Wei Shi

List of Publications by Year
in descending order

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72	1,384	331670 21	395702 33
papers	citations	h-index	g-index

73	73	73	1322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Poly(3,6-silafluorene-co-2,7-fluorene)-based high-efficiency and color-pure blue light-emitting polymers with extremely narrow band-width and high spectral stability. Journal of Materials Chemistry, 2006, 16, 4133.	6.7	95
2	Ultraviolet-emitting conjugated polymer poly(9,9â€²-alkyl-3,6-silafluorene) with a wide band gap of 4.0 eV. Chemical Communications, 2005, , 4925.	4.1	92
3	Synthesis of novel triphenylamine-based conjugated polyelectrolytes and their application as hole-transport layers in polymeric light-emitting diodes. Journal of Materials Chemistry, 2006, 16, 2387.	6.7	80
4	A novel thiosemicarbazone Schiff base derivative with aggregation-induced emission enhancement characteristics and its application in Hg2+ detection. Sensors and Actuators B: Chemical, 2016, 237, 563-569.	7.8	68
5	A new highly selective fluorescent turn-on chemosensor for cyanide anion. Talanta, 2015, 137, 38-42.	5.5	63
6	Highly efficient and selective adsorption of heavy metal ions by hydrazide-modified sodium alginate. Carbohydrate Polymers, 2022, 276, 118797.	10.2	63
7	Synthesis and application of a novel betaine-type copolymer as fluid loss additive for water-based drilling fluid. Colloid and Polymer Science, 2017, 295, 53-66.	2.1	47
8	A novel highly selective probe with both aggregation-induced emission enhancement and intramolecular charge transfer characteristics for CNâ¯ detection. Sensors and Actuators B: Chemical, 2018, 257, 154-165.	7.8	46
9	Simple-structured, hydrazinecarbothioamide derivatived dual-channel optical probe for Hg2+ and Ag+. Journal of Luminescence, 2016, 174, 56-62.	3.1	39
10	Functionalized polymethyl methacrylate-modified dialdehyde guar gum containing hydrazide groups for effective removal and enrichment of dyes, ion, and oil/water separation. Journal of Hazardous Materials, 2022, 426, 127799.	12.4	31
11	A novel optical probe for Hg 2+ in aqueous media based on mono-thiosemicarbazone Schiff base. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 338, 1-7.	3.9	29
12	A catalysis study of mesoporous MCM-41 supported Schiff base and CuSO4Â·5H2O in a highly regioselective synthesis of 4-thiazolidinone derivatives from cyclocondensation of mercaptoacetic acid. Chinese Chemical Letters, 2016, 27, 335-339.	9.0	28
13	A highly selective and sensitive acylhydrazone-based turn-on optical sensor for Al³⁺. RSC Advances, 2016, 6, 28034-28037.	3.6	27
14	Isocyano-functionalized, 1,8-naphthalimide-based chromophore as efficient ratiometric fluorescence probe for Hg2+ in aqueous medium. Sensors and Actuators B: Chemical, 2018, 255, 3074-3084.	7.8	27
15	Enhancing performance and stability of perovskite solar cells through defect passivation with a polyamide derivative obtained from benzoxazine-isocyanide chemistry. Chemical Engineering Journal, 2022, 431, 133951.	12.7	27
16	Triphenylamine-based conjugated polymer/Iâ¯ complex as turn-on optical probe for mercury(II) ion. Sensors and Actuators B: Chemical, 2013, 182, 782-788.	7.8	26
17	A simple and highly selective â€˜turn-onâ€™ type fluorescence chemodosimeter for Hg2+ based on 1-(2-phenyl-2H-[1,2,3]triazole-4-carbonyl)thiosemicarbazide. Journal of Luminescence, 2015, 157, 280-284.	3.1	26
18	Atom-economical, room-temperature, and high-efficiency synthesis of polyamides via a three-component polymerization involving benzoxazines, odorless isocyanides, and water. Polymer Chemistry, 2018, 9, 5566-5571.	3.9	25

