

Xinjian Cheng

List of Publications by Year in descending order

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58
papers

1,086
citations

430874

18
h-index

454955

30
g-index

59
all docs

59
docs citations

59
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel all-cellulose ecocomposites prepared in ionic liquids. <i>Cellulose</i> , 2009, 16, 217-226.	4.9	80
2	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.	3.7	79
3	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.	6.7	54
4	A facile method to prepare UV light-triggered self-healing polyphosphazenes. <i>Journal of Materials Science</i> , 2015, 50, 2239-2246.	3.7	49
5	Facile method to prepare monodispersed Ag/polystyrene composite microspheres and their properties. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4547-4554.	2.3	41
6	The effect of molecular weight of hyperbranched epoxy resins with a silicone skeleton on performance. <i>RSC Advances</i> , 2013, 3, 9522.	3.6	41
7	Fluorescent chitosan hydrogel for highly and selectively sensing of p-nitrophenol and 2, 4, 6-trinitrophenol. <i>Carbohydrate Polymers</i> , 2019, 225, 115253.	10.2	41
8	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.	2.3	39
9	Environment-friendly synthesis and performance of a novel hyperbranched epoxy resin with a silicone skeleton. <i>RSC Advances</i> , 2013, 3, 3095.	3.6	38
10	A facile method to prepare CdS/polystyrene composite particles. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 121-128.	9.4	35
11	A novel coumarin-chitosan fluorescent hydrogel for the selective identification of Fe ²⁺ in aqueous systems. <i>Polymer Chemistry</i> , 2020, 11, 6066-6072.	3.9	32
12	Facile method to synthesize fluorescent chitosan hydrogels for selective detection and adsorption of Hg ²⁺ /Hg ⁺ . <i>Carbohydrate Polymers</i> , 2022, 288, 119417.	10.2	29
13	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.	3.7	28
14	Bodipy-based chemosensors for highly sensitive and selective detection of Hg ²⁺ ions. <i>New Journal of Chemistry</i> , 2018, 42, 19224-19231.	2.8	26
15	Reaction-based highly selective and sensitive monomer/polymer probes with Schiff base groups for the detection of Hg ²⁺ and Fe ³⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 243, 118763.	3.9	26
16	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.	2.5	22
17	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.	7.8	21
18	A facile method for the preparation of thermally remendable cross-linked polyphosphazenes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1205-1214.	2.3	20

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19	Fluorescent dialdehyde-BODIPY chitosan hydrogel and its highly sensing ability to Cu ²⁺ ion. Carbohydrate Polymers, 2021, 273, 118590.	10.2	20
20	Phenothiazine-chitosan based eco-adsorbents: A special design for mercury removal and fast naked eye detection. International Journal of Biological Macromolecules, 2020, 162, 1839-1848.	7.5	19
21	Imination of Microporous Chitosan Fibers—A Route to Biomaterials with “On Demand” Antimicrobial Activity and Biodegradation for Wound Dressings. Pharmaceutics, 2022, 14, 117.	4.5	19
22	Fluorescent chitosan-BODIPY macromolecular chemosensors for detection and removal of Hg ²⁺ and Fe ³⁺ ions. International Journal of Biological Macromolecules, 2022, 198, 194-203.	7.5	18
23	Highly selective and sensitive polymers with fluorescent side groups for the detection of Hg ²⁺ ion. Materials Chemistry and Physics, 2017, 196, 262-269.	4.0	16
24	Highly sensitive and selective fluorescent monomer/polymer probes for Hg ²⁺ and Ag ⁺ recognition and imaging of Hg ²⁺ in living cells. Analytical and Bioanalytical Chemistry, 2020, 412, 881-894.	3.7	16
25	Highly selective ratiometric fluorescent probes for the detection of Fe ³⁺ and its application in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117720.	3.9	15
26	Chitosan based macromolecular probes for the selective detection and removal of Fe ³⁺ ion. International Journal of Biological Macromolecules, 2021, 186, 303-313.	7.5	15
27	Reaction-based fluorescent silk probes with high sensitivity and selectivity to Hg ²⁺ and Ag ⁺ ions. Journal of Materials Chemistry C, 2021, 9, 4877-4887.	5.5	15
28	Synthesis of allyl-terminated hyperbranched organic silicone resin by halloysite-supported platinum catalyst. Journal of Applied Polymer Science, 2012, 126, 1580-1584.	2.6	13
29	Highly sensitive fluorescent polyamide for detection of Hg ²⁺ , Hg ⁺ , Fe ³⁺ , and Fe ²⁺ ions. Journal of Polymer Science Part A, 2015, 53, 615-621.	2.3	12
30	Coaxial Electrospinning Method for the Preparation of TiO ₂ @CdS/PVA Composite Nanofiber Mat and Investigation on its Photodegradation Catalysis. Photochemistry and Photobiology, 2016, 92, 515-522.	2.5	12
31	Fabrication of MWNT@CMPs and carbonized MWNT@CMPs for supercapacitors. Materials Chemistry and Physics, 2019, 226, 309-317.	4.0	12
32	Novel water soluble polymeric sensors for the sensitive and selective recognition of Fe ³⁺ /Fe ²⁺ in aqueous media. European Polymer Journal, 2022, 162, 110891.	5.4	12
33	Hybrid Self-Assembly, Crystal, and Fractal Behavior of a Carboxy-Terminated Hyperbranched Polyester/Copper Complex. Macromolecular Chemistry and Physics, 2013, 214, 370-377.	2.2	11
34	Fluorescent PU films for detection and removal of Hg ²⁺ , Cr ³⁺ and Fe ³⁺ ions. Materials and Design, 2016, 95, 133-140.	7.0	11
35	Fully-water-soluble BODIPY containing fluorescent polymers prepared by RAFT method for the detection of Fe ³⁺ ions. European Polymer Journal, 2021, 150, 110428.	5.4	11
36	Novel Fluorescence Signal Magnified Chemosensors for Detection of Fe ³⁺ and Hg ²⁺ Ions. ChemistrySelect, 2016, 1, 1981-1990.	1.5	10

