

Shuzhang Xiao

List of Publications by Year in descending order

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34
papers

805
citations

623734

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h-index

501196

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35
all docs

35
docs citations

35
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphism-dependent and piezochromic luminescence based on molecular packing of a conjugated molecule. <i>Chemical Science</i> , 2014, 5, 3922-3928.	7.4	136
2	A ratiometric fluorescent probe for formaldehyde in aqueous solution, serum and air using aza-cope reaction. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 156-162.	7.8	97
3	A fluorescent non-conventional organogelator with gelation-assisted piezochromic and fluoride-sensing properties. <i>Dyes and Pigments</i> , 2017, 137, 111-116.	3.7	61
4	A high-contrast colorimetric and fluorescent probe for Cu ²⁺ based on benzimidazole-quinoline. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 445-450.	7.8	50
5	Solid-Emissive BODIPY Derivatives: Design, Synthesis and Applications. <i>Current Organic Chemistry</i> , 2012, 16, 2970-2981.	1.6	46
6	Multicolor imaging of hydrogen peroxide level in living and apoptotic cells by a single fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2017, 91, 115-121.	10.1	45
7	Solid-emissive boron-fluorine derivatives with large Stokes shift. <i>Tetrahedron</i> , 2012, 68, 5037-5041.	1.9	40
8	Polymorphism and mechanochromic luminescence of a highly solid-emissive quinoline-1,2-ketone boron difluoride dye. <i>CrystEngComm</i> , 2015, 17, 6674-6680.	2.6	37
9	Structure-property correlation of solid-emissive boron-fluorine derivatives. <i>Journal of Organometallic Chemistry</i> , 2012, 717, 147-151.	1.8	31
10	Crystalline solid responsive to mechanical and acidic stimuli: Boron-fluorine derivative with TICT characteristic. <i>Dyes and Pigments</i> , 2013, 99, 543-547.	3.7	29
11	Synthesis and characterization of novel fluorescent BOPIM dyes with large Stokes shift. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 612-616.	1.7	26
12	Highly Fluorescent Non-Conventional Boron-Difluoride-Based Organogel with Gelation-Assisted Piezochromism. <i>Chemistry - an Asian Journal</i> , 2017, 12, 198-202.	3.3	25
13	Solid state emission and mechanochromic luminescence of boron 2-(2-pyridyl)imidazole complexes. <i>Dyes and Pigments</i> , 2016, 132, 342-346.	3.7	23
14	Aggregation-induced emission enhancement (AIEE)-active boron-difluoride dyes with reversible mechanochromic fluorescence. <i>RSC Advances</i> , 2019, 9, 35872-35877.	3.6	19
15	Retinal-based polyene fluorescent probe for selectively detection of Cu ²⁺ in physiological saline and serum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117565.	3.9	13
16	Synthesis, crystal structures, and photophysical properties of dibromo-2-(2-pyridyl)imidazole and its corresponding boron-fluorine complex. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3303-3310.	2.2	12
17	Efficient synthesis of solid-emissive Boron-Fluorine derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 4116-4120.	1.4	12
18	Halogen Effect on Non-Conventional Organogel Assisted by Balanced π - π Interaction. <i>ChemistrySelect</i> , 2017, 2, 5421-5426.	1.5	12

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19	Non-aggregated boron-fluorine derivatives with photodynamic activity. <i>Applied Organometallic Chemistry</i> , 2012, 26, 707-711.	3.5	11
20	A near infrared fluorescent probe for one-step detection of histone deacetylase activity based on an intramolecular FRET. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126791.	7.8	11
21	Design of Stimuli-Responsive Phenothiazine Derivatives with Triplet-Related Dual Emission and High-Contrast Mechanochromism Guided by Polymorph Prediction. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	11
22	High-contrast colourimetric probes for fluoride and trace water based on tautomerization of naphthalimide and application in fingerprint imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 254, 119674.	3.9	10
23	Solvent-controlled tautomerism of malononitrile-naphthalimide via intramolecular proton transfer. <i>Dyes and Pigments</i> , 2018, 155, 121-125.	3.7	8
24	Photochromism of boron difluoride-based diarylethenes. <i>Tetrahedron Letters</i> , 2016, 57, 2647-2651.	1.4	7
25	Aggregation-induced emission (AIE)-active phenanthrenequinone hydrazone-based dyes with reversible mechanofluochromism. <i>Materials Today Communications</i> , 2019, 20, 100565.	1.9	6
26	Pyran-based derivative: non-conventional organogel and tri-colored high-contrast mechanochromism. <i>Tetrahedron Letters</i> , 2022, 100, 153888.	1.4	5
27	Synthesis and photochromic properties of coumarin-based dithienylethenes. <i>Research on Chemical Intermediates</i> , 2018, 44, 6489-6495.	2.7	4
28	Non-conventional low-molecular-weight organogelators with superhydrophobicity based on fluorescent β^2 -diketone-boron difluorides. <i>Dyes and Pigments</i> , 2020, 175, 108176.	3.7	4
29	Facile synthesis of novel [1,3]oxazino[2,3-c][1,2,4]thiadiazin-12-one derivatives. <i>Research on Chemical Intermediates</i> , 2017, 43, 5395-5402.	2.7	3
30	Mimicking light-sensing chromophore in visual pigments and determination isomerization site. <i>Dyes and Pigments</i> , 2020, 175, 108177.	3.7	3
31	Solid-state red emission of boron-fluorine complexes with extended π -conjugated structure. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 187-191.	1.7	2
32	Fluorescent labeling of oleanolic acid using \AA^{\sim} click \AA^{TM} chemistry. <i>Heterocyclic Communications</i> , 2013, 19, .	1.2	2
33	Solid-emissive rhodamine: hydrogen bonding-assisted efficient intermolecular fluorescence resonance energy transfer in the solid state. <i>Supramolecular Chemistry</i> , 2014, 26, 105-110.	1.2	2
34	Remarkable Piezochromism of Alkoxy-substituted β -A Quinoline Derivatives Induced by Protonation. <i>Chemistry Letters</i> , 2017, 46, 1130-1132.	1.3	2