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19	Thymine-covalently decorated, AIEE-type conjugated polymer as fluorescence turn-on probe for aqueous Hg2+. Sensors and Actuators B: Chemical, 2014, 198, 395-401.	7.8	24
20	Barbituric acidâ€“triphenylamine adduct as an AIEE-type molecule and optical probe for mercury(<scp>ii</scp>). New Journal of Chemistry, 2016, 40, 7814-7820.	2.8	22
21	Novel luminescent polymers containing backbone triphenylamine groups and pendant quinoxaline groups. Dyes and Pigments, 2009, 83, 102-110.	3.7	21
22	Carbazole-based conjugated polymer with tethered acetylene groups: Synthesis and characterization. Dyes and Pigments, 2013, 96, 138-147.	3.7	18
23	A highly selective and sensitive Schiff-base based turn-on optical sensor for Cu 2+ in aqueous medium and acetonitrile. Inorganic Chemistry Communication, 2017, 79, 50-54.	3.9	18
24	Tetraphenylethene-decorated functional polybenzoxazines: post-polymerization synthesis via benzoxazineâ€“isocyanide chemistry and application in probing and catalyst fields. Polymer Chemistry, 2019, 10, 1130-1139.	3.9	18
25	Sulfur-containing, triphenylamine-based red-emitting conjugated polymer/Iâ¯ assembly as turn-on optical probe for mercury(II) ion. Sensors and Actuators B: Chemical, 2015, 220, 600-606.	7.8	17
26	An Intramolecular Charge Transfer and Aggregation Induced Emission Enhancement Fluorescent Probe Based on 2â€Phenylâ€1,2,3â€triazole for Highly Selective and Sensitive Detection of Homocysteine and Its Application in Living Cells. Chinese Journal of Chemistry, 2019, 37, 1216-1222.	4.9	17
27	Novel triphenylamine-based polyamides: Efficient preparation via benzoxazine-isocyanide-chemistry at room temperature and electrochromic properties investigation. Dyes and Pigments, 2020, 176, 108206.	3.7	17
28	Anionic triphenylamineâ€•and fluoreneâ€based conjugated polyelectrolyte as a holeâ€transporting material for polymer lightâ€emitting diodes. Polymer International, 2009, 58, 373-379.	3.1	16
29	Introducing hydroxyl into cationic surfactants as viscoelastic surfactant fracturing fluid with high temperature resistance. Russian Journal of Applied Chemistry, 2016, 89, 2016-2026.	0.5	16
30	Bifunctional cyclomatrix polyphosphazene-based hybrid with abundant decorating groups: Synthesis and application as efficient electrochemical Pb(II) probe and methylene blue absorbent. Journal of Colloid and Interface Science, 2021, 587, 683-692.	9.4	16
31	Enhancing the performance of a thieno[3-4-b]pyrazine based polymer solar cell by introducing ethynylene linkages. European Polymer Journal, 2012, 48, 2076-2084.	5.4	14
32	Carbazoleâ€based conjugated polymer covalently coated Fe₃O₄ nanoparticle as efficient and reversible Hg²⁺ optical probe. Journal of Polymer Science Part A, 2013, 51, 3636-3645.	2.3	14
33	Multiple-responsive organogels with self-colorimetric chemo sensing responsiveness towards Hg2+ ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 583, 124003.	4.7	14
34	PMoA/MCM-41 catalyzed aza-Michael reaction: special effects of mesoporous nanoreactor on chemical equilibrium and reaction rate through surface energy transformation. New Journal of Chemistry, 2015, 39, 5916-5919.	2.8	13
35	New Fast, Highly Selective Probe with Both Aggregation-Induced Emission Enhancement and Intramolecular Charge-Transfer Characteristics for Homocysteine Detection. ACS Omega, 2019, 4, 5367-5373.	3.5	13