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37	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.	3.9	10
38	Fluorescent Porous Silica Microspheres for Highly and Selectively Detecting Hg ²⁺ and Pb ²⁺ Ions and Imaging in Living Cells. <i>ACS Omega</i> , 2019, 4, 18381-18391.	3.5	9
39	A Facile method to Prepare Monodispersed CdS/SiO ₂ Composite Microspheres and Investigation on Their Photocatalytic Properties. <i>Photochemistry and Photobiology</i> , 2012, 88, 1433-1441.	2.5	8
40	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.	2.4	8
41	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.	2.3	8
42	A facile method to prepare composite and porous polyphosphazene membranes and investigation of their properties. <i>RSC Advances</i> , 2014, 4, 35769-35776.	3.6	8
43	A high-performance polyurethane sponge for the detection, adsorption and separation of Cu ²⁺ ions. <i>RSC Advances</i> , 2014, 4, 18222-18228.	3.6	8
44	Fluorescent macromolecular chemosensors for highly and selectively detecting of 2, 4, 6-trinitrophenol. <i>Materials Research Express</i> , 2020, 7, 105304.	1.6	8
45	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.	2.2	7
46	Fluorescent multi-component polymer sensors for the sensitive and selective detection of Hg ²⁺ /Hg ⁺ ions <i>via</i> dual mode fluorescence and colorimetry. <i>New Journal of Chemistry</i> , 2021, 45, 22888-22901.	2.8	7
47	Synthesis of hybrid crosslinked polyphosphazenes and investigation of their properties. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 689-698.	2.4	6
48	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.	3.6	6
49	Facile synthesis of porous organic polymers for the absorption of Pd(ⁱⁱ) ions and organic dyes. <i>RSC Advances</i> , 2016, 6, 79781-79791.	3.6	6
50	BODIPY-based fluorescent polymeric probes for selective detection of Fe ³⁺ ions in aqueous solution. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	6
51	A polymer membrane tethered with a cycloruthenated complex for colorimetric detection of Hg ²⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117541.	3.9	5
52	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.	3.7	4
53	Cellulose-based fluorescent macromolecular sensors and their ability in 2, 4, 6-trinitrophenol detection. <i>Materials Today Chemistry</i> , 2021, 22, 100615.	3.5	4
54	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.	2.4	2

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55	A highly sensitive "test paper" for Hg ²⁺ ions based on polyurethane membrane. Polymers for Advanced Technologies, 2013, 24, 1110-1112.	3.2	2
56	A facile method to prepare CdS/polymer nanocomposite fibers for the photodegradation of methylene blue under sunlight. Journal of Polymer Engineering, 2017, 37, 107-112.	1.4	2
57	Facile Preparation of Micro/Mesoporous Conjugated Polymers for Multifunctional Sensing and Separation Applications. ChemistrySelect, 2018, 3, 4985-4993.	1.5	2
58	Fabrication of conjugated polymer/carbon nano-tube composite materials for capacitors. Materials Research Express, 2019, 6, 036302.	1.6	2