Bingjia Xu

List of Publications by Year
in descending order

58 papers	6,988 citations	101384 36 h-index	133063 59 g-index
61 all docs	61 docs citations	61 times ranked	4446 citing authors

#	Article	IF	Citations
1	Recent advances in organic mechanofluorochromic materials. Chemical Society Reviews, 2012, 41, 3878.	18.7	1,575
2	Piezofluorochromism of an Aggregationâ€Induced Emission Compound Derived from Tetraphenylethylene. Chemistry - an Asian Journal, 2011, 6, 808-811.	1.7	294
3	Very bright mechanoluminescence and remarkable mechanochromism using a tetraphenylethene derivative with aggregation-induced emission. Chemical Science, 2015, 6, 3236-3241.	3.7	281
4	End-group effects of piezofluorochromic aggregation-induced enhanced emission compounds containing distyrylanthracene. Journal of Materials Chemistry, 2012, 22, 18505.	6.7	273
5	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.	1.2	259
6	A stable tetraphenylethene derivative: aggregation-induced emission, different crystalline polymorphs, and totally different mechanoluminescence properties. Materials Horizons, 2016, 3, 220-225.	6.4	228
7	Multifunctional organic fluorescent materials derived from 9,10-distyrylanthracene with alkoxyl endgroups of various lengths. Chemical Communications, 2012, 48, 10895.	2.2	224
8	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.	7.2	222
9	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
10	New Thermally Stable Piezofluorochromic Aggregation-Induced Emission Compounds. Organic Letters, 2011, 13, 556-559.	2.4	210
11	Achieving remarkable mechanochromism and white-light emission with thermally activated delayed fluorescence through the molecular heredity principle. Chemical Science, 2016, 7, 2201-2206.	3.7	210
12	Aggregation-induced emission enhancement compounds containing triphenylamine-anthrylenevinylene and tetraphenylethene moieties. Journal of Materials Chemistry, 2011, 21, 3760.	6.7	170
13	White-light emission from a single heavy atom-free molecule with room temperature phosphorescence, mechanochromism and thermochromism. Chemical Science, 2017, 8, 1909-1914.	3.7	168
14	New thermally stable aggregation-induced emission enhancement compounds for non-doped red organic light-emitting diodes. Chemical Communications, 2011, 47, 11273.	2.2	167
15	A new ligand and its complex with multi-stimuli-responsive and aggregation-induced emission effects. Chemical Communications, 2011, 47, 11080.	2.2	166
16	An AIE-active luminophore with tunable and remarkable fluorescence switching based on the piezo and protonationâ€“deprotonation control. Chemical Communications, 2014, 50, 7374-7377.	2.2	161
17	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
18	Piezofluorochromic and Aggregationâ€Inducedâ€Emission Compounds Containing Triphenylethylene and Tetraphenylethylene Moieties. Chemistry - an Asian Journal, 2011, 6, 1470-1478.	1.7	150

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19	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
20	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.	2.2	126
21	Achieving very bright mechanoluminescence from purely organic luminophores with aggregation-induced emission by crystal design. Chemical Science, 2016, 7, 5307-5312.	3.7	125
22	A multi-sensing fluorescent compound derived from cyanoacrylic acid. Journal of Materials Chemistry, 2010, 20, 292-298.	6.7	101
23	Piezofluorochromism and morphology of a new aggregation-induced emission compound derived from tetraphenylethylene and carbazole. New Journal of Chemistry, 2012, 36, 685-693.	1.4	100
24	New aggregation-induced emission enhancement materials combined triarylamine and dicarbazolyl triphenylethylene moieties. Journal of Materials Chemistry, 2010, 20, 6103.	6.7	95
25	High-Tg carbazole derivatives as a new class of aggregation-induced emission enhancement materials. Journal of Materials Chemistry, 2010, 20, 7352.	6.7	88
26	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.	2.7	88
27	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.	1.6	87
28	Synthesis and Properties of Aggregation-Induced Emission Compounds Containing Triphenylethene and Tetraphenylethene Moieties. Journal of Physical Chemistry C, 2011, 115, 17574-17581.	1.5	83
29	Synthesis of blue light emitting bis(triphenylethylene) derivatives: A case of aggregation-induced emission enhancement. Dyes and Pigments, 2011, 89, 56-62.	2.0	82
30	Chirality-activated mechanoluminescence from aggregation-induced emission enantiomers with high contrast mechanochromism and force-induced delayed fluorescence. Materials Chemistry Frontiers, 2019, 3, 1800-1806.	3.2	81
31	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, .	7.2	74
32	Facile synthesis of a new class of aggregation-induced emission materials derived from triphenylethylene. Journal of Materials Chemistry, 2010, 20, 4135.	6.7	73
33	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.	3.2	65
34	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.	6.6	50
35	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.	4.0	45
36	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.	1.7	40

