

Xinjian Cheng

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

784
citations

15
h-index

25
g-index

59
ext. papers

935
ext. citations

4.3
avg, IF

4.35
L-index

#	Paper	IF	Citations
57	Fluorescent cellulose/testing paper for the sensitive and selective recognition of explosives 2,4,6-trinitrophenol and 2,4-dinitrophenylhydrazine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 424, 113632	4.7	2
56	Facile method to synthesize fluorescent chitosan hydrogels for selective detection and adsorption of Hg/Hg ²⁺ . <i>Carbohydrate Polymers</i> , 2022 , 288, 119417	10.3	2
55	Novel water soluble polymeric sensors for the sensitive and selective recognition of Fe ³⁺ /Fe ²⁺ in aqueous media. <i>European Polymer Journal</i> , 2021 , 162, 110891	5.2	0
54	Fluorescent chitosan-BODIPY macromolecular chemosensors for detection and removal of Hg and Fe ions. <i>International Journal of Biological Macromolecules</i> , 2021 , 198, 194-194	7.9	3
53	Cellulose-based fluorescent macromolecular sensors and their ability in 2, 4, 6-trinitrophenol detection. <i>Materials Today Chemistry</i> , 2021 , 22, 100615	6.2	0
52	BODIPY-based fluorescent polymeric probes for selective detection of Fe ³⁺ ions in aqueous solution. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	1
51	Fully-water-soluble BODIPY containing fluorescent polymers prepared by RAFT method for the detection of Fe ³⁺ ions. <i>European Polymer Journal</i> , 2021 , 150, 110428	5.2	4
50	Chitosan based macromolecular probes for the selective detection and removal of Fe ion. <i>International Journal of Biological Macromolecules</i> , 2021 , 186, 303-313	7.9	4
49	Fluorescent dialdehyde-BODIPY chitosan hydrogel and its highly sensing ability to Cu ion. <i>Carbohydrate Polymers</i> , 2021 , 273, 118590	10.3	4
48	Reaction-based fluorescent silk probes with high sensitivity and selectivity to Hg ²⁺ and Ag ⁺ ions. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4877-4887	7.1	6
47	Fluorescent macromolecular chemosensors for highly and selectively detecting of 2, 4, 6-trinitrophenol. <i>Materials Research Express</i> , 2020 , 7, 105304	1.7	4
46	Highly sensitive and selective fluorescent monomer/polymer probes for Hg and Ag recognition and imaging of Hg in living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 881-894	4.4	9
45	A polymer membrane tethered with a cycloruthenated complex for colorimetric detection of Hg ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117541	4.4	4
44	Highly selective ratiometric fluorescent probes for the detection of Fe and its application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117720	4.4	7
43	Phenothiazine-chitosan based eco-adsorbents: A special design for mercury removal and fast naked eye detection. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1839-1848	7.9	8
42	Reaction-based highly selective and sensitive monomer/polymer probes with Schiff base groups for the detection of Hg and Fe ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 243, 118763	4.4	14
41	A novel coumarin-chitosan fluorescent hydrogel for the selective identification of Fe ²⁺ in aqueous systems. <i>Polymer Chemistry</i> , 2020 , 11, 6066-6072	4.9	12

40	Highly sensitive and selective fluorescence chemosensors containing phenanthroline moieties for detection of Zn ²⁺ and Cd ²⁺ ions. <i>Chemical Papers</i> , 2020 , 74, 485-497	1.9	4
39	Fluorescent chitosan hydrogel for highly and selectively sensing of p-nitrophenol and 2, 4, 6-trinitrophenol. <i>Carbohydrate Polymers</i> , 2019 , 225, 115253	10.3	23
38	Fabrication of MWNT@CMPs and carbonized MWNT@CMPs for supercapacitors. <i>Materials Chemistry and Physics</i> , 2019 , 226, 309-317	4.4	9
37	Fluorescent Porous Silica Microspheres for Highly and Selectively Detecting Hg and Pb Ions and Imaging in Living Cells. <i>ACS Omega</i> , 2019 , 4, 18381-18391	3.9	5
36	Fabrication of conjugated polymer/carbon nano-tube composite materials for capacitors. <i>Materials Research Express</i> , 2019 , 6, 036302	1.7	2
35	Facile Fabrication of Porous ZnS and ZnO Films by Coaxial Electrospinning for Highly Efficient Photodegradation of Organic Dyes. <i>Photochemistry and Photobiology</i> , 2018 , 94, 17-26	3.6	18
34	Facile Preparation of Micro/Mesoporous Conjugated Polymers for Multifunctional Sensing and Separation Applications. <i>ChemistrySelect</i> , 2018 , 3, 4985-4993	1.8	1
33	Bodipy-based chemosensors for highly sensitive and selective detection of Hg ²⁺ ions. <i>New Journal of Chemistry</i> , 2018 , 42, 19224-19231	3.6	19
32	A facile method to prepare CdS/polymer nanocomposite fibers for the photodegradation of methylene blue under sunlight. <i>Journal of Polymer Engineering</i> , 2017 , 37, 107-112	1.4	1
31	Highly selective and sensitive polymers with fluorescent side groups for the detection of Hg ²⁺ ion. <i>Materials Chemistry and Physics</i> , 2017 , 196, 262-269	4.4	12
30	Novel Fluorescence Signal Magnified Chemosensors for Detection of Fe ³⁺ and Hg ²⁺ Ions. <i>ChemistrySelect</i> , 2016 , 1, 1981-1990	1.8	9
29	Fluorescent silica nanoparticles and glass surfaces for the detection and removal of Pd(II) ions. <i>Journal of Materials Science</i> , 2016 , 51, 8502-8515	4.3	4
28	Fluorescent PU films for detection and removal of Hg ²⁺ , Cr ³⁺ and Fe ³⁺ ions. <i>Materials and Design</i> , 2016 , 95, 133-140	8.1	10
27	Coaxial Electrospinning Method for the Preparation of TiO ₂ @CdS/PVA Composite Nanofiber Mat and Investigation on its Photodegradation Catalysis. <i>Photochemistry and Photobiology</i> , 2016 , 92, 515-22	3.6	11
26	Facile synthesis of porous organic polymers for the absorption of Pd(II) ions and organic dyes. <i>RSC Advances</i> , 2016 , 6, 79781-79791	3.7	4
25	A facile method to prepare UV light-triggered self-healing polyphosphazenes. <i>Journal of Materials Science</i> , 2015 , 50, 2239-2246	4.3	44
24	Fabrication of a photo-catalytic cell using polymer-based composite films and investigation of its performance in the degradation of methyl blue. <i>RSC Advances</i> , 2015 , 5, 25830-25839	3.7	5
23	Highly sensitive fluorescent polyamide for detection of Hg ²⁺ , Hg ⁺ , Fe ³⁺ , and Fe ²⁺ ions. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 615-621	2.5	11

