

Bingjia Xu

List of Publications by Year in descending order

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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	Recent advances in organic mechanofluorochromic materials. <i>Chemical Society Reviews</i> , 2012, 41, 3878.	38.1	1,575
2	Piezofluorochromism of an Aggregation-Induced Emission Compound Derived from Tetraphenylethylene. <i>Chemistry - an Asian Journal</i> , 2011, 6, 808-811.	3.3	294
3	Very bright mechanoluminescence and remarkable mechanochromism using a tetraphenylethene derivative with aggregation-induced emission. <i>Chemical Science</i> , 2015, 6, 3236-3241.	7.4	281
4	End-group effects of piezofluorochromic aggregation-induced enhanced emission compounds containing distyrylanthracene. <i>Journal of Materials Chemistry</i> , 2012, 22, 18505.	6.7	273
5	Piezofluorochromic Properties and Mechanism of an Aggregation-Induced Emission Enhancement Compound Containing <i>N</i> -Hexyl-phenothiazine and Anthracene Moieties. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7606-7611.	2.6	259
6	A stable tetraphenylethene derivative: aggregation-induced emission, different crystalline polymorphs, and totally different mechanoluminescence properties. <i>Materials Horizons</i> , 2016, 3, 220-225.	12.2	228
7	Multifunctional organic fluorescent materials derived from 9,10-distyrylanthracene with alkoxyl endgroups of various lengths. <i>Chemical Communications</i> , 2012, 48, 10895.	4.1	224
8	Transient and Persistent Room-Temperature Mechanoluminescence from a White-Light-Emitting AIEgen with Tricolor Emission Switching Triggered by Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6449-6453.	13.8	222
9	Triphenylethylene carbazole derivatives as a new class of AIE materials with strong blue light emission and high glass transition temperature. <i>Journal of Materials Chemistry</i> , 2009, 19, 5541.	6.7	213
10	New Thermally Stable Piezofluorochromic Aggregation-Induced Emission Compounds. <i>Organic Letters</i> , 2011, 13, 556-559.	4.6	210
11	Achieving remarkable mechanochromism and white-light emission with thermally activated delayed fluorescence through the molecular heredity principle. <i>Chemical Science</i> , 2016, 7, 2201-2206.	7.4	210
12	Aggregation-induced emission enhancement compounds containing triphenylamine-anthrylenevinylene and tetraphenylethene moieties. <i>Journal of Materials Chemistry</i> , 2011, 21, 3760.	6.7	170
13	White-light emission from a single heavy atom-free molecule with room temperature phosphorescence, mechanochromism and thermochromism. <i>Chemical Science</i> , 2017, 8, 1909-1914.	7.4	168
14	New thermally stable aggregation-induced emission enhancement compounds for non-doped red organic light-emitting diodes. <i>Chemical Communications</i> , 2011, 47, 11273.	4.1	167
15	A new ligand and its complex with multi-stimuli-responsive and aggregation-induced emission effects. <i>Chemical Communications</i> , 2011, 47, 11080.	4.1	166
16	An AIE-active luminophore with tunable and remarkable fluorescence switching based on the piezo and protonation-deprotonation control. <i>Chemical Communications</i> , 2014, 50, 7374-7377.	4.1	161
17	Synthesis and properties of novel aggregation-induced emission compounds with combined tetraphenylethylene and dicarbazolyl triphenylethylene moieties. <i>Journal of Materials Chemistry</i> , 2011, 21, 1788-1796.	6.7	157
18	Piezofluorochromic and Aggregation-Induced Emission Compounds Containing Triphenylethylene and Tetraphenylethylene Moieties. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1470-1478.	3.3	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. <i>Journal of Materials Chemistry</i> , 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. <i>Chemical Communications</i> , 2013, 49, 273-275.	4.1	126
21	Achieving very bright mechanoluminescence from purely organic luminophores with aggregation-induced emission by crystal design. <i>Chemical Science</i> , 2016, 7, 5307-5312.	7.4	125
22	A multi-sensing fluorescent compound derived from cyanoacrylic acid. <i>Journal of Materials Chemistry</i> , 2010, 20, 292-298.	6.7	101
23	Piezofluorochromism and morphology of a new aggregation-induced emission compound derived from tetraphenylethylene and carbazole. <i>New Journal of Chemistry</i> , 2012, 36, 685-693.	2.8	100
24	New aggregation-induced emission enhancement materials combined triarylamine and dicarbazolyl triphenylethylene moieties. <i>Journal of Materials Chemistry</i> , 2010, 20, 6103.	6.7	95
25	High-Tg carbazole derivatives as a new class of aggregation-induced emission enhancement materials. <i>Journal of Materials Chemistry</i> , 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. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1225-1234.	5.5	88
27	Transient and Persistent Room-Temperature Mechanoluminescence from a White-Light-Emitting AIEgen with Tricolor Emission Switching Triggered by Light. <i>Angewandte Chemie</i> , 2018, 130, 6559-6563.	2.0	87
28	Synthesis and Properties of Aggregation-Induced Emission Compounds Containing Triphenylethene and Tetraphenylethene Moieties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17574-17581.	3.1	83
29	Synthesis of blue light emitting bis(triphenylethylene) derivatives: A case of aggregation-induced emission enhancement. <i>Dyes and Pigments</i> , 2011, 89, 56-62.	3.7	82
30	Chirality-activated mechanoluminescence from aggregation-induced emission enantiomers with high contrast mechanochromism and force-induced delayed fluorescence. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1800-1806.	5.9	81
31	Efficient and Color-Tunable Dual-Mode Afterglow from Large-Area and Flexible Polymer-Based Transparent Films for Anti-Counterfeiting and Information Encryption. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	74
32	Facile synthesis of a new class of aggregation-induced emission materials derived from triphenylethylene. <i>Journal of Materials Chemistry</i> , 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. <i>Materials Chemistry Frontiers</i> , 2020, 4, 941-949.	5.9	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. <i>Chemical Engineering Journal</i> , 2021, 418, 129167.	12.7	50
35	Reversible and Continuous Color-Tunable Persistent Luminescence of Metal-Free Organic Materials by Self-Interface Energy Transfer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5073-5080.	8.0	45
36	Effect of polyphenyl-substituted ethylene end-capped groups in metal-free organic dyes on performance of dye-sensitized solar cells. <i>RSC Advances</i> , 2012, 2, 7788.	3.6	40

