

Bin Tong

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86
papers

2,040
citations

25
h-index

40
g-index

91
ext. papers

2,688
ext. citations

7.1
avg, IF

5.06
L-index

#	Paper	IF	Citations
86	Wide-Range Color-Tunable Organic Phosphorescence Materials for Printable and Writable Security Inks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16054-16060	16.4	133
85	Aggregation-induced emission enhancement of aryl-substituted pyrrole derivatives. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 16731-6	3.4	124
84	Defect-sensitive crystals based on diaminomaleonitrile-functionalized Schiff base with aggregation-enhanced emission. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7314	7.1	107
83	A highly sensitive, single selective, real-time and turn-on fluorescent sensor for Al ³⁺ detection in aqueous media. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19296		105
82	Quantitation of Albumin in Serum Using "Turn-on" Fluorescent Probe with Aggregation-Enhanced Emission Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26094-100	9.5	75
81	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70
80	Revealing Insight into Long-Lived Room-Temperature Phosphorescence of Host-Guest Systems. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6019-6025	6.4	61
79	Plasmon enhanced photoelectrochemical sensing of mercury (II) ions in human serum based on Au@Ag nanorods modified TiO ₂ nanosheets film. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 866-73	11.8	52
78	Red fluorescent luminogen from pyrrole derivatives with aggregation-enhanced emission for cell membrane imaging. <i>Chemical Communications</i> , 2015 , 51, 8555-8	5.8	51
77	Diaminomaleonitrile-based Schiff bases: aggregation-enhanced emission, red fluorescence, mechanochromism and bioimaging applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 10430-10434	7.1	50
76	Tunable fluorescence conjugated copolymers consisting of tetraphenylethylene and fluorene units: From aggregation-induced emission enhancement to dual-channel fluorescence response. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 229-240	2.5	48
75	Recent Progress in Pure Organic Room Temperature Phosphorescence of Small Molecular Host-Guest Systems 2021 , 3, 379-397		44
74	Hyperbranched Poly(ferrocenylphenylenes): Synthesis, Characterization, Redox Activity, Metal Complexation, Pyrolytic Ceramization, and Soft Ferromagnetism. <i>Macromolecules</i> , 2007 , 40, 8195-8204	5.5	41
73	DMF-induced emission of an aryl-substituted pyrrole derivative: a solid thermo-responsive material to detect temperature in a specific range. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7534	7.1	39
72	A strategy for the molecular design of aggregation-induced emission units further modified by substituents. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1175-1183	7.8	38
71	Polymorphism-dependent aggregation-induced emission of pyrrolopyrrole-based derivative and its multi-stimuli response behaviors. <i>Dyes and Pigments</i> , 2017 , 139, 664-671	4.6	37
70	A fluorescent probe with an aggregation-enhanced emission feature for real-time monitoring of low carbon dioxide levels. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7621-7626	7.1	36

69	Efficient and organic host-guest room-temperature phosphorescence: tunable triplet-singlet crossing and theoretical calculations for molecular packing. <i>Chemical Science</i> , 2021 , 12, 6518-6525	9.4	34
68	Real time bioimaging for mitochondria by taking the aggregation process of aggregation-induced emission near-infrared dyes with wash-free staining. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 57-63	7.8	29
67	The Dual-State Luminescent Mechanism of 2,3,4,5-Tetraphenyl-1H-pyrrole. <i>Chemistry - A European Journal</i> , 2018 , 24, 14269-14274	4.8	28
66	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. <i>Biomaterials</i> , 2016 , 103, 67-74	15.6	28
65	MDM2-Associated Clusterization-Triggered Emission and Apoptosis Induction Effectuated by a Theranostic Spiropolymer. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8435-8439	16.4	26
64	Effect of Substituent Position on the Photophysical Properties of Triphenylpyrrole Isomers. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11658-11664	3.8	25
63	Application of a Novel "Turn-on" Fluorescent Material to the Detection of Aluminum Ion in Blood Serum. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23667-23673	9.5	25
62	A highly sensitive "turn-on" fluorescent probe with an aggregation-induced emission characteristic for quantitative detection of Iglobulin. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 536-541	11.8	25
61	A novel strategy for realizing dual state fluorescence and low-temperature phosphorescence. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 284-291	7.8	24
60	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. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 334-341	8.5	24
59	Aggregation-induced emission enhancement and aggregation-induced circular dichroism of chiral pentaphenylpyrrole derivatives and their helical self-assembly. <i>New Journal of Chemistry</i> , 2017 , 41, 8877-8884	3.6	23
58	Rational design of pyrrole derivatives with aggregation-induced phosphorescence characteristics for time-resolved and two-photon luminescence imaging. <i>Nature Communications</i> , 2021 , 12, 4883	17.4	23
57	Synthesis of Polyquinolines via One-Pot Polymerization of Alkyne, Aldehyde, and Aniline under Metal-Free Catalysis and Their Properties. <i>Macromolecules</i> , 2018 , 51, 3254-3263	5.5	22
56	Switching the emission of di(4-ethoxyphenyl)dibenzofulvene among multiple colors in the solid state. <i>Science China Chemistry</i> , 2013 , 56, 1173-1177	7.9	22
55	Aggregation-Induced Emission of Multiphenyl-Substituted 1,3-Butadiene Derivatives: Synthesis, Properties and Application. <i>Chemistry - A European Journal</i> , 2018 , 24, 15965-15977	4.8	22
54	The selective detection of chloroform using an organic molecule with aggregation-induced emission properties in the solid state as a fluorescent sensor. <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 264-268	8.5	21
53	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. <i>Chemistry - A European Journal</i> , 2018 , 24, 434-442	4.8	20
52	Turn-on fluorescent probe with aggregation-induced emission characteristics for polyazoles. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1779-1783	7.8	20

