Jianbing Shi

List of Publications by Year in descending order

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97 papers	4,159 citations	101543 36 h-index	128289 60 g-index
99 all docs	99 docs citations	99 times ranked	3599 citing authors

#	Article	IF	Citations
1	A novel â€œturn-onâ€•fluorescent chemosensor for the selective detection ofAl3+ based on aggregation-induced emission. Chemical Communications, 2012, 48, 416-418.	4.1	346
2	Wideâ€Range Colorâ€Tunable Organic Phosphorescence Materials for Printable and Writable Security Inks. Angewandte Chemie - International Edition, 2020, 59, 16054-16060.	13.8	340
3	Recent Progress in Pure Organic Room Temperature Phosphorescence of Small Molecular Hostâ€“Guest Systems. , 2021, 3, 379-397.		155
4	Aggregation-Induced Emission Enhancement of Aryl-Substituted Pyrrole Derivatives. Journal of Physical Chemistry B, 2010, 114, 16731-16736.	2.6	139
5	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	5.9	117
6	Reversible and hydrogen bonding-assisted piezochromic luminescence for solid-state tetraaryl-buta-1,3-diene. Chemical Communications, 2013, 49, 7049.	4.1	115
7	Halogen Bonding: A New Platform for Achieving Multiâ€Stimuliâ€Responsive Persistent Phosphorescence. Angewandte Chemie - International Edition, 2022, 61, .	13.8	111
8	A highly sensitive, single selective, real-time and â€œturn-onâ€•fluorescent sensor for Al3+ detection in aqueous media. Journal of Materials Chemistry, 2012, 22, 19296.	6.7	110
9	Pillar[5]arene-based side-chain polypseudorotaxanes as an anion-responsive fluorescent sensor. Polymer Chemistry, 2013, 4, 2224.	3.9	101
10	Thiolâ^'Yne Click Polymerization: Regio- and Stereoselective Synthesis of Sulfur-Rich Acetylenic Polymers with Controllable Chain Conformations and Tunable Optical Properties. Macromolecules, 2011, 44, 68-79.	4.8	100
11	Quantitation of Albumin in Serum Using â€œTurn-onâ€•Fluorescent Probe with Aggregation-Enhanced Emission Characteristics. ACS Applied Materials & Interfaces, 2015, 7, 26094-26100.	8.0	93
12	Revealing Insight into Long-Lived Room-Temperature Phosphorescence of Hostâ€“Guest Systems. Journal of Physical Chemistry Letters, 2019, 10, 6019-6025.	4.6	90
13	Rational design of pyrrole derivatives with aggregation-induced phosphorescence characteristics for time-resolved and two-photon luminescence imaging. Nature Communications, 2021, 12, 4883.	12.8	90
14	Efficient and organic hostâ€“guest room-temperature phosphorescence: tunable tripletâ€“singlet crossing and theoretical calculations for molecular packing. Chemical Science, 2021, 12, 6518-6525.	7.4	83
15	Crystallization-Induced Emission Enhancement in a Phosphorus-Containing Heterocyclic Luminogen. Journal of Physical Chemistry B, 2009, 113, 9098-9103.	2.6	80
16	Achieving Efficient Phosphorescence and Mechanoluminescence in Organic Hostâ€“Guest System by Energy Transfer. Advanced Functional Materials, 2021, 31, 2108072.	14.9	74
17	Control of Dynamics in Polyelectrolyte Complexes by Temperature and Salt. Macromolecules, 2019, 52, 1930-1941.	4.8	70
18	Clusterization-Triggered Color-Tunable Room-Temperature Phosphorescence from 1,4-Dihydropyridine-Based Polymers. Journal of the American Chemical Society, 2022, 144, 1361-1369.	13.7	70

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19	Diaminomaleonitrile-based Schiff bases: aggregation-enhanced emission, red fluorescence, mechanochromism and bioimaging applications. Journal of Materials Chemistry C, 2016, 4, 10430-10434.	5.5	65
20	Ferrocene-Functionalized Hyperbranched Polyphenylenes: Synthesis, Redox Activity, Light Refraction, Transition-Metal Complexation, and Precursors to Magnetic Ceramics. Macromolecules, 2010, 43, 680-690.	4.8	58
