Zhang Yi

List of Publications by Year in descending order

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24 papers	4,215 citations	471509 17 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	3855 citing authors

#	Article	IF	Citations
1	Recent advances in organic mechanofluorochromic materials. Chemical Society Reviews, 2012, 41, 3878.	38.1	1,575
2	Recent advances in mechano-responsive luminescence of tetraphenylethylene derivatives with aggregation-induced emission properties. Materials Chemistry Frontiers, 2018, 2, 861-890.	5.9	339
3	Linearly Tunable Emission Colors Obtained from a Fluorescentâ€“Phosphorescent Dualâ€Emission Compound by Mechanical Stimuli. Angewandte Chemie - International Edition, 2015, 54, 6270-6273.	13.8	315
4	Piezofluorochromism of an Aggregationâ€Induced Emission Compound Derived from Tetraphenylethylene. Chemistry - an Asian Journal, 2011, 6, 808-811.	3.3	294
5	Very bright mechanoluminescence and remarkable mechanochromism using a tetraphenylethene derivative with aggregation-induced emission. Chemical Science, 2015, 6, 3236-3241.	7.4	281
6	End-group effects of piezofluorochromic aggregation-induced enhanced emission compounds containing distyrylanthracene. Journal of Materials Chemistry, 2012, 22, 18505.	6.7	273
7	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
8	Dynamic Behavior of Molecular Switches in Crystal under Pressure and Its Reflection on Tactile Sensing. Journal of the American Chemical Society, 2015, 137, 931-939.	13.7	189
9	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
10	A highly specific rhodamine-based colorimetric probe for hypochlorites: a new sensing strategy and real application in tap water. Chemical Communications, 2011, 47, 3189.	4.1	123
11	A H-bond strategy to develop acid-resistant photoswitchable rhodamine spirolactams for super-resolution single-molecule localization microscopy. Chemical Science, 2019, 10, 4914-4922.	7.4	72
12	Supramolecular self-assembly and photophysical properties of pillar[5]arene-stabilized CdTe quantum dots mediated by viologens. RSC Advances, 2013, 3, 5765.	3.6	66
13	Full-color tunable mechanofluorochromism and excitation-dependent emissions of single-arm extended tetraphenylethylenes. Journal of Materials Chemistry C, 2015, 3, 12328-12334.	5.5	66
14	Endowing Hydrochromism to Fluorans via Bioinspired Alteration of Molecular Structures and Microenvironments and Expanding Their Potential for Rewritable Paper. ACS Applied Materials & Interfaces, 2017, 9, 38032-38041.	8.0	50
15	Achieving Optimal Bulk Heterojunction in All-Polymer Solar Cells by Sequential Processing with Nonorthogonal Solvents. ACS Applied Materials & Interfaces, 2019, 11, 42438-42446.	8.0	30
16	A perylene diimide-containing acceptor enables high fill factor in organic solar cells. Chemical Communications, 2020, 56, 11433-11436.	4.1	30
17	A fluorescence molecular switch with high contrast multi-emissions and ON/OFF states. RSC Advances, 2016, 6, 90305-90309.	3.6	20
18	Tuning the molecular geometry and packing mode of non-fullerene acceptors by altering the bridge atoms towards efficient organic solar cells. Materials Chemistry Frontiers, 2020, 4, 2462-2471.	5.9	18

#	Article	IF	Citations
19	Isomerizing thieno[3,4-b]thiophene-based near-infrared non-fullerene acceptors towards efficient organic solar cells. Journal of Materials Chemistry C, 2020, 8, 4357-4364.	5.5	15
20	A new rhodamine based chemodosimeter for Ni²⁺ with high sensitivity and selectivity. RSC Advances, 2015, 5, 66416-66419.	3.6	14
21	Switchable mechanoresponsive luminescence from traditional triphenylamine-thiophene carbaldehyde luminogens. Dyes and Pigments, 2020, 174, 108110.	3.7	8
22	Mechano-Responsive AIE Luminogens. ACS Symposium Series, 2016, , 221-259.	0.5	7
23	The halogen effect of perylene diimide-based non-fullerene acceptors on photovoltaic properties. Dyes and Pigments, 2022, 201, 110232.	3.7	6
24	A hybrid hydrochromic molecular crystal applicable to invisible ink with high reversibility. New Journal of Chemistry, 2021, 45, 21006-21010.	2.8	4