

# Wei Shi

## List of Publications by Year in descending order

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72  
papers

1,384  
citations

331670

21  
h-index

395702

33  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1322  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ benzoxazine-isocyanide chemistry (BIC)/sol-gel preparation and Pb(II) electrochemical probing investigation of modified polyamide/silica composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127798.	4.7	12
2	Highly selective and sensitive fluorescent probe possessing AIEE and ICT properties for rapid detection of Pb <sup>2+</sup> in aqueous medium and its applications in living cells. <i>Luminescence</i> , 2022, 37, 108-117.	2.9	6
3	Highly efficient and selective adsorption of heavy metal ions by hydrazide-modified sodium alginate. <i>Carbohydrate Polymers</i> , 2022, 276, 118797.	10.2	63
4	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
5	Enhancing performance and stability of perovskite solar cells through defect passivation with a polyamide derivative obtained from benzoxazine-isocyanide chemistry. <i>Chemical Engineering Journal</i> , 2022, 431, 133951.	12.7	27
6	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
7	Multifunctional diphenyl ether-based, cross-linked polyisocyanide for efficient iodine capture and NO <sub>2</sub> /SO <sub>3</sub> <sup>2-</sup> electrochemical probing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128680.	4.7	6
8	Facile Mechanochemical Preparation of Polyamide-derivatives via Solid-state Benzoxazine-isocyanide Chemistry. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 573-584.	3.8	11
9	Synthesis of Salicylhydrazone Probe with High Selectivity and Rapid Detection Cu <sup>2+</sup> 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	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
14	Diverse functional groups decorated, bifunctional polyesteramide as efficient Pb(II) electrochemical probe and methylene blue adsorbent. <i>European Polymer Journal</i> , 2021, 160, 110810.	5.4	6
15	Apigenin/furfurylamine-based bio-polyamide derivative: Benzoxazine-isocyanide mechanochemistry preparation and application in Pb(II) electrochemical probing. <i>Reactive and Functional Polymers</i> , 2021, 166, 104996.	4.1	13
16	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
17	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
18	A Novel 2-Phenyl-1,2,3-Triazole Derived Fluorescent Probe for Recyclable Detection of Al <sup>3+</sup> in Aqueous Medium and Its Application. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 627-641.	1.0	3

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19	Diphenylmethane-based cross-linked polyisocyanide: synthesis and application as nitrite electrochemical probe and N-doped carbon precursor. <i>Journal of Materials Science</i> , 2020, 55, 5021-5037.	3.7	13
20	Novel triphenylamine-based polyamides: Efficient preparation via benzoxazine-isocyanide-chemistry at room temperature and electrochromic properties investigation. <i>Dyes and Pigments</i> , 2020, 176, 108206.	3.7	17
21	A Novel Fluorescent Probe Based on Spiro[chromeno[2,3-c]pyrazole-4,1 $\epsilon$ -[2]benzofuran]-3 $\alpha$ -one for Detecting Copper(II) ions in Aqueous Solution. <i>Russian Journal of Organic Chemistry</i> , 2019, 55, 866-873.	0.8	4
22	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
23	Multiple-responsive organogels with self-colorimetric chemo sensing responsiveness towards Hg <sup>2+</sup> ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 124003.	4.7	14
24	Tetraphenylethene-decorated functional polybenzoxazines: post-polymerization synthesis <i>via</i> benzoxazine-isocyanide chemistry and application in probing and catalyst fields. <i>Polymer Chemistry</i> , 2019, 10, 1130-1139.	3.9	18
25	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
26	A novel highly selective probe with both aggregation-induced emission enhancement and intramolecular charge transfer characteristics for CN <sup>-</sup> detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 154-165.	7.8	46
27	Isocyano-functionalized, 1,8-naphthalimide-based chromophore as efficient ratiometric fluorescence probe for Hg <sup>2+</sup> in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3074-3084.	7.8	27
28	Atom-economical, room-temperature, and high-efficiency synthesis of polyamides <i>via</i> a three-component polymerization involving benzoxazines, odorless isocyanides, and water. <i>Polymer Chemistry</i> , 2018, 9, 5566-5571.	3.9	25
29	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
30	A novel optical probe for Hg <sup>2+</sup> 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
31	Dimedone-decorated conjugated polymer: Tandem Knoevenagel-Michael post-modification synthesis and its application as optical probe for Hg <sup>2+</sup> and ClO <sup>-</sup> in high-water fraction mediums. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1067-1076.	2.3	4
32	A highly selective and sensitive Schiff-base based turn-on optical sensor for Cu <sup>2+</sup> in aqueous medium and acetonitrile. <i>Inorganic Chemistry Communication</i> , 2017, 79, 50-54.	3.9	18
33	Synthesis and application of a novel betaine-type copolymer as fluid loss additive for water-based drilling fluid. <i>Colloid and Polymer Science</i> , 2017, 295, 53-66.	2.1	47
34	Introducing hydroxyl into cationic surfactants as viscoelastic surfactant fracturing fluid with high temperature resistance. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 2016-2026.	0.5	16
35	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
36	Barbituric acid-triphenylamine adduct as an AIEE-type molecule and optical probe for mercury( <sup>II</sup> ). <i>New Journal of Chemistry</i> , 2016, 40, 7814-7820.	2.8	22