21	Red fluorescent luminogen from pyrrole derivatives with aggregation-enhanced emission for cell membrane imaging. Chemical Communications, 2015, 51, 8555-8558.	4.1	54
22	Fluorene-based host-guest phosphorescence materials for information encryption. Chemical Engineering Journal, 2021, 426, 131607.	12.7	54
23	The Dualâ€State Luminescent Mechanism of 2,3,4,5â€Tetraphenylâ€1Hâ€pyrrole. Chemistry - A European Journal, 2018, 24, 14269-14274.	3.3	51
24	Tunable fluorescence conjugated copolymers consisting of tetraphenylethylene and fluorene units: From aggregationâ€induced emission enhancement to dualâ€channel fluorescence response. Journal of Polymer Science Part A, 2013, 51, 229-240.	2.3	50
25	A strategy for the molecular design of aggregation-induced emission units further modified by substituents. Materials Chemistry Frontiers, 2018, 2, 1175-1183.	5.9	50
26	Polymorphism-dependent aggregation-induced emission of pyrrolopyrrole-based derivative and its multi-stimuli response behaviors. Dyes and Pigments, 2017, 139, 664-671.	3.7	48
27	Hyperbranched Poly(ferrocenylphenylenes):Â Synthesis, Characterization, Redox Activity, Metal Complexation, Pyrolytic Ceramization, and Soft Ferromagnetism. Macromolecules, 2007, 40, 8195-8204.	4.8	45
28	DMF-induced emission of an aryl-substituted pyrrole derivative: a solid thermo-responsive material to detect temperature in a specific range. Journal of Materials Chemistry C, 2013, 1, 7534.	5.5	42
29	MDM2â€Associated Clusterizationâ€Triggered Emission and Apoptosis Induction Effectuated by a Theranostic Spiropolymer. Angewandte Chemie - International Edition, 2020, 59, 8435-8439.	13.8	42
30	Wideâ€Range Colorâ€Tunable Organic Phosphorescence Materials for Printable and Writable Security Inks. Angewandte Chemie, 2020, 132, 16188-16194.	2.0	40
31	1,2,5â€Triphenylpyrrole Derivatives with Dual Intense Photoluminescence in Both Solution and the Solid State: Solvatochromism and Polymorphic Luminescence Properties. Chemistry - A European Journal, 2019, 25, 573-581.	3.3	39
32	A novel strategy for realizing dual state fluorescence and low-temperature phosphorescence. Materials Chemistry Frontiers, 2019, 3, 284-291.	5.9	39
33	Red-Emissive Organic Room-Temperature Phosphorescence Material for Time-Resolved Luminescence Bioimaging. CCS Chemistry, 2022, 4, 2550-2559.	7.8	39
34	Effect of E/Z isomerization on the aggregation-induced emission features and mechanochromic performance of dialdehyde-substituted hexaphenyl-1,3-butadiene. Dyes and Pigments, 2016, 133, 354-362.	3.7	38
35	Application of a Novel â€œTurn-onâ€•Fluorescent Material to the Detection of Aluminum Ion in Blood Serum. ACS Applied Materials & Interfaces, 2018, 10, 23667-23673.	8.0	38
36	Mechanochromic Behavior of Arylâ€Substituted Butaâ€1,3â€Diene Derivatives with Aggregation Enhanced Emission. Chemistry - A European Journal, 2014, 20, 8856-8861.	3.3	37

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37	A fluorescent probe with an aggregation-enhanced emission feature for real-time monitoring of low carbon dioxide levels. Journal of Materials Chemistry C, 2015, 3, 7621-7626.	5.5	37
38	A â€œTurn-Onâ€•fluorescent chemosensor with the aggregation-induced emission characteristic for high-sensitive detection of Ce ion. Sensors and Actuators B: Chemical, 2018, 267, 351-356.	7.8	37
39	Functional Isocyanide-Based Polymers. Accounts of Chemical Research, 2020, 53, 2879-2891.	15.6	37