51	1,2,5-Triphenylpyrrole Derivatives with Dual Intense Photoluminescence in Both Solution and the Solid State: Solvatochromism and Polymorphic Luminescence Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 573-581	4.8	20
50	Crystallization, Mechanical and Flame-retardant Properties of Poly(lactic acid) Composites with DOPO and DOPO-POSS. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 871-879	3.5	19
49	The synthesis of chiral triphenylpyrrole derivatives and their aggregation-induced emission enhancement, aggregation-induced circular dichroism and helical self-assembly. <i>RSC Advances</i> , 2016 , 6, 23420-23427	3.7	19
48	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. <i>Polymer Chemistry</i> , 2018 , 9, 5543-5550	4.9	19
47	Synthesis of Poly(aminefuranarylene)s through a One-Pot Catalyst-Free in Situ Cyclopolymerization of Diisocyanide, Dialkylacetylene Dicarboxylates, and Dialdehyde. <i>Macromolecules</i> , 2019 , 52, 729-737	5.5	18
46	Achieving Efficient Phosphorescence and Mechanoluminescence in Organic Host-Guest System by Energy Transfer. <i>Advanced Functional Materials</i> , 2018 , 28, 1808072	15.6	18
45	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. <i>Macromolecules</i> , 2019 , 52, 3319-3326	5.5	17
44	Acetylene Polycyclotrimerization: Synthesis and Characterization of Ferrocene-Containing Hyperbranched Polyarylenes. <i>Macromolecules</i> , 2007 , 40, 5612-5617	5.5	17
43	Spontaneous Multicomponent Polymerization of Imidazole, Diacetylenic Esters, and Diisocyanates for the Preparation of Poly(aminoacrylate)s with Cluster-Induced Emission Characteristics. <i>Macromolecules</i> , 2020 , 53, 1054-1062	5.5	16
42	Aggregation-induced emission enhancement in poly(phenylene-ethynylene)s bearing aniline groups. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012 , 30, 443-450	3.5	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. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2072-2076	7.8	15
40	Functional Isocyanide-Based Polymers. <i>Accounts of Chemical Research</i> , 2020 , 53, 2879-2891	24.3	15
39	Controlled fabrication and optoelectrical properties of metallosupramolecular films based on ruthenium(II) phthalocyanines and 4,4'-bipyridine covalently anchored on inorganic substrates. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 5338-44	3.4	14
38	Crystallization, flame-retardant, and mechanical behaviors of poly(lactic acid)/9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide/calcium montmorillonite nanocomposite. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 46982	2.9	14
37	Anthracene Modified by Aldehyde Groups Exhibiting Aggregation-Induced Emission Properties. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 1071-1075	4.9	13
36	Hydrogen-Terminated Si Nanowires as Label-Free Colorimetric Sensors in the Ultrasensitive and Highly Selective Detection of Fluoride Anions in Pure Water Phase. <i>Advanced Functional Materials</i> , 2015 , 25, 1506-1510	15.6	13
35	Recent progress of aggregation-induced emission luminogens (AIEgens) for bacterial detection and theranostics. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1164-1184	7.8	13
34	Fluorene-based host-guest phosphorescence materials for information encryption. <i>Chemical Engineering Journal</i> , 2021 , 426, 131607	14.7	13

