Jianbing Shi

List of Publications by Citations

92	2,681	28	48
papers	citations	h-index	g-index
99	3,378	6.9	5.22
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
92	A novel "turn-on" fluorescent chemosensor for the selective detection of Al3+ based on aggregation-induced emission. *Chemical Communications*, **2012**, 48, 416-8	5.8	309
91	Wide-Range Color-Tunable Organic Phosphorescence Materials for Printable and Writable Security Inks. *Angewandte Chemie - International Edition*, **2020**, 59, 16054-16060	16.4	133
90	Aggregation-induced emission enhancement of aryl-substituted pyrrole derivatives. *Journal of Physical Chemistry B*, **2010**, 114, 16731-6	3.4	124
89	A highly sensitive, single selective, real-time and "turn-on" fluorescent sensor for Al3+ detection in aqueous media. *Journal of Materials Chemistry*, **2012**, 22, 19296		105
88	Reversible and hydrogen bonding-assisted piezochromic luminescence for solid-state tetraaryl-buta-1,3-diene. *Chemical Communications*, **2013**, 49, 7049-51	5.8	98
87	Pillar[5]arene-based side-chain polypseudorotaxanes as an anion-responsive fluorescent sensor. *Polymer Chemistry*, **2013**, 4, 2224	4.9	92
86	Thiol–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	5.5	85
85	Quantitation of Albumin in Serum Using "Turn-on" Fluorescent Probe with Aggregation-Enhanced Emission Characteristics. *ACS Applied Materials & Interfaces*, **2015**, 7, 26094-100	9.5	75
84	Crystallization-induced emission enhancement in a phosphorus-containing heterocyclic luminogen. *Journal of Physical Chemistry B*, **2009**, 113, 9098-103	3.4	74
83	Advanced functional polymer materials. *Materials Chemistry Frontiers*, **2020**, 4, 1803-1915	7.8	70
82	Revealing Insight into Long-Lived Room-Temperature Phosphorescence of Host-Guest Systems. *Journal of Physical Chemistry Letters*, **2019**, 10, 6019-6025	6.4	61
81	Ferrocene-Functionalized Hyperbranched Polyphenylenes: Synthesis, Redox Activity, Light Refraction, Transition-Metal Complexation, and Precursors to Magnetic Ceramics. *Macromolecules*, **2010**, 43, 680-690	5.5	57
80	Red fluorescent luminogen from pyrrole derivatives with aggregation-enhanced emission for cell membrane imaging. *Chemical Communications*, **2015**, 51, 8555-8	5.8	51
79	Diaminomaleonitrile-based Schiff bases: aggregation-enhanced emission, red fluorescence, mechanochromism and bioimaging applications. *Journal of Materials Chemistry C*, **2016**, 4, 10430-10434	7.1	50
78	Tunable fluorescence conjugated copolymers consisting of tetraphenylethylene and fluorene units: From aggregation-induced emission enhancement to dual-channel fluorescence response. *Journal of Polymer Science Part A*, **2013**, 51, 229-240	2.5	48
77	Recent Progress in Pure Organic Room Temperature Phosphorescence of Small Molecular Host–Guest Systems **2021**, 3, 379-397		44
76	Control of Dynamics in Polyelectrolyte Complexes by Temperature and Salt. *Macromolecules*, **2019**, 52, 1930-1941	5.5	44

