# Hou Chen

List of Publications by Year
in descending order

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|---|---|---|---|
| 175 papers | 4,157 citations | 126708 33 h-index | 161609 54 g-index |
| 176 all docs | 176 docs citations | 176 times ranked | 3596 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis of Schiff base functionalized superparamagnetic Fe3O4 composites for effective removal of Pb(II) and Cd(II) from aqueous solution. Chemical Engineering Journal, 2018, 347, 574-584. | 6.6 | 215 |
| 2 | Synthesis of silica gel supported salicylaldehyde modified PAMAM dendrimers for the effective removal of Hg(II) from aqueous solution. Journal of Hazardous Materials, 2014, 278, 267-278. | 6.5 | 193 |
| 3 | Adsorption of Pb(II) from aqueous solution by silica-gel supported hyperbranched polyamidoamine dendrimers. Journal of Hazardous Materials, 2013, 244-245, 276-286. | 6.5 | 169 |
| 4 | Adsorption for metal ions of chitosan coated cotton fiber. Journal of Applied Polymer Science, 2008, 110, 2321-2327. | 1.3 | 109 |
| 5 | Synthesis of porous acrylonitrile/methyl acrylate copolymer beads by suspended emulsion polymerization and their adsorption properties after amidoximation. Journal of Hazardous Materials, 2010, 175, 1014-1021. | 6.5 | 104 |
| 6 | Ionic self-assembly of poly(ionic liquid)-polyoxometalate hybrids for selective adsorption of anionic dyes. Chemical Engineering Journal, 2019, 358, 850-859. | 6.6 | 103 |
| 7 | Adsorption of Hg(II) and Ag(I) from fuel ethanol by silica gel supported sulfur-containing PAMAM dendrimers: Kinetics, equilibrium and thermodynamics. Fuel, 2017, 206, 80-88. | 3.4 | 98 |
| 8 | Synthesis of polyacrylonitrile-grafted cross-linked N-chlorosulfonamidated polystyrene via surface-initiated ARGET ATRP, and use of the resin in mercury removal after modification. Journal of Hazardous Materials, 2011, 186, 614-621. | 6.5 | 95 |
| 9 | Removal and recovery of Hg(II) from aqueous solution using chitosan-coated cotton fibers. Journal of Hazardous Materials, 2009, 167, 717-727. | 6.5 | 86 |
| 10 | Feasible One-Pot Sequential Synthesis of Aminopyridine Functionalized Magnetic Fe<sub>3</sub>O<sub>4</sub> Hybrids for Robust Capture of Aqueous Hg(II) and Ag(I). ACS Sustainable Chemistry and Engineering, 2019, 7, 7324-7337. | 3.2 | 79 |
| 11 | Preparation of silica gel supported amidoxime adsorbents for selective adsorption of Hg(II) from aqueous solution. Chemical Engineering Journal, 2012, 209, 235-244. | 6.6 | 75 |
| 12 | Self-healing, sensitive and antifreezing biomass nanocomposite hydrogels based on hydroxypropyl guar gum and application in flexible sensors. International Journal of Biological Macromolecules, 2020, 155, 1569-1577. | 3.6 | 60 |
| 13 | Efficient aerobic oxidative desulfurization over Coâ€“Moâ€“O bimetallic oxide catalysts. Catalysis Science and Technology, 2019, 9, 2915-2922. | 2.1 | 59 |
| 14 | Comparison of synthesis of chelating resin silica-gel-supported diethylenetriamine and its removal properties for transition metal ions. Journal of Hazardous Materials, 2009, 163, 127-135. | 6.5 | 58 |
| 15 | Mercury adsorption by sulfur- and amidoxime-containing bifunctional silica gel based hybrid materials. Chemical Engineering Journal, 2013, 219, 51-61. | 6.6 | 58 |
| 16 | Cellulose nanocrystal shelled with poly(ionic liquid)/polyoxometalate hybrid as efficient catalyst for aerobic oxidative desulfurization. Journal of Colloid and Interface Science, 2019, 554, 572-579. | 5.0 | 58 |
| 17 | Fabrication of Microcapsules by the Combination of Biomass Porous Carbon and Polydopamine for Dual Self-Healing Hydrogels. Journal of Agricultural and Food Chemistry, 2019, 67, 1061-1071. | 2.4 | 58 |
| 18 | Fabrication of Janus graphene oxide hybrid nanosheets by Pickering emulsion template for self-healing nanocomposite hydrogels. Chemical Engineering Journal, 2020, 385, 123962. | 6.6 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Eco-friendly extraction of cellulose nanocrystals from grape pomace and construction of self-healing nanocomposite hydrogels. Cellulose, 2020, 27, 2541-2553. | 2.4 | 54 |
| 20 | Fabrication of dual network self-healing alginate/guar gum hydrogels based on polydopamine-type microcapsules from mesoporous silica nanoparticles. International Journal of Biological Macromolecules, 2019, 129, 916-926. | 3.6 | 53 |
| 21 | A Lowâ€Cost 3D Spherical Evaporator with Unique Surface Topology and Inner Structure for Solar Water Evaporationâ€Assisted Dye Wastewater Treatment. Advanced Sustainable Systems, 2021, 5, 2000245. | 2.7 | 48 |
| 22 | Rapid removal of anionic dye from water by poly(ionic liquid)-modified magnetic nanoparticles. Journal of Molecular Liquids, 2019, 284, 383-392. | 2.3 | 47 |
| 23 | Preparation of Coâ€“Moâ€“O ultrathin nanosheets with outstanding catalytic performance in aerobic oxidative desulfurization. Chemical Communications, 2019, 55, 13995-13998. | 2.2 | 47 |
| 24 | Synthesis of high oilâ€absorption resins of poly(methyl methacrylateâ€butyl methacrylate) by suspended emulsion polymerization. Polymers for Advanced Technologies, 2011, 22, 1898-1904. | 1.6 | 45 |
| 25 | Preparation and adsorption properties of chelating resins containing 3-aminopyridine and hydrophilic spacer arm for Hg(II). Chemical Engineering Journal, 2010, 165, 573-580. | 6.6 | 44 |
| 26 | Self-healing nanocomposite hydrogels based on modified cellulose nanocrystals by surface-initiated photoinduced electron transfer ATRP. Cellulose, 2019, 26, 5305-5319. | 2.4 | 43 |
| 27 | Reverse ATRP of ethyl acrylate with ionic liquids as reaction medium. Chemical Engineering Journal, 2009, 147, 297-301. | 6.6 | 42 |
| 28 | ARGET ATRP of acrylonitrile catalyzed by FeCl<sub>3</sub>/isophthalic acid in the presence of air. Journal of Polymer Science Part A, 2009, 47, 3202-3207. | 2.5 | 41 |
| 29 | One-step synthesