

Zhengfeng Xie

List of Publications by Year in descending order

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52
papers

923
citations

471509
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all docs

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52
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly selective and sensitive fluorescent probe possessing AIEE and ICT properties for rapid detection of Pb ²⁺ in aqueous medium and its applications in living cells. <i>Luminescence</i> , 2022, 37, 108-117.	2.9	6
2	Highly efficient and selective adsorption of heavy metal ions by hydrazide-modified sodium alginate. <i>Carbohydrate Polymers</i> , 2022, 276, 118797.	10.2	63
3	Functionalized polymethyl methacrylate-modified dialdehyde guar gum containing hydrazide groups for effective removal and enrichment of dyes, ion, and oil/water separation. <i>Journal of Hazardous Materials</i> , 2022, 426, 127799.	12.4	31
4	Converting waste polystyrene foam into new value-added materials: A large-capacity scavenger to remove cationic dyes and heavy metals. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51868.	2.6	6
5	Effective removal of metal ions and cationic dyes from aqueous solution using different hydrazine-dopamine modified sodium alginate. <i>International Journal of Biological Macromolecules</i> , 2022, 195, 317-328.	7.5	6
6	Upcycling of expanded polystyrene waste: Amination as adsorbent to recover Eriochrome Black T and Congo red. <i>Separation and Purification Technology</i> , 2022, 289, 120669.	7.9	11
7	Highly Efficient Adsorption of Heavy Metals and Cationic Dyes by Smart Functionalized Sodium Alginate Hydrogels. <i>Gels</i> , 2022, 8, 343.	4.5	16
8	Synthesis of Triazole Functionalized Triphenylamine Cu ²⁺ Fluorescent Probe and Its Application in Detection and HeLa Cells. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 1463.	1.3	2
9	Synthesis of Salicylhydrazone Probe with High Selectivity and Rapid Detection Cu ²⁺ and Its Application in Logic Gate and Adsorption. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 2839.	1.3	4
10	Bifunctional cyclomatrix polyphosphazene-based hybrid with abundant decorating groups: Synthesis and application as efficient electrochemical Pb(II) probe and methylene blue absorbent. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 683-692.	9.4	16
11	Amidation modified waste polystyrene foam as an efficient recyclable adsorbent for organic dyes removal. <i>Water Science and Technology</i> , 2021, 83, 2192-2206.	2.5	8
12	Synthesis and Nitrite/Sulfite Electrochemical Response Investigation of Fluorene-Based, Cross-Linked Polyisocyanide. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100173.	3.6	4
13	1-[(2-Hydroxy-phenylimino)-methyl]-naphthalen-2-ol: application in detection and adsorption of aluminum ions. <i>Research on Chemical Intermediates</i> , 2021, 47, 4333-4347.	2.7	2
14	A novel activation-hydrochar via hydrothermal carbonization and KOH activation of sewage sludge and coconut shell for biomass wastes: Preparation, characterization and adsorption properties. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 390-407.	9.4	100
15	Highly Selective and Sensitive Sulfonylhydrazone Type Fluorescent Probe for Rapid Detection of Mercury(II) and Its Application in Logic Gate and Adsorption. <i>ChemistrySelect</i> , 2021, 6, 7123-7129.	1.5	8
16	Study on removal of organic dyes by Fe ₃ O ₄ /amidation modified waste polystyrene composites. <i>Environmental Technology and Innovation</i> , 2021, 23, 101732.	6.1	14
17	Synthesis of Sulfonylhydrazone Type Probe with High Selectivity for Rapid Detection of Mercury and Its Application in Adsorption and HeLa Cell. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 1138.	1.3	12
18	Magnetic cross-linked chitosan for efficient removing anionic and cationic dyes from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 337-346.	7.5	6