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37	A triphenylamine-based polymer with anthraquinone side chain as cathode material in lithium ion batteries. <i>Electrochimica Acta</i> , 2018, 283, 1284-1290.	5.2	36
38	Afterglows from the indolocarbazole families. <i>Chemical Engineering Journal</i> , 2022, 429, 132346.	12.7	31
39	Synthesis of carbazole derivatives with high quantum yield and high glass transition temperature. <i>Optical Materials</i> , 2009, 32, 94-98.	3.6	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. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3416.	5.5	25
41	An AIE luminogen-based electropolymerized film: an ultrasensitive fluorescent probe for TNP and Fe ³⁺ in water. <i>Materials Chemistry Frontiers</i> , 2021, 5, 492-499.	5.9	21
42	Controlling the thermally activated delayed fluorescence of axially chiral organic emitters and their racemate for information encryption. <i>Chemical Science</i> , 2021, 12, 15556-15562.	7.4	21
43	Blue-light-emitting carbazole derivates with high thermal stability. <i>Optical Materials</i> , 2009, 32, 398-401.	3.6	18
44	Long-Range Charge Transportation Induced Organic Host-Guest Dual Color Long Persistent Luminescence. <i>Advanced Optical Materials</i> , 2021, 9, 2101337.	7.3	17
45	Efficient and Color-Tunable Dual-Mode Afterglow from Large-Area and Flexible Polymer-Based Transparent Films for Anti-Counterfeiting and Information Encryption. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	17
46	Remarkable mechanochromism and force-induced thermally activated delayed fluorescence enhancement from white-light-emitting organic luminogens with aggregation-induced emission. <i>Chinese Chemical Letters</i> , 2022, 33, 4536-4540.	9.0	16
47	A TPE-benzothiazole piezochromic and acidichromic molecular switch with high solid state luminescent efficiency. <i>RSC Advances</i> , 2018, 8, 6252-6258.	3.6	15
48	A multifunctional luminescent network film electrochemically deposited from a new AIEE emitter for OLEDs and explosive detection. <i>Organic Electronics</i> , 2019, 69, 281-288.	2.6	13
49	A MONOMER AND ITS POLYMER DERIVED FROM CARBAZOLYL TRIPHENYLETHYLENE WITH AGGREGATION-INDUCED EMISSION EFFECT CHARACTERISTICS. <i>Acta Polymerica Sinica</i> , 2009, 009, 560-565.	0.0	11
50	Two Phenanthrenequinone-Based Compound Cathode Materials for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1574-A1577.	2.9	8
51	AIEgens with bright mechanoluminescence and thermally activated delayed fluorescence derived from (9H-carbazol-9-yl)(phenyl)methanone. <i>Dyes and Pigments</i> , 2020, 174, 108093.	3.7	8
52	Photochemical Construction of Ni/CdS Double-Walled Magnetic Hollow Microspheres with Simultaneously Enhanced Visible-Light Photocatalytic Activity and Recyclability. <i>ChemPhotoChem</i> , 2021, 5, 735-747.	3.0	6
53	Synthesis, structures and fluorescence properties of gem-linked cyclic tetraphenylethylenes and cyclic hexaphenylethylenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2932-2938.	4.5	5
54	In situ water gelation by a hydrogelator derived from n-(4-carboxy phenyl)trimellitimide. <i>Journal of Controlled Release</i> , 2011, 152, e195-e196.	9.9	3

#	ARTICLE	IF	CITATIONS
55	Solution-processed organic thin films based on aggregation-induced emission materials. Thin Solid Films, 2012, 526, 15-21.	1.8	2
56	Innenr¼cktitelbild: 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 0 BT /Overclock 10 Tf	4.5	2
57	Recyclable electropolymerized films based on donor-acceptor type AIEE-active chromophore for detecting 2,4,6-trinitrophenol. Microchemical Journal, 2021, 162, 105660.	1.5	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.		