75	Hyperbranched Poly(ferrocenylphenylenes): Synthesis, Characterization, Redox Activity, Metal Complexation, Pyrolytic Ceramization, and Soft Ferromagnetism. *Macromolecules*, **2007**, 40, 8195-8204	5.5	41
74	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	7.1	39
73	A strategy for the molecular design of aggregation-induced emission units further modified by substituents. *Materials Chemistry Frontiers*, **2018**, 2, 1175-1183	7.8	38
72	Polymorphism-dependent aggregation-induced emission of pyrrolopyrrole-based derivative and its multi-stimuli response behaviors. *Dyes and Pigments*, **2017**, 139, 664-671	4.6	37
71	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	7.1	36
70	Efficient and organic host-guest room-temperature phosphorescence: tunable triplet-singlet crossing and theoretical calculations for molecular packing. *Chemical Science*, **2021**, 12, 6518-6525	9.4	34
69	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	4.6	33
68	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	7.8	29
67	Mechanochromic behavior of aryl-substituted buta-1,3-diene derivatives with aggregation enhanced emission. *Chemistry - A European Journal*, **2014**, 20, 8856-61	4.8	29
66	The Dual-State Luminescent Mechanism of 2,3,4,5-Tetraphenyl-1H-pyrrole. *Chemistry - A European Journal*, **2018**, 24, 14269-14274	4.8	28
65	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	15.6	28
64	MDM2-Associated Clusterization-Triggered Emission and Apoptosis Induction Effectuated by a Theranostic Spiropolymer. *Angewandte Chemie - International Edition*, **2020**, 59, 8435-8439	16.4	26
63	Effect of Substituent Position on the Photophysical Properties of Triphenylpyrrole Isomers. *Journal of Physical Chemistry C*, **2017**, 121, 11658-11664	3.8	25
62	A "Turn-On" fluorescent chemosensor with the aggregation-induced emission characteristic for high-sensitive detection of Ce ion. *Sensors and Actuators B: Chemical*, **2018**, 267, 351-356	8.5	25
61	Application of a Novel "Turn-on" Fluorescent Material to the Detection of Aluminum Ion in Blood Serum. *ACS Applied Materials & Interfaces*, **2018**, 10, 23667-23673	9.5	25
60	A highly sensitive "turn-on" fluorescent probe with an aggregation-induced emission characteristic for quantitative detection of β-globulin. *Biosensors and Bioelectronics*, **2017**, 92, 536-541	11.8	25
59	A novel strategy for realizing dual state fluorescence and low-temperature phosphorescence. *Materials Chemistry Frontiers*, **2019**, 3, 284-291	7.8	24
58	Investigating the effects of side chain length on the AIE properties of water-soluble TPE derivatives. *Tetrahedron Letters*, **2014**, 55, 1496-1500	2	24

57	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	8.5	24
56	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	3.6	23
55	Rational design of pyrrole derivatives with aggregation-induced phosphorescence characteristics for time-resolved and two-photon luminescence imaging. *Nature Communications*, **2021**, 12, 4883	17.4	23
54	Synthesis of Polyquinolines via One-Pot Polymerization of Alkyne, Aldehyde, and Aniline under Metal-Free Catalysis and Their Properties. *Macromolecules*, **2018**, 51, 3254-3263	5.5	22
53	Aggregation-Induced Emission of Multiphenyl-Substituted 1,3-Butadiene Derivatives: Synthesis, Properties and Application. *Chemistry - A European Journal*, **2018**, 24, 15965-15977	4.8	22
52	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	8.5	21
51	The Synergistic Effect between Triphenylpyrrole Isomers as Donors, Linking Groups, and Acceptors on the Fluorescence Properties of D-π-A Compounds in the Solid State. *Chemistry - A European Journal*, **2018**, 24, 434-442	4.8	20
50	Turn-on fluorescent probe with aggregation-induced emission characteristics for polyazoles. *Materials Chemistry Frontiers*, **2018**, 2, 1779-1783	7.8	20
49	1,2,5-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	4.8	20
48	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	3.7	19
47	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	4.9	19
46	Synthesis of Poly(aminefuranarylene)s through a One-Pot Catalyst-Free in Situ Cyclopolymerization of Diisocyanide, Dialkylacetylene Dicarboxylates, and Dialdehyde. *Macromolecules*, **2019**, 52, 729-737	5.5	18
45	Achieving Efficient Phosphorescence and Mechanoluminescence in Organic Host–Guest System by Energy Transfer. *Advanced Functional Materials*,2108072	15.6	18
44	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	5.5	17
43	Acetylene Polycyclotrimerization: Synthesis and Characterization of Ferrocene-Containing Hyperbranched Polyarylenes. *Macromolecules*, **2007**, 40, 5612-5617	5.5	17
42	Spontaneous Multicomponent Polymerization of Imidazole, Diacetylenic Esters, and Diisocyanates for the Preparation of Poly(aminoacrylate)s with Cluster-Induced Emission Characteristics. *Macromolecules*, **2020**, 53, 1054-1062	5.5	16
41	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	7.8	15
40	Dimalononitrile-containing probe based on aggregation-enhanced emission features for the multi-mode fluorescence detection of volatile amines. *Faraday Discussions*, **2017**, 196, 101-111	3.6	15