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19	Study of the Synthesis and Application of a Fluorescence-Enhanced Mg ²⁺ Probe. <i>ChemistrySelect</i> , 2021, 6, 13809-13816.	1.5	9
20	A Novel 2-Phenyl-1,2,3-Triazole Derived Fluorescent Probe for Recyclable Detection of Al ³⁺ in Aqueous Medium and Its Application. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 627-641.	1.0	3
21	Synthesis and Optical Properties of Novel Spiro[chromo(2,3-c)-pyrazole-4,1'-isobenzofuran]-3'-one Compounds. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 501.	1.3	6
22	Study on Oxidative Desulfurization of Simulated Oil Catalyzed With Glycine Modified Phosphotungstic Acid. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1899-1905.	0.5	1
23	A Novel Fluorescent Probe Based on Spiro[chromeno[2,3-c]pyrazole-4,1'-[2]benzofuran]-3'-one for Detecting Copper(II) ions in Aqueous Solution. <i>Russian Journal of Organic Chemistry</i> , 2019, 55, 866-873.	0.8	4
24	An Intramolecular Charge Transfer and Aggregation Induced Emission Enhancement Fluorescent Probe Based on 2-Phenyl-1,2,3-triazole for Highly Selective and Sensitive Detection of Homocysteine and Its Application in Living Cells. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1216-1222.	4.9	17
25	Multiple-responsive organogels with self-colorimetric chemo sensing responsiveness towards Hg ²⁺ ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 124003.	4.7	14
26	Tetraphenylethene-decorated functional polybenzoxazines: post-polymerization synthesis via benzoxazine-isocyanide chemistry and application in probing and catalyst fields. <i>Polymer Chemistry</i> , 2019, 10, 1130-1139.	3.9	18
27	New Fast, Highly Selective Probe with Both Aggregation-Induced Emission Enhancement and Intramolecular Charge-Transfer Characteristics for Homocysteine Detection. <i>ACS Omega</i> , 2019, 4, 5367-5373.	3.5	13
28	A novel highly selective probe with both aggregation-induced emission enhancement and intramolecular charge transfer characteristics for CN ⁻ detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 154-165.	7.8	46
29	Isocyano-functionalized, 1,8-naphthalimide-based chromophore as efficient ratiometric fluorescence probe for Hg ²⁺ in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3074-3084.	7.8	27
30	Functionalized boron carbide for enhancement of anticorrosion performance of epoxy resin. <i>Polymers for Advanced Technologies</i> , 2018, 29, 758-766.	3.2	20
31	Atom-economical, room-temperature, and high-efficiency synthesis of polyamides via a three-component polymerization involving benzoxazines, odorless isocyanides, and water. <i>Polymer Chemistry</i> , 2018, 9, 5566-5571.	3.9	25
32	Synthesis and Properties of a Novel Colorimetric and Fluorescent Turn-On Sensor for Cyanide. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 2109.	1.3	9
33	A novel optical probe for Hg ²⁺ in aqueous media based on mono-thiosemicarbazone Schiff base. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 338, 1-7.	3.9	29
34	Dimedone-decorated conjugated polymer: Tandem Knoevenagel-Michael post-modification synthesis and its application as optical probe for Hg ²⁺ and ClO ⁻ in high water fraction mediums. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1067-1076.	2.3	4
35	A highly selective and sensitive Schiff-base based turn-on optical sensor for Cu ²⁺ in aqueous medium and acetonitrile. <i>Inorganic Chemistry Communication</i> , 2017, 79, 50-54.	3.9	18
36	An aggregation-induced emission enhancement fluorescent benzoxazine-derived macromolecule: catalyst-free synthesis and its preliminary application for the determination of aqueous picric acid. <i>RSC Advances</i> , 2016, 6, 41340-41347.	3.6	10

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37	Barbituric acid-triphenylamine adduct as an AIEE-type molecule and optical probe for mercury(Hg^{2+}). <i>New Journal of Chemistry</i> , 2016, 40, 7814-7820.	2.8	22
38	A novel thiosemicarbazone Schiff base derivative with aggregation-induced emission enhancement characteristics and its application in Hg^{2+} detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 563-569.	7.8	68
39	Simple-structured, hydrazinecarbothioamide derivatived dual-channel optical probe for Hg^{2+} and Ag^+ . <i>Journal of Luminescence</i> , 2016, 174, 56-62.	3.1	39
40	A highly selective and sensitive acylhydrazone-based turn-on optical sensor for Al^{3+} . <i>RSC Advances</i> , 2016, 6, 28034-28037.	3.6	27
41	Diphenylphosphoryl-triazole-tethered, AIEE-type Conjugated Polymer as Optical Probe for Silver Ion in Relatively High Water Fraction Medium. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2263-2269.	2.2	4
42	A new highly selective fluorescent turn-on chemosensor for cyanide anion. <i>Talanta</i> , 2015, 137, 38-42.	5.5	63
43	PMoA/MCM-41 catalyzed aza-Michael reaction: special effects of mesoporous nanoreactor on chemical equilibrium and reaction rate through surface energy transformation. <i>New Journal of Chemistry</i> , 2015, 39, 5916-5919.	2.8	13
44	N-Unsubstituted-1,2,3-triazole-tethered, AIEE type conjugated polymer as a ratiometric fluorescence probe for silver ions. <i>New Journal of Chemistry</i> , 2015, 39, 8552-8559.	2.8	8
45	Aqueous nanodispersion of acetylene tethered, quinoxaline-containing conjugated polymer as fluorescence probe for Ag^+ . <i>New Journal of Chemistry</i> , 2014, 38, 4730-4735.	2.8	4
46	Schiff base supported MCM-41 catalyzed the Knoevenagel condensation in water. <i>RSC Advances</i> , 2013, 3, 3222.	3.6	35
47	Friedel-Crafts Alkylation of Indoles with Nitroalkenes Catalyzed by Zn(II) -Thiourea Complex. <i>Chinese Journal of Chemistry</i> , 2012, 30, 311-315.	4.9	18
48	$\text{CrCl}_3 \cdot 6\text{H}_2\text{O}$ /Hydrogenated Bis-Schiff Base as a New Efficient Catalyst System for Synthesis of Bis(indolyl) Methane. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2091-2096.	4.9	5
49	Efficient Allylation of Active Ketones Promoted by <i>p</i> -Nitrobenzoic Acid. <i>Chinese Journal of Chemistry</i> , 2010, 28, 1212-1216.	4.9	3
50	Three-component Synthesis of Homoallylic Amines Catalyzed by Phosphomolybdic Acid in Water. <i>Chinese Journal of Chemistry</i> , 2009, 27, 925-929.	4.9	11
51	Synthesis and crystal structure of 5-pyrazol-4,5-dihydropyrazoles derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1485-1488.	2.6	12
52	Synthesis of new 3-(4-oxo-4H-chromen-3-yl)-3a,6a-dihydropyrrolo[3,4-d]isoxazole-4,6-dione derivatives by 1,3-dipolar cycloaddition reaction. <i>Journal of Heterocyclic Chemistry</i> , 2005, 42, 695-697.	2.6	3