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37	A triphenylamine-based polymer with anthraquinone side chain as cathode material in lithium ion batteries. Electrochimica Acta, 2018, 283, 1284-1290.	2.6	36
38	Afterglows from the indolocarbazole families. Chemical Engineering Journal, 2022, 429, 132346.	6.6	31
39	Synthesis of carbazole derivatives with high quantum yield and high glass transition temperature. Optical Materials, 2009, 32, 94-98.	1.7	25
40	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.	2.7	25
41	An AIE luminogen-based electropolymerized film: an ultrasensitive fluorescent probe for TNP and Fe³⁺ in water. Materials Chemistry Frontiers, 2021, 5, 492-499.	3.2	21
42	Controlling the thermally activated delayed fluorescence of axially chiral organic emitters and their racemate for information encryption. Chemical Science, 2021, 12, 15556-15562.	3.7	21
43	Blue-light-emitting carbazole derivates with high thermal stability. Optical Materials, 2009, 32, 398-401.	1.7	18
44	Longâ€Range Charge Transportation Induced Organic Hostâ€“Guest Dual Color Long Persistent Luminescence. Advanced Optical Materials, 2021, 9, 2101337.	3.6	17
45	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, .	1.6	17
46	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.	4.8	16
47	A TPEâ€“benzothiazole piezochromic and acidichromic molecular switch with high solid state luminescent efficiency. RSC Advances, 2018, 8, 6252-6258.	1.7	15
48	A multifunctional luminescent network film electrochemically deposited from a new AIEE emitter for OLEDs and explosive detection. Organic Electronics, 2019, 69, 281-288.	1.4	13
49	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
50	Two Phenanthrenequinone-Based Compound Cathode Materials for Lithium Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1574-A1577.	1.3	8
51	AIEgens with bright mechanoluminescence and thermally activated delayed fluorescence derived from (9H-carbazol-9-yl)(phenyl)methanone. Dyes and Pigments, 2020, 174, 108093.	2.0	8
52	Photochemical Construction of Ni/CdS Doubleâ€Walled Magnetic Hollow Microspheres with Simultaneously Enhanced Visibleâ€Light Photocatalytic Activity and Recyclability. ChemPhotoChem, 2021, 5, 735-747.	1.5	6
53	Synthesis, structures and fluorescence properties ofgem-linked cyclic tetraphenylethylenes and cyclic hexaphenylethylenes. Organic Chemistry Frontiers, 2022, 9, 2932-2938.	2.3	5
54	In situ water gelation by a hydrogelator derived from n-(4-carboxy phenyl)trimellitimide. Journal of Controlled Release, 2011, 152, e195-e196.	4.8	3

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55	Solution-processed organic thin films based on aggregation-induced emission materials. Thin Solid Films, 2012, 526, 15-21.	0.8	2
56	InnenrÃ¼cktitelbild: Transient and Persistent Roomâ€Temperature Mechanoluminescence from a Whiteâ€Lightâ€Emitting AIEgen with Tricolor Emission Switching Triggered by Light (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	2
57	Recyclable electropolymerized films based on donor-acceptor type AIEE-active chromophore for detecting 2,4,6-trinitrophenol. Microchemical Journal, 2021, 162, 105660.	2.3	2
58	Pyrenylâ€Based Aggregationâ€Induced Emission Luminogen for Highly Sensitive and Selective Detection of 2,4,6â€Trinitrotoluene in Water. ChemistrySelect, 2021, 6, 12182-12187.	0.7	2