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37	A novel thiosemicarbazone Schiff base derivative with aggregation-induced emission enhancement characteristics and its application in Hg <sup>2+</sup> detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 563-569.	7.8	68
38	Benzylidenecyclohexanone-triazole-based conjugated polymer: Click synthesis, Staudinger end-capping and application as optical probe scaffold. <i>Dyes and Pigments</i> , 2016, 133, 406-414.	3.7	4
39	A catalysis study of mesoporous MCM-41 supported Schiff base and CuSO <sub>4</sub> ·5H <sub>2</sub> O in a highly regioselective synthesis of 4-thiazolidinone derivatives from cyclocondensation of mercaptoacetic acid. <i>Chinese Chemical Letters</i> , 2016, 27, 335-339.	9.0	28
40	Simple-structured, hydrazinecarbothioamide derivatived dual-channel optical probe for Hg <sup>2+</sup> and Ag <sup>+</sup> . <i>Journal of Luminescence</i> , 2016, 174, 56-62.	3.1	39
41	A highly selective and sensitive acylhydrazone-based turn-on optical sensor for Al <sup>3+</sup> . <i>RSC Advances</i> , 2016, 6, 28034-28037.	3.6	27
42	One-Pot Synthesis of 4-Thiazolidinone Derivatives Catalyzed by Zinc Acetate-Schiff Base Complex Immobilized on Mesoporous Molecular Sieve MCM-41. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1942.	1.3	4
43	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
44	A new highly selective fluorescent turn-on chemosensor for cyanide anion. <i>Talanta</i> , 2015, 137, 38-42.	5.5	63
45	Sulfur-containing, triphenylamine-based red-emitting conjugated polymer assembly as turn-on optical probe for mercury(II) ion. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 600-606.	7.8	17
46	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
47	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
48	A simple and highly selective turn-on type fluorescence chemodosimeter for Hg <sup>2+</sup> based on 1-(2-phenyl-2H-[1,2,3]triazole-4-carbonyl)thiosemicarbazide. <i>Journal of Luminescence</i> , 2015, 157, 280-284.	3.1	26
49	TCNE-decorated triphenylamine-based conjugated polymer: Click synthesis and efficient turn-on fluorescent probing for Hg <sup>2+</sup> . <i>Dyes and Pigments</i> , 2014, 104, 1-7.	3.7	12
50	Aqueous nanodispersion of acetylene tethered, quinoxaline-containing conjugated polymer as fluorescence probe for Ag <sup>+</sup> . <i>New Journal of Chemistry</i> , 2014, 38, 4730-4735.	2.8	4
51	Thymine-covalently decorated, AIEE-type conjugated polymer as fluorescence turn-on probe for aqueous Hg <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 395-401.	7.8	24
52	Oxidation of aldehydes to carboxylic acids in water catalyzed by cobalt(II) Schiff-base complex anchored to SBA-15/MCM-41. <i>Russian Journal of General Chemistry</i> , 2014, 84, 782-788.	0.8	3
53	Friedel-Crafts Reaction of Indoles with N-Sulfonyl Imines Catalyzed by H <sub>3</sub> PO <sub>4</sub> . <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 898.	1.3	2
54	Carbazole-based conjugated polymer with tethered acetylene groups: Synthesis and characterization. <i>Dyes and Pigments</i> , 2013, 96, 138-147.	3.7	18