40	The fluorescent bioprobe with aggregation-induced emission features for monitoring to carbon dioxide generation rate in single living cell and early identification of cancer cells. Biomaterials, 2016, 103, 67-74.	11.4	34
41	Real time bioimaging for mitochondria by taking the aggregation process of aggregation-induced emission near-infrared dyes with wash-free staining. Materials Chemistry Frontiers, 2019, 3, 57-63.	5.9	33
42	Effect of Substituent Position on the Photophysical Properties of Triphenylpyrrole Isomers. Journal of Physical Chemistry C, 2017, 121, 11658-11664.	3.1	32
43	A highly sensitive â€œturn-onâ€•fluorescent probe with an aggregation-induced emission characteristic for quantitative detection of Î³-globulin. Biosensors and Bioelectronics, 2017, 92, 536-541.	10.1	31
44	Aggregationâ€Induced Emission of Multiphenylâ€Substituted 1,3â€Butadiene Derivatives: Synthesis, Properties and Application. Chemistry - A European Journal, 2018, 24, 15965-15977.	3.3	30
45	Triphenylquinoline (TPQ)-Based Dual-State Emissive Probe for Cell Imaging in Multicellular Tumor Spheroids. ACS Applied Bio Materials, 2019, 2, 3686-3692.	4.6	30
46	Recent progress of aggregation-induced emission luminogens (AIEgens) for bacterial detection and theranostics. Materials Chemistry Frontiers, 2021, 5, 1164-1184.	5.9	29
47	Investigating the effects of side chain length on the AIE properties of water-soluble TPE derivatives. Tetrahedron Letters, 2014, 55, 1496-1500.	1.4	28
48	Tunable fluorescence upon aggregation: Photophysical properties of cationic conjugated polyelectrolytes containing AIE and ACQ units and their use in the dual-channel quantification of heparin. Sensors and Actuators B: Chemical, 2014, 197, 334-341.	7.8	27
49	Aggregation-induced emission enhancement and aggregation-induced circular dichroism of chiral pentaphenylpyrrole derivatives and their helical self-assembly. New Journal of Chemistry, 2017, 41, 8877-8884.	2.8	27
50	Synthesis of Polyquinolines via One-Pot Polymerization of Alkyne, Aldehyde, and Aniline under Metal-Free Catalysis and Their Properties. Macromolecules, 2018, 51, 3254-3263.	4.8	27
51	Spontaneous Multicomponent Polymerization of Imidazole, Diacetylenic Esters, and Diisocyanates for the Preparation of Poly(Î²-aminoacrylate)s with Cluster-Induced Emission Characteristics. Macromolecules, 2020, 53, 1054-1062.	4.8	27
52	Multicomponent spiropolymerization of diisocyanides, alkynes and carbon dioxide for constructing 1,6-dioxospiro[4,4]nonane-3,8-diene as structural units under one-pot catalyst-free conditions. Polymer Chemistry, 2018, 9, 5543-5550.	3.9	26
53	Turn-on fluorescent probe with aggregation-induced emission characteristics for polyazoles. Materials Chemistry Frontiers, 2018, 2, 1779-1783.	5.9	26
54	Excited-State Modulation of Aggregation-Induced Emission Molecules for High-Efficiency Triplet Exciton Generation. , 2021, 3, 1767-1777.		26

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55	The selective detection of chloroform using an organic molecule with aggregation-induced emission properties in the solid state as a fluorescent sensor. Sensors and Actuators B: Chemical, 2016, 232, 264-268.	7.8	24
56	The Synergistic Effect between Triphenylpyrrole Isomers as Donors, Linking Groups, and Acceptors on the Fluorescence Properties of Dâ€“Ï€â€“A Compounds in the Solid State. Chemistry - A European Journal, 2018, 24, 434-442.	3.3	23
57	Synthesis and Characterization of Poly(iminofuran-arylene) Containing Bromomethyl Groups Linked at the 5-Position of a Furan Ring via the Multicomponent Polymerizations of Diisocyanides, Dialkylacetylene Dicarboxylates, and Bis(2-bromoacetyl)biphenyl. Macromolecules, 2019, 52, 3319-3326.	4.8	23
