Bingjia Xu

List of Publications by Year
in descending order

58 papers	6,988 citations	101543 36 h-index	133252 59 g-index
61 all docs	61 docs citations	61 times ranked	4446 citing authors

#	Article	IF	Citations
1	Afterglows from the indolocarbazole families. Chemical Engineering Journal, 2022, 429, 132346.	12.7	31
2	Remarkable mechanochromism and force-induced thermally activated delayed fluorescence enhancement from white-light-emitting organic luminogens with aggregation-induced emission. Chinese Chemical Letters, 2022, 33, 4536-4540.	9.0	16
3	Efficient and Colorâ€Tunable Dualâ€Mode Afterglow from Largeâ€Area and Flexible Polymerâ€Based Transparent Films for Antiâ€Counterfeiting and Information Encryption. Angewandte Chemie, 2022, 134, .	2.0	17
4	Efficient and Colorâ€Tunable Dualâ€Mode Afterglow from Largeâ€Area and Flexible Polymerâ€Based Transparent Films for Antiâ€Counterfeiting and Information Encryption. Angewandte Chemie - International Edition, 2022, 61, .	13.8	74
5	Synthesis, structures and fluorescence properties ofgem-linked cyclic tetraphenylethylenes and cyclic hexaphenylethylenes. Organic Chemistry Frontiers, 2022, 9, 2932-2938.	4.5	5
6	An AIE luminogen-based electropolymerized film: an ultrasensitive fluorescent probe for TNP and Fe³⁺ in water. Materials Chemistry Frontiers, 2021, 5, 492-499.	5.9	21
7	Recyclable electropolymerized films based on donor-acceptor type AIEE-active chromophore for detecting 2,4,6-trinitrophenol. Microchemical Journal, 2021, 162, 105660.	4.5	2
8	Photochemical Construction of Ni/CdS Doubleâ€Walled Magnetic Hollow Microspheres with Simultaneously Enhanced Visibleâ€Light Photocatalytic Activity and Recyclability. ChemPhotoChem, 2021, 5, 735-747.	3.0	6
9	Colour-tunable dual-mode afterglows and helical-array-induced mechanoluminescence from AIE enantiomers: Effects of molecular arrangement on formation and decay of excited states. Chemical Engineering Journal, 2021, 418, 129167.	12.7	50
10	Longâ€Range Charge Transportation Induced Organic Hostâ€“Guest Dual Color Long Persistent Luminescence. Advanced Optical Materials, 2021, 9, 2101337.	7.3	17
11	Pyrenylâ€Based Aggregationâ€Induced Emission Luminogen for Highly Sensitive and Selective Detection of 2,4,6â€Trinitrotoluene in Water. ChemistrySelect, 2021, 6, 12182-12187.	1.5	2
12	Controlling the thermally activated delayed fluorescence of axially chiral organic emitters and their racemate for information encryption. Chemical Science, 2021, 12, 15556-15562.	7.4	21
13	Reversible and Continuous Color-Tunable Persistent Luminescence of Metal-Free Organic Materials by â€œSelfâ€Interface Energy Transfer. ACS Applied Materials & Interfaces, 2020, 12, 5073-5080.	8.0	45
14	AIEgens with bright mechanoluminescence and thermally activated delayed fluorescence derived from (9H-carbazol-9-yl)(phenyl)methanone. Dyes and Pigments, 2020, 174, 108093.	3.7	8
15	Achieving remarkable and reversible mechanochromism from a bright ionic AIEgen with high specificity for mitochondrial imaging and secondary aggregation emission enhancement for long-term tracking of tumors. Materials Chemistry Frontiers, 2020, 4, 941-949.	5.9	65
16	Chirality-activated mechanoluminescence from aggregation-induced emission enantiomers with high contrast mechanochromism and force-induced delayed fluorescence. Materials Chemistry Frontiers, 2019, 3, 1800-1806.	5.9	81
17	A multifunctional luminescent network film electrochemically deposited from a new AIEE emitter for OLEDs and explosive detection. Organic Electronics, 2019, 69, 281-288.	2.6	13
18	Transient and Persistent Roomâ€Temperature Mechanoluminescence from a Whiteâ€Lightâ€Emitting AIEgen with Tricolor Emission Switching Triggered by Light. Angewandte Chemie, 2018, 130, 6559-6563.	2.0	87