39	Functional Isocyanide-Based Polymers. *Accounts of Chemical Research*, **2020**, 53, 2879-2891	24.3	15
38	Anthracene Modified by Aldehyde Groups Exhibiting Aggregation-Induced Emission Properties. *Chinese Journal of Chemistry*, **2016**, 34, 1071-1075	4.9	13
37	Recent progress of aggregation-induced emission luminogens (AIEgens) for bacterial detection and theranostics. *Materials Chemistry Frontiers*, **2021**, 5, 1164-1184	7.8	13
36	Fluorene-based host-guest phosphorescence materials for information encryption. *Chemical Engineering Journal*, **2021**, 426, 131607	14.7	13
35	Reversible multicolor switching via simple reactions of the AIE-characteristic molecules. *Dyes and Pigments*, **2017**, 139, 714-719	4.6	11
34	Light/temperature-enhanced emission characteristics of malononitrile-containing hexaphenyl-1,3-butadiene derivatives: the hotter, the brighter. *Materials Chemistry Frontiers*, **2017**, 1, 2569-2573	7.8	11
33	An AIEE polyelectrolyte as a light-up fluorescent probe for heparin sensing in full detection range. *Science China Chemistry*, **2013**, 56, 1239-1246	7.9	11
32	Aggregation-Induced Emission of Hexaphenyl-1,3-butadiene. *Chinese Journal of Chemistry*, **2015**, 33, 701-704	4.9	11
31	Wide-Range Color-Tunable Organic Phosphorescence Materials for Printable and Writable Security Inks. *Angewandte Chemie*, **2020**, 132, 16188-16194	3.6	10
30	Triphenylquinoline (TPQ)-Based Dual-State Emissive Probe for Cell Imaging in Multicellular Tumor Spheroids.. *ACS Applied Bio Materials*, **2019**, 2, 3686-3692	4.1	10
29	A stabilized lamellar liquid crystalline phase with aggregation-induced emission features based on pyrrolopyrrole derivatives. *Materials Chemistry Frontiers*, **2019**, 3, 1105-1112	7.8	9
28	Conformational sensitivity of tetraphenyl-1,3-butadiene derivatives with aggregation-induced emission characteristics. *Science China Chemistry*, **2019**, 62, 1393-1397	7.9	8
27	Turn-on and color-switchable red luminescent liquid crystals based on pyrrolopyrrole derivatives. *Journal of Materials Chemistry C*, **2020**, 8, 11177-11184	7.1	8
26	SYNTHESIS AND PROPERTY OF A WATER-SOLUBLE AGGREGATION-INDUCED EMISSION ENHANCEMENT CONJUGATED POLYMER. *Acta Polymerica Sinica*, **2012**, 012, 453-461		8
25	The application of CO-sensitive AIEgen in studying the synergistic effect of stromal cells and tumor cells in a heterocellular system. *Analytica Chimica Acta*, **2018**, 1001, 151-157	6.6	8
24	Red-Emissive Organic Room-Temperature Phosphorescence Material for Time-Resolved Luminescence Bioimaging. *CCS Chemistry*,1-20	7.2	8
23	Clusterization-Triggered Color-Tunable Room-Temperature Phosphorescence from 1,4-Dihydropyridine-Based Polymers.. *Journal of the American Chemical Society*, **2021**,	16.4	8
22	Ionic liquid crystals with aggregation-induced emission properties based on pyrrolo[3,2-b]pyrrole salt compounds. *Materials Chemistry Frontiers*, **2019**, 3, 1385-1390	7.8	7