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55	Triphenylamine-based conjugated polymer/lâ” complex as turn-on optical probe for mercury(II) ion. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 782-788.	7.8	26
56	A type of novel fluorescent phosphinimine derivative: Catalyst-free simple synthesis and optical properties. <i>Dyes and Pigments</i> , 2013, 99, 822-828.	3.7	10
57	Carbazole-based conjugated polymer covalently coated Fe <sub>3</sub> O <sub>4</sub> nanoparticle as efficient and reversible Hg <sup>2+</sup> optical probe. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3636-3645.	2.3	14
58	Fluorene-based conjugated polymer with tethered thymines: click postpolymerization synthesis and optical response to mercury(II). <i>Journal of Applied Polymer Science</i> , 2013, 129, 1763-1772.	2.6	10
59	The effect of solvents and organic acids on the p-doping behaviors of poly(3,4-Ethylenedioxy-2,5-terthiophene). <i>Polymer Science - Series B</i> , 2012, 54, 413-419.	0.8	10
60	Enhancing the performance of a thieno[3-4-b]pyrazine based polymer solar cell by introducing ethynylene linkages. <i>European Polymer Journal</i> , 2012, 48, 2076-2084.	5.4	14
61	p-benzoquinone diimines and thiophene based alternating copolymers: organometallic catalyzed syntheses and elementary characterization. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	1
62	Pendant-decorated polytriphenylamine derivative: potential blue-emitting and hole-transporting material. <i>Polymer Bulletin</i> , 2010, 64, 53-65.	3.3	3
63	Triphenylamine and Fluorene Based Cationic Conjugated Polyelectrolytes: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 150-160.	2.2	6
64	Novel luminescent polymers containing backbone triphenylamine groups and pendant quinoxaline groups. <i>Dyes and Pigments</i> , 2009, 83, 102-110.	3.7	21
65	Anionic triphenylamine and fluorene-based conjugated polyelectrolyte as a hole-transporting material for polymer light-emitting diodes. <i>Polymer International</i> , 2009, 58, 373-379.	3.1	16
66	Novel poly(arylene ethynylene) derivatives containing main chain triphenylamine and pendent quinoxaline moieties: synthesis and elementary characterization. <i>Polymer International</i> , 2009, 58, 800-806.	3.1	12
67	SYNTHESIS AND APPLICATIONS OF SULFONATE-SUBSTITUTED,TRIPHENYLAMINE-BASED CONJUGATED POLYELECTROLYTES. <i>Acta Polymerica Sinica</i> , 2009, 009, 465-470.	0.0	1
68	NOVEL RED LIGHT-EMITTING POLYMERS BASED ON 2,7-CARBAZOLE AND THIOPHENE DERIVATIVES. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2008, 26, 231.	3.8	8
69	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. <i>Journal of Materials Chemistry</i> , 2006, 16, 4133.	6.7	95
70	Synthesis of novel triphenylamine-based conjugated polyelectrolytes and their application as hole-transport layers in polymeric light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2006, 16, 2387.	6.7	80
71	High-efficiency electroluminescent polymers with stable high work function metal Al and Au as cathode. <i>European Polymer Journal</i> , 2006, 42, 2320-2327.	5.4	10
72	Ultraviolet-emitting conjugated polymer poly(9,9-alkyl-3,6-silafluorene) with a wide band gap of 4.0 eV. <i>Chemical Communications</i> , 2005, , 4925.	4.1	92