with polyacetylenes. Journal of Materials Chemistry, 2012, 22, 22624.	6.7	34
124	Halogen-substituted triphenylamine derivatives with intense mechanoluminescence properties. Journal of Materials Chemistry C, 2019, 7, 12256-12262.	5.5	34
125	Assemblyâ€Induced Emission of Cellulose Nanocrystals for Hiding Information. Particle and Particle Systems Characterization, 2019, 36, 1800412.	2.3	34
126	The influence of intermolecular interactions and molecular packings on mechanochromism and mechanoluminescence â€“ a tetraphenylethylene derivative case. Journal of Materials Chemistry C, 2019, 7, 12709-12716.	5.5	34

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127	Monitoring Neuroinflammation with an HOCl-Activatable and Bloodâ€“Brain Barrier Permeable Upconversion Nanoprobe. Analytical Chemistry, 2020, 92, 5569-5576.	6.5	34
128	The introduction of conjugated isolation groups into the common acceptor cyanoacrylic acid: an efficient strategy to suppress the charge recombination in dye sensitized solar cells and the dramatically improved efficiency from 5.89% to 9.44%. Journal of Materials Chemistry A, 2016, 4, 16403-16409.	10.3	33
129	Organic luminogens bearing alkyl substituents: design flexibility, adjustable molecular packing, and optimized performance. Materials Chemistry Frontiers, 2021, 5, 1525-1540.	5.9	33
130	Triphenylamine-based Ï€-conjugated dendrimers: convenient synthesis, easy solution processability, and good hole-transporting properties. Journal of Materials Chemistry C, 2015, 3, 2016-2023.	5.5	32
131	Polyurethanes Containing Indoleâ€Based Nonâ€Linear Optical Chromophores: from Linear Chromophore to Hâ€Type. Macromolecular Rapid Communications, 2008, 29, 798-803.	3.9	31
132	New hyperbranched secondâ€order nonlinear optical poly(aryleneâ€ethynylene)s containing pentafluoroaromatic rings as isolation group: Facile synthesis and enhanced optical nonlinearity through Arâ€Ar^F selfâ€assembly effect. Journal of Polymer Science Part A, 2012, 50, 5124-5133.	2.3	31
133	Synthesis, characterization and photovoltaic performances of Dâ€“A copolymers based on BDT and DBPz: the largely improved performance caused by additional thiophene blocks. Journal of Materials Chemistry A, 2013, 1, 4508.	10.3	31
134	New â€œX-typeâ€•second-order nonlinear optical (NLO) dendrimers: fewer chromophore moieties and high NLO effects. Journal of Materials Chemistry C, 2015, 3, 4545-4552.	5.5	31
135	Functionalization of graphene by tetraphenylethylene using nitrene chemistry. RSC Advances, 2012, 2, 7042.	3.6	28
136	Different Effect of the Additional Electron-Withdrawing Cyano Group in Different Conjugation Bridge: The Adjusted Molecular Energy Levels and Largely Improved Photovoltaic Performance. ACS Applied Materials & Interfaces, 2016, 8, 12134-12140.	8.0	28
137	Organic Dyes based on Tetraarylâ€1,4â€dihydropyrroloâ€[3,2â€b]pyrroles for Photovoltaic and Photocatalysis Applications with the Suppressed Electron Recombination. Chemistry - A European Journal, 2018, 24, 18032-18042.	3.3	28
138	Janus molecules: large second-order nonlinear optical performance, good temporal stability, excellent thermal stability and spherical structure with optimized dendrimer structure. Materials Chemistry Frontiers, 2018, 2, 1374-1382.	5.9	28
139	Perylene diimide-based cathode interfacial materials: adjustable molecular structures and conformation, optimized film morphology, and much improved performance of non-fullerene polymer solar cells. Materials Chemistry Frontiers, 2019, 3, 1840-1848.	5.9	28
140	Cyanineâ€Doped Lanthanide Metalâ€“Organic Frameworks for Nearâ€Infrared II Bioimaging. Advanced Science, 2022, 9, e2104561.	11.2	28
141	New indoleâ€containing luminophores: convenient synthesis and aggregationâ€induced emission enhancement. Journal of Physical Organic Chemistry, 2009, 22, 241-246.	1.9	27
142	Arâ€“Ar^F Selfâ€Assembly of Starâ€Shaped Secondâ€Order Nonlinear Optical Chromophores Achieving Large Macroscopic Nonlinearities. Advanced Electronic Materials, 2017, 3, 1700138.	5.1	27
143	Pyrene-fused PDI based ternary solar cells: high power conversion efficiency over 10%, and improved device thermal stability. Materials Chemistry Frontiers, 2019, 3, 93-102.	5.9	27
144	Similar or different: the same Spiro-core but different alkyl chains with apparently improved device performance of perovskite solar cells. Science China Chemistry, 2019, 62, 739-745.	8.2	27

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145	Strategies for Constructing Upconversion Luminescence Nanoprobes to Improve Signal Contrast. Small, 2020, 16, e1905084.	10.0	27
146	Dye-Sensitized Rare Earth-Doped Nanoparticles with Boosted NIR-IIb Emission for Dynamic Imaging of Vascular Network-Related Disorders. ACS Applied Materials & Interfaces, 2021, 13, 29303-29312.	8.0	27
147	Copolymer of Fluorene and Triphenylamine Moieties: Direct and Postâ€Functionalization Strategy, Structural Characterization, and Chemosensoring Behavior. Macromolecular Chemistry and Physics, 2010, 211, 18-26.	2.2	26
148	A series of AB2-type second-order nonlinear optical (NLO) polyaryleneethynylenes: using different end-capped spacers with adjustable bulk to achieve high NLO coefficients. Polymer Chemistry, 2013, 4, 2361.	3.9	26
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