21	Excited-State Modulation of Aggregation-Induced Emission Molecules for High-Efficiency Triplet Exciton Generation1767-1777		7
20	Synthesis and characterization of poly(ethene□ketone□arylene□ketone)s containing pendant methylthio groups via metal-free catalyzed copolymerization of aryldiynes with DMSO. *Polymer Chemistry*, **2018**, 9, 4404-4412	4.9	6
19	Effect of bilayer number on the photoluminescent property of TPE-based self-assembled film. *Science Bulletin*, **2013**, 58, 2728-2732		6
18	Tetraphenylethylene derivative capped CHNHPbBr nanocrystals: AIE-activated assembly into superstructures. *Faraday Discussions*, **2017**, 196, 91-99	3.6	6
17	Properties of Polymorphism and Acid Response of Pyrrolopyrrole-based Derivative with Aggregation-induced Emission Behavior. *Acta Chimica Sinica*, **2016**, 74, 942	3.3	6
16	Catalyst-Free Multicomponent Cyclopolymerizations of Diisocyanides, Activated Alkynes, and 1,4-Dibromo-2,3-Butanedione: a Facile Strategy toward Functional Polyiminofurans Containing Bromomethyl Groups. *Macromolecular Rapid Communications*, **2021**, 42, e2000463	4.8	6
15	□Turn-on□Fluorescent Detection of 2,5-Di(4'-carboxylphenyl)-1-phenylpyrrole to Amines. *Acta Chimica Sinica*, **2012**, 70, 1187	3.3	5
14	Coumarin-substituted pyrrole derivatives with aggregation-enhanced emission characteristics for detecting the glass transition temperature of polymers. *Dyes and Pigments*, **2021**, 188, 109222	4.6	5
13	On-Chip Multicolor Photoacoustic Imaging Flow Cytometry. *Analytical Chemistry*, **2021**, 93, 8134-8142	7.8	5
12	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	4.9	4
11	Multicomponent Spiropolymerization of Diisocyanides, Diethyl Acetylenedicarboxylate, and Halogenated Quinones. *Macromolecular Rapid Communications*, **2021**, 42, e2100029	4.8	4
10	The Aggregation Regularity Effect of Multiarylpyrroles on Their Near-Infrared Aggregation-Enhanced Emission Property. *Chemistry - A European Journal*, **2020**, 26, 14947-14953	4.8	3
9	UV-detecting dual-responsive strips based on dicyanoacetate-containing hexaphenylbutadiene with aggregation-induced emission characteristic. *Dyes and Pigments*, **2020**, 175, 108169	4.6	3
8	A supramolecular approach for the synthesis of cross-linked ionic polyacetylene network gels. *Materials Chemistry Frontiers*, **2020**, 4, 645-650	7.8	2
7	Donor strategy for promoting nonradiative decay to achieve an efficient photothermal therapy for treating cancer. *Science China Chemistry*, **2021**, 64, 1530-1539	7.9	2
6	Mitochondrial targeted AIEgen phototheranostics for bypassing immune barrier via encumbering mitochondria functions.. *Biomaterials*, **2022**, 283, 121409	15.6	2
5	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		1
4	The fluorescence properties of 4?-Methoxychalcone derivates modified by substituents and investigation of lysosomal imaging. *Dyes and Pigments*, **2022**, 199, 110091	4.6	1

3	Frontispiece: Aggregation-Induced Emission of Multiphenyl-Substituted 1,3-Butadiene Derivatives: Synthesis, Properties and Application. *Chemistry - A European Journal*, **2018**, 24,	4.8	1
2	MDM2-Associated Clusterization-Triggered Emission and Apoptosis Induction Effectuated by a Theranostic Spiropolymer. *Angewandte Chemie*, **2020**, 132, 8513-8517	3.6	0
1	A "turn-on" fluorescent bioprobe with aggregation-induced emission characteristics for detection of influenza virus-specific hemagglutinin protein. *Sensors and Actuators B: Chemical*, **2021**, 345, 130392	8.5	0