#	Article	IF	Citations
19	A TPEâ€“benzothiazole piezochromic and acidichromic molecular switch with high solid state luminescent efficiency. RSC Advances, 2018, 8, 6252-6258.	3.6	15
20	Transient and Persistent Roomâ€Temperature Mechanoluminescence from a Whiteâ€Lightâ€Emitting AIEgen with Tricolor Emission Switching Triggered by Light. Angewandte Chemie - International Edition, 2018, 57, 6449-6453.	13.8	222
21	InnenrÃ¼cktitelbild: Transient and Persistent Roomâ€Temperature Mechanoluminescence from a Whiteâ€Lightâ€Emitting AIEgen with Tricolor Emission Switching Triggered by Light (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Over	13.8	222
22	Two Phenanthrenequinone-Based Compound Cathode Materials for Lithium Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1574-A1577.	2.9	8
23	A triphenylamine-based polymer with anthraquinone side chain as cathode material in lithium ion batteries. Electrochimica Acta, 2018, 283, 1284-1290.	5.2	36
24	White-light emission from a single heavy atom-free molecule with room temperature phosphorescence, mechanochromism and thermochromism. Chemical Science, 2017, 8, 1909-1914.	7.4	168
25	Achieving very bright mechanoluminescence from purely organic luminophores with aggregation-induced emission by crystal design. Chemical Science, 2016, 7, 5307-5312.	7.4	125
26	A stable tetraphenylethene derivative: aggregation-induced emission, different crystalline polymorphs, and totally different mechanoluminescence properties. Materials Horizons, 2016, 3, 220-225.	12.2	228
27	Achieving remarkable mechanochromism and white-light emission with thermally activated delayed fluorescence through the molecular heredity principle. Chemical Science, 2016, 7, 2201-2206.	7.4	210
28	Very bright mechanoluminescence and remarkable mechanochromism using a tetraphenylethene derivative with aggregation-induced emission. Chemical Science, 2015, 6, 3236-3241.	7.4	281
29	Influence of cyano groups on the properties of piezofluorochromic aggregation-induced emission enhancement compounds derived from tetraphenylvinyl-capped ethane. Journal of Materials Chemistry C, 2015, 3, 1225-1234.	5.5	88
30	High-performance two-photon absorption luminophores: large action cross sections, free from fluorescence quenching and tunable emission of efficient non-doped organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 3416.	5.5	25
31	An AIE-active luminophore with tunable and remarkable fluorescence switching based on the piezo and protonationâ€“deprotonation control. Chemical Communications, 2014, 50, 7374-7377.	4.1	161
32	An aggregation-induced emission luminophore with multi-stimuli single- and two-photon fluorescence switching and large two-photon absorption cross section. Chemical Communications, 2013, 49, 273-275.	4.1	126
33	Metal-free organic dyes derived from triphenylethylene for dye-sensitized solar cells: tuning of the performance by phenothiazine and carbazole. Journal of Materials Chemistry, 2012, 22, 8994.	6.7	150
34	End-group effects of piezofluorochromic aggregation-induced enhanced emission compounds containing distyrylanthracene. Journal of Materials Chemistry, 2012, 22, 18505.	6.7	273
35	Recent advances in organic mechanofluorochromic materials. Chemical Society Reviews, 2012, 41, 3878.	38.1	1,575
36	Piezofluorochromism and morphology of a new aggregation-induced emission compound derived from tetraphenylethylene and carbazole. New Journal of Chemistry, 2012, 36, 685-693.	2.8	100