58	Synthesis of Poly(amineâ€“furanâ€“arylene)s through a One-Pot Catalyst-Free in Situ Cyclopolymerization of Diisocyanide, Dialkylacetylene Dicarboxylates, and Dialdehyde. Macromolecules, 2019, 52, 729-737.	4.8	23
59	Effects of fused rings linked to the 2,5-position of pyrrole derivatives with near-infrared emission on their aggregation-enhanced emission properties. Materials Chemistry Frontiers, 2019, 3, 2072-2076.	5.9	21
60	The synthesis of chiral triphenylpyrrole derivatives and their aggregation-induced emission enhancement, aggregation-induced circular dichroism and helical self-assembly. RSC Advances, 2016, 6, 23420-23427.	3.6	20
61	Halogen Bonding: A New Platform for Achieving Multiâ€Stimuliâ€Responsive Persistent Phosphorescence. Angewandte Chemie, 2022, 134, .	2.0	20
62	Acetylene Polycyclotrimerization:â€‰ Synthesis and Characterization of Ferrocene-Containing Hyperbranched Polyarylenes. Macromolecules, 2007, 40, 5612-5617.	4.8	19
63	Anthracene Modified by Aldehyde Groups Exhibiting Aggregationâ€Induced Emission Properties. Chinese Journal of Chemistry, 2016, 34, 1071-1075.	4.9	18
64	Dimalononitrile-containing probe based on aggregation-enhanced emission features for the multi-mode fluorescence detection of volatile amines. Faraday Discussions, 2017, 196, 101-111.	3.2	18
65	Mitochondrial targeted AIEgen phototheranostics for bypassing immune barrier via encumbering mitochondria functions. Biomaterials, 2022, 283, 121409.	11.4	18
66	A stabilized lamellar liquid crystalline phase with aggregation-induced emission features based on pyrrolopyrrole derivatives. Materials Chemistry Frontiers, 2019, 3, 1105-1112.	5.9	17
67	On-Chip Multicolor Photoacoustic Imaging Flow Cytometry. Analytical Chemistry, 2021, 93, 8134-8142.	6.5	17
68	Conformational sensitivity of tetraphenyl-1,3-butadiene derivatives with aggregation-induced emission characteristics. Science China Chemistry, 2019, 62, 1393-1397.	8.2	16
69	Turn-on and color-switchable red luminescent liquid crystals based on pyrrolopyrrole derivatives. Journal of Materials Chemistry C, 2020, 8, 11177-11184.	5.5	15
70	An AIEE polyelectrolyte as a light-up fluorescent probe for heparin sensing in full detection range. Science China Chemistry, 2013, 56, 1239-1246.	8.2	13
71	Aggregationâ€Induced Emission of Hexaphenylâ€1,3â€butadiene. Chinese Journal of Chemistry, 2015, 33, 701-704.	4.9	13
72	Catalystâ€Free Multicomponent Cyclopolymerizations of Diisocyanides, Activated Alkynes, and 1,4â€Dibromoâ€2,3â€Butanedione: a Facile Strategy toward Functional Polyiminofurans Containing Bromomethyl Groups. Macromolecular Rapid Communications, 2021, 42, e2000463.	3.9	13

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73	Donor strategy for promoting nonradiative decay to achieve an efficient photothermal therapy for treating cancer. Science China Chemistry, 2021, 64, 1530-1539.	8.2	12
74	Reversible multicolor switching via simple reactions of the AIE-characteristic molecules. Dyes and Pigments, 2017, 139, 714-719.	3.7	11
75	Light/temperature-enhanced emission characteristics of malononitrile-containing hexaphenyl-1,3-butadiene derivatives: the hotter, the brighter. Materials Chemistry Frontiers, 2017, 1, 2569-2573.	5.9	11
76	The Aggregation Regularity Effect of Multiarylpyrroles on Their Nearâ€Infrared Aggregationâ€Enhanced Emission Property. Chemistry - A European Journal, 2020, 26, 14947-14953.	3.3	10
77	Synthesis and characterization of poly(etheneâ€“ketoneâ€“aryleneâ€“ketone)s containing pendant methylthio groups via metal-free catalyzed copolymerization of aryldiynes with DMSO. Polymer Chemistry, 2018, 9, 4404-4412.	3.9	9