22	Highly selective and reversible colorimetric detection of mercury ions by a hydrophilic cycloruthenated complex in water. <i>Sensors and Actuators B: Chemical</i> , 2014 , 201, 343-350	8.5	19
21	Synthesis of hybrid crosslinked polyphosphazenes and investigation of their properties. <i>Iranian Polymer Journal (English Edition)</i> , 2014 , 23, 689-698	2.3	5
20	A facile method to prepare composite and porous polyphosphazene membranes and investigation of their properties. <i>RSC Advances</i> , 2014 , 4, 35769-35776	3.7	6
19	A high-performance polyurethane sponge for the detection, adsorption and separation of Cu ²⁺ ions. <i>RSC Advances</i> , 2014 , 4, 18222-18228	3.7	6
18	Environment-friendly synthesis and performance of a novel hyperbranched epoxy resin with a silicone skeleton. <i>RSC Advances</i> , 2013 , 3, 3095	3.7	32
17	Preparation of highly sensitive sensors based on polystyrene microspheres for the detection and removal of Hg ²⁺ ions. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 4592-4600	2.5	8
16	The effect of molecular weight of hyperbranched epoxy resins with a silicone skeleton on performance. <i>RSC Advances</i> , 2013 , 3, 9522	3.7	36
15	A facile method for the preparation of thermally remendable cross-linked polyphosphazenes. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 1205-1214	2.5	15
14	Hybrid Self-Assembly, Crystal, and Fractal Behavior of a Carboxy-Ended Hyperbranched Polyester/Copper Complex. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 370-377	2.6	10
13	A highly sensitive Best paper!For Hg ²⁺ ions based on polyurethane membrane. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 1110-1112	3.2	2
12	A facile method to prepare monodispersed CdS/SiO ₂ composite microspheres and investigation on their photocatalytic properties. <i>Photochemistry and Photobiology</i> , 2012 , 88, 1433-41	3.6	8
11	A highly sensitive sensor based on hollow particles for the detection, adsorption and removal of Hg ²⁺ ions. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24102		51
10	Synthesis of allyl-ended hyperbranched organic silicone resin by halloysite-supported platinum catalyst. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 1580-1584	2.9	12
9	Synthesis of heterogeneous shape-controllable nano-hyperbranched polymer/Pt(0) catalyst with high catalytic activity in hydrosilylation. <i>Macromolecular Research</i> , 2012 , 20, 549-551	1.9	7
8	Facile method to prepare Pd/Polystyrene composite microspheres and investigation on their catalytic properties. <i>Iranian Polymer Journal (English Edition)</i> , 2012 , 21, 335-341	2.3	1
7	A facile method for the synthesis of ZnS/polystyrene composite particles and ZnS hollow micro-spheres. <i>Journal of Materials Science</i> , 2010 , 45, 777-782	4.3	27
6	A facile method to fabricate silica-coated carbon nanotubes and silica nanotubes from carbon nanotubes templates. <i>Journal of Materials Science</i> , 2009 , 44, 4539-4545	4.3	76
5	Novel all-cellulose eco-composites prepared in ionic liquids. <i>Cellulose</i> , 2009 , 16, 217-226	5.5	74

4	Immobilization of RAFT agents on silica nanoparticles utilizing an alternative functional group and subsequent surface-initiated RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 467-484	2.5	38
3	Facile method to prepare monodispersed Ag/polystyrene composite microspheres and their properties. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 4547-4554	2.5	38
2	A facile method to prepare CdS/polystyrene composite particles. <i>Journal of Colloid and Interface Science</i> , 2008 , 326, 121-8	9.3	33
1	Fluorescent multi-component polymer sensors for the sensitive and selective detection of Hg ²⁺ /Hg ⁺ ions via dual mode fluorescence and colorimetry. <i>New Journal of Chemistry</i> ,	3.6	2