36	Diphenylmethane-based cross-linked polyisocyanide: synthesis and application as nitrite electrochemical probe and N-doped carbon precursor. Journal of Materials Science, 2020, 55, 5021-5037.	3.7	13

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37	Apigenin/furfurylamine-based bio-polyamide derivative: Benzoxazine-isocyanide mechanochemistry preparation and application in Pb(II) electrochemical probing. Reactive and Functional Polymers, 2021, 166, 104996.	4.1	13
38	Novel poly(arylene ethynylene) derivatives containing main chain triphenylamine and pendent quinoxaline moieties: synthesis and elementary characterization. Polymer International, 2009, 58, 800-806.	3.1	12
39	TCNE-decorated triphenylamine-based conjugated polymer: Click synthesis and efficient turn-on fluorescent probing for Hg2+. Dyes and Pigments, 2014, 104, 1-7.	3.7	12
40	Synthesis of Sulfonylhydrazone Type Probe with High Selectivity for Rapid Detection of Mercury and Its Application in Adsorption and HeLa Cell. Chinese Journal of Organic Chemistry, 2021, 41, 1138.	1.3	12
41	In-situ benzoxazine-isocyanide chemistry (BIC)/sol-gel preparation and Pb(II) electrochemical probing investigation of modified polyamide/silica composite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127798.	4.7	12
42	Facile Mechanochemical Preparation of Polyamide-derivatives via Solid-state Benzoxazine-isocyanide Chemistry. Chinese Journal of Polymer Science (English Edition), 2021, 39, 573-584.	3.8	11
43	High-efficiency electroluminescent polymers with stable high work function metal Al and Au as cathode. European Polymer Journal, 2006, 42, 2320-2327.	5.4	10
44	The effect of solvents and organic acids on the p-doping behaviors of poly(3â€²,4â€²-Ethylenedioxy-2,2â€²:5â€²,2â€³-terthiophene). Polymer Science - Series B, 2012, 54, 413-419.	0.8	10
45	A type of novel fluorescent phosphinimine derivative: Catalyst-free simple synthesis and optical properties. Dyes and Pigments, 2013, 99, 822-828.	3.7	10
46	Fluoreneâ€based conjugated polymer with tethered thymines: click postpolymerization synthesis and optical response to mercury(II). Journal of Applied Polymer Science, 2013, 129, 1763-1772.	2.6	10
47	An aggregation-induced emission enhancement fluorescent benzoxazine-derived macromolecule: catalyst-free synthesis and its preliminary application for the determination of aqueous picric acid. RSC Advances, 2016, 6, 41340-41347.	3.6	10
48	Synthesis and Properties of a Novel Colorimetric and Fluorescent Turn-On Sensor for Cyanide. Chinese Journal of Organic Chemistry, 2018, 38, 2109.	1.3	9
49	NOVEL RED LIGHT-EMITTING POLYMERS BASED ON 2,7-CARBAZOLE AND THIOPHENE DERIVATIVES. Chinese Journal of Polymer Science (English Edition), 2008, 26, 231.	3.8	8
50	N-Unsubstituted-1,2,3-triazole-tethered, AIEE type conjugated polymer as a ratiometric fluorescence probe for silver ions. New Journal of Chemistry, 2015, 39, 8552-8559.	2.8	8
51	Amidation modified waste polystyrene foam as an efficient recyclable adsorbent for organic dyes removal. Water Science and Technology, 2021, 83, 2192-2206.	2.5	8
52	Highly Selective and Sensitive Sulfonylhydrazone Type Fluorescent Probe for Rapid Detection of Mercury(II) and Its Application in Logic Gate and Adsorption. ChemistrySelect, 2021, 6, 7123-7129.	1.5	8
53	Triphenylamine and Fluorene Based Cationic Conjugated Polyelectrolytes: Synthesis and Characterization. Macromolecular Chemistry and Physics, 2009, 210, 150-160.	2.2	6
54	Diverse functional groups decorated, bifunctional polyesteramide as efficient Pb(II) electrochemical probe and methylene blue adsorbent. European Polymer Journal, 2021, 160, 110810.	5.4	6