78	Ionic liquid crystals with aggregation-induced emission properties based on pyrrolo[3,2-b]pyrrole salt compounds. Materials Chemistry Frontiers, 2019, 3, 1385-1390.	5.9	9
79	Multicomponent Spiropolymerization of Diisocyanides, Diethyl Acetylenedicarboxylate, and Halogenated Quinones. Macromolecular Rapid Communications, 2021, 42, e2100029.	3.9	9
80	Tetraphenylethylene derivative capped CH3NH3PbBr3 nanocrystals: AIE-activated assembly into superstructures. Faraday Discussions, 2017, 196, 91-99.	3.2	8
81	The application of CO 2 -sensitive AIEgen in studying the synergistic effect of stromal cells and tumor cells in a heterocellular system. Analytica Chimica Acta, 2018, 1001, 151-157.	5.4	8
82	UV-detecting dual-responsive strips based on dicyanoacetate-containing hexaphenylbutadiene with aggregation-induced emission characteristic. Dyes and Pigments, 2020, 175, 108169.	3.7	8
83	Coumarin-substituted pyrrole derivatives with aggregation-enhanced emission characteristics for detecting the glass transition temperature of polymers. Dyes and Pigments, 2021, 188, 109222.	3.7	8
84	SYNTHESIS AND PROPERTY OF A WATER-SOLUBLE AGGREGATION-INDUCED EMISSION ENHANCEMENT CONJUGATED POLYMER. Acta Polymerica Sinica, 2012, 012, 453-461.	0.0	8
85	Properties of Polymorphism and Acid Response of Pyrrolopyrrole-based Derivative with Aggregation-induced Emission Behavior. Acta Chimica Sinica, 2016, 74, 942.	1.4	8
86	Monomer-induced switching of stereoselectivity and limitation of chain growth in the polymerization of amine-containing para-substituted phenylacetylenes by [Rh(norbornadiene)Cl]2. Polymer Chemistry, 2017, 8, 5761-5768.	3.9	7
87	Effect of bilayer number on the photoluminescent property of TPE-based self-assembled film. Science Bulletin, 2013, 58, 2728-2732.	1.7	6
88	MDM2â€Associated Clusterizationâ€Triggered Emission and Apoptosis Induction Effectuated by a Theranostic Spiropolymer. Angewandte Chemie, 2020, 132, 8513-8517.	2.0	6
89	The fluorescence properties of 4â€²-Methoxychalcone derivates modified by substituents and investigation of lysosomal imaging. Dyes and Pigments, 2022, 199, 110091.	3.7	6
90	Multicomponent Spiropolymerization of Diisocyanides, Activated Alkynes, and Bis-Anhydrides. Macromolecules, 2022, 55, 6150-6159.	4.8	6

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91	â€œTurn-onâ€•Fluorescent Detection of 2,5-Di(4'-carboxylphenyl)-1-phenylpyrrole to Amines. Acta Chimica Sinica, 2012, 70, 1187.	1.4	5
92	A â€œTurn-onâ€•fluorescent bioprobe with aggregation-induced emission characteristics for detection of influenza virus-specific hemagglutinin protein. Sensors and Actuators B: Chemical, 2021, 345, 130392.	7.8	4
93	Frontispiece: Aggregationâ€Induced Emission of Multiphenylâ€Substituted 1,3â€Butadiene Derivatives: Synthesis, Properties and Application. Chemistry - A European Journal, 2018, 24, .	3.3	2
94	A supramolecular approach for the synthesis of cross-linked ionic polyacetylene network gels. Materials Chemistry Frontiers, 2020, 4, 645-650.	5.9	2
95	Selective detection of phosphaphenanthrenecontaining luminophors with aggregation-induced emission enhancement to transition metal ions. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2011, 6, 15-20.	0.4	1
96	RÃ¼cktitelbild: Halogen Bonding: A New Platform for Achieving Multiâ€Stimuliâ€Responsive Persistent Phosphorescence (Angew. Chem. 13/2022). Angewandte Chemie, 2022, 134, .	2.0	1
97	Amphiphilic and Zwitterionic Multi Arylpyrroles with Nearâ€Infrared Aggregationâ€Induced Emission for Cell Membrane Imaging. ChemNanoMat, 2022, 8, .	2.8	1