#	Article	IF	Citations
37	Multifunctional organic fluorescent materials derived from 9,10-distyrylanthracene with alkoxyl endgroups of various lengths. Chemical Communications, 2012, 48, 10895.	4.1	224
38	Effect of polyphenyl-substituted ethylene end-capped groups in metal-free organic dyes on performance of dye-sensitized solar cells. RSC Advances, 2012, 2, 7788.	3.6	40
39	Solution-processed organic thin films based on aggregation-induced emission materials. Thin Solid Films, 2012, 526, 15-21.	1.8	2
40	New thermally stable aggregation-induced emission enhancement compounds for non-doped red organic light-emitting diodes. Chemical Communications, 2011, 47, 11273.	4.1	167
41	Synthesis and properties of novel aggregation-induced emission compounds with combined tetraphenylethylene and dicarbazolyl triphenylethylene moieties. Journal of Materials Chemistry, 2011, 21, 1788-1796.	6.7	157
42	Aggregation-induced emission enhancement compounds containing triphenylamine-anthrylenevinylene and tetraphenylethene moieties. Journal of Materials Chemistry, 2011, 21, 3760.	6.7	170
43	A new ligand and its complex with multi-stimuli-responsive and aggregation-induced emission effects. Chemical Communications, 2011, 47, 11080.	4.1	166
44	Piezofluorochromic Properties and Mechanism of an Aggregation-Induced Emission Enhancement Compound Containing N-Hexyl-phenothiazine and Anthracene Moieties. Journal of Physical Chemistry B, 2011, 115, 7606-7611.	2.6	259
45	New Thermally Stable Piezofluorochromic Aggregation-Induced Emission Compounds. Organic Letters, 2011, 13, 556-559.	4.6	210
46	Synthesis and Properties of Aggregation-Induced Emission Compounds Containing Triphenylethene and Tetraphenylethene Moieties. Journal of Physical Chemistry C, 2011, 115, 17574-17581.	3.1	83
47	In situ water gelation by a hydrogelator derived from n-(4-carboxy phenyl)trimellitimide. Journal of Controlled Release, 2011, 152, e195-e196.	9.9	3
48	Piezofluorochromism of an Aggregationâ€Induced Emission Compound Derived from Tetraphenylethylene. Chemistry - an Asian Journal, 2011, 6, 808-811.	3.3	294
49	Piezofluorochromic and Aggregationâ€Inducedâ€Emission Compounds Containing Triphenylethylene and Tetraphenylethylene Moieties. Chemistry - an Asian Journal, 2011, 6, 1470-1478.	3.3	150
50	Synthesis of blue light emitting bis(triphenylethylene) derivatives: A case of aggregation-induced emission enhancement. Dyes and Pigments, 2011, 89, 56-62.	3.7	82
51	A multi-sensing fluorescent compound derived from cyanoacrylic acid. Journal of Materials Chemistry, 2010, 20, 292-298.	6.7	101
52	New aggregation-induced emission enhancement materials combined triarylamine and dicarbazolyl triphenylethylene moieties. Journal of Materials Chemistry, 2010, 20, 6103.	6.7	95
53	Facile synthesis of a new class of aggregation-induced emission materials derived from triphenylethylene. Journal of Materials Chemistry, 2010, 20, 4135.	6.7	73
54	High-Tg carbazole derivatives as a new class of aggregation-induced emission enhancement materials. Journal of Materials Chemistry, 2010, 20, 7352.	6.7	88

#	Article	IF	Citations
55	Synthesis of carbazole derivatives with high quantum yield and high glass transition temperature. Optical Materials, 2009, 32, 94-98.	3.6	25
56	Blue-light-emitting carbazole derivates with high thermal stability. Optical Materials, 2009, 32, 398-401.	3.6	18
57	Triphenylethylene carbazole derivatives as a new class of AIE materials with strong blue light emission and high glass transition temperature. Journal of Materials Chemistry, 2009, 19, 5541.	6.7	213
58	A MONOMER AND ITS POLYMER DERIVED FROM CARBAZOLYL TRIPHENYLETHYLENE WITH AGGREGATION-INDUCED EMISSION EFFECT CHARACTERISTICS. Acta Polymerica Sinica, 2009, 009, 560-565.	0.0	11