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55	Magnetic cross-linked chitosan for efficient removing anionic and cationic dyes from aqueous solution. International Journal of Biological Macromolecules, 2021, 193, 337-346.	7.5	6
56	Highly selective and sensitive fluorescent probe possessing AIEE and ICT properties for rapid detection of Pb²⁺ in aqueous medium and its applications in living cells. Luminescence, 2022, 37, 108-117.	2.9	6
57	Effective removal of metal ions and cationic dyes from aqueous solution using different hydrazineâ€“dopamine modified sodium alginate. International Journal of Biological Macromolecules, 2022, 195, 317-328.	7.5	6
58	Multifunctional diphenyl ether-based, cross-linked polyisocyanide for efficient iodine capture and NO2-/SO32- electrochemical probing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 642, 128680.	4.7	6
59	Aqueous nanodispersion of acetylene tethered, quinoxaline-containing conjugated polymer as fluorescence probe for Ag+. New Journal of Chemistry, 2014, 38, 4730-4735.	2.8	4
60	Diphenylphosphorylâ€Triazoleâ€Tethered, AIEEâ€Type Conjugated Polymer as Optical Probe for Silver Ion in Relatively Highâ€Waterâ€Fraction Medium. Macromolecular Chemistry and Physics, 2015, 216, 2263-2269.	2.2	4
61	Benzylidenecyclohexanone-triazole-based conjugated polymer: Click synthesis, Staudinger end-capping and application as optical probe scaffold. Dyes and Pigments, 2016, 133, 406-414.	3.7	4
62	Dimedoneâ€decorated conjugated polymer: Tandem knoevenagelâ€michael postâ€modification synthesis and its application as optical probe for Hg²⁺ and ClO^{â^'} in highâ€waterâ€fraction mediums. Journal of Polymer Science Part A, 2017, 55, 1067-1076.	2.3	4
63	A Novel Fluorescent Probe Based on Spiro[chromeno[2,3-c]pyrazole-4,1â€²-[2]benzofuran]-3â€²-one for Detecting Copper(II) ions in Aqueous Solution. Russian Journal of Organic Chemistry, 2019, 55, 866-873.	0.8	4
64	Synthesis of Salicylhydrazone Probe with High Selectivity and Rapid Detection Cu2+ and Its Application in Logic Gate and Adsorption. Chinese Journal of Organic Chemistry, 2021, 41, 2839.	1.3	4
65	Synthesis and Nitrite/Sulfite Electrochemical Response Investigation of Fluoreneâ€Based, Crossâ€Linked Polyisocyanide. Macromolecular Materials and Engineering, 2021, 306, 2100173.	3.6	4
66	One-Pot Synthesis of 4-Thiazolidinone Derivatives Catalyzed by Zinc Acetate-Schiff Base Complex Immobilized on Mesoporous Molecular Sieve MCM-41. Chinese Journal of Organic Chemistry, 2016, 36, 1942.	1.3	4
67	Pendant-decorated polytriphenylamine derivative: potential blue-emitting and hole-transporting material. Polymer Bulletin, 2010, 64, 53-65.	3.3	3
68	Oxidation of aldehydes to carboxylic acids in water catalyzed by cobalt(II) Schiff-base complex anchored to SBA-15/MCM-41. Russian Journal of General Chemistry, 2014, 84, 782-788.	0.8	3
69	A Novel 2-Phenyl-1,2,3-Triazole Derived Fluorescent Probe for Recyclable Detection of Al3+ in Aqueous Medium and Its Application. Russian Journal of Bioorganic Chemistry, 2020, 46, 627-641.	1.0	3
70	Friedel-Crafts Reaction of Indoles withN-Sulfonyl Imines Catalyzed by H₃PW₁₂O₄₀. Chinese Journal of Organic Chemistry, 2014, 34, 898.	1.3	2
71	p-benzoquinone diimines and thiophene based alternating copolymers: organometallic catalyzed syntheses and elementary characterization. Journal of Polymer Research, 2012, 19, 1.	2.4	1
72	SYNTHESIS AND APPLICATIONS OF SULFONATE-SUBSTITUTED,TRIPHENYLAMINE-BASED CONJUGATED POLYELECTROLYTES. Acta Polymerica Sinica, 2009, 009, 465-470.	0.0	1