33	Light/temperature-enhanced emission characteristics of malononitrile-containing hexaphenyl-1,3-butadiene derivatives: the hotter, the brighter. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2569-2573	7.8	11
32	An AIEE polyelectrolyte as a light-up fluorescent probe for heparin sensing in full detection range. <i>Science China Chemistry</i> , 2013 , 56, 1239-1246	7.9	11
31	Aggregation-Induced Emission of Hexaphenyl-1,3-butadiene. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 701-704	4.9	11
30	Wide-Range Color-Tunable Organic Phosphorescence Materials for Printable and Writable Security Inks. <i>Angewandte Chemie</i> , 2020 , 132, 16188-16194	3.6	10
29	Triphenylquinoline (TPQ)-Based Dual-State Emissive Probe for Cell Imaging in Multicellular Tumor Spheroids.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3686-3692	4.1	10
28	Preparation of highly crosslinked monodisperse poly(styrene-co-divinylbenzene) microspheres by two-stage dispersion polymerization. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1189-1196	2.9	10
27	A stabilized lamellar liquid crystalline phase with aggregation-induced emission features based on pyrrolopyrrole derivatives. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1105-1112	7.8	9
26	Conformational sensitivity of tetraphenyl-1,3-butadiene derivatives with aggregation-induced emission characteristics. <i>Science China Chemistry</i> , 2019 , 62, 1393-1397	7.9	8
25	Turn-on and color-switchable red luminescent liquid crystals based on pyrrolopyrrole derivatives. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11177-11184	7.1	8
24	Synthesis and Properties of Photodegradable Poly(furan-amine)s by a Catalyst-free Multicomponent Cyclopolymerization. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 981-989	3.5	8
23	The application of CO-sensitive AIEgen in studying the synergistic effect of stromal cells and tumor cells in a heterocellular system. <i>Analytica Chimica Acta</i> , 2018 , 1001, 151-157	6.6	8
22	Red-Emissive Organic Room-Temperature Phosphorescence Material for Time-Resolved Luminescence Bioimaging. <i>CCS Chemistry</i> , 1-20	7.2	8
21	Clusterization-Triggered Color-Tunable Room-Temperature Phosphorescence from 1,4-Dihydropyridine-Based Polymers.. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	8
20	Ionic liquid crystals with aggregation-induced emission properties based on pyrrolo[3,2-b]pyrrole salt compounds. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1385-1390	7.8	7
19	Excited-State Modulation of Aggregation-Induced Emission Molecules for High-Efficiency Triplet Exciton Generation	17.67-1777	7
18	Synthesis and characterization of poly(ethene ketone-ethylene ketone)s containing pendant methylthio groups via metal-free catalyzed copolymerization of aryl diynes with DMSO. <i>Polymer Chemistry</i> , 2018 , 9, 4404-4412	4.9	6
17	Effect of bilayer number on the photoluminescent property of TPE-based self-assembled film. <i>Science Bulletin</i> , 2013 , 58, 2728-2732		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. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000463	4.8	6

15	On-Water Polymerization of Phenylacetylene Catalyzed by Rh Complexes Bearing Strong π -Acidic Dibenzo[a,e]cyclooctatetraene Ligand. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 716-725	2.5	5
14	Coumarin-substituted pyrrole derivatives with aggregation-enhanced emission characteristics for detecting the glass transition temperature of polymers. <i>Dyes and Pigments</i> , 2021 , 188, 109222	4.6	5
13	Crystallization and flame-retardant properties of polylactic acid composites with polyhedral octaphenyl silsesquioxane. <i>Polymers for Advanced Technologies</i> , 2018 , 30, 648	3.2	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 . <i>Polymer Chemistry</i> , 2017 , 8, 5761-5768	4.9	4
11	Multicomponent Spiropolymerization of Diisocyanides, Diethyl Acetylenedicarboxylate, and Halogenated Quinones. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100029	4.8	4
10	The Aggregation Regularity Effect of Multiarylpyrroles on Their Near-Infrared Aggregation-Enhanced Emission Property. <i>Chemistry - A European Journal</i> , 2020 , 26, 14947-14953	4.8	3
9	Synthesis and properties of side chain liquid crystalline ionomers containing quaternary ammonium salt groups. <i>Liquid Crystals</i> , 2004 , 31, 509-518	2.3	3
8	Aggregation-Induced Emission and Applications of Aryl-Substituted Pyrrole Derivatives 2013 , 131-155		2
7	A supramolecular approach for the synthesis of cross-linked ionic polyacetylene network gels. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 645-650	7.8	2
6	Donor strategy for promoting nonradiative decay to achieve an efficient photothermal therapy for treating cancer. <i>Science China Chemistry</i> , 2021 , 64, 1530-1539	7.9	2
5	Selective detection of phosphaphenanthrene-containing luminophors with aggregation-induced emission enhancement to transition metal ions. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2011 , 6, 15-20		1
4	The fluorescence properties of 4'-Methoxychalcone derivatives modified by substituents and investigation of lysosomal imaging. <i>Dyes and Pigments</i> , 2022 , 199, 110091	4.6	1
3	Frontispiece: Aggregation-Induced Emission of Multiphenyl-Substituted 1,3-Butadiene Derivatives: Synthesis, Properties and Application. <i>Chemistry - A European Journal</i> , 2018 , 24,	4.8	1
2	MDM2-Associated Clusterization-Triggered Emission and Apoptosis Induction Effectuated by a Theranostic Spiropolymer. <i>Angewandte Chemie</i> , 2020 , 132, 8513-8517	3.6	0
1	Colorimetric Sensors: Hydrogen-Terminated Si Nanowires as Label-Free Colorimetric Sensors in the Ultrasensitive and Highly Selective Detection of Fluoride Anions in Pure Water Phase (Adv. Funct. Mater. 10/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 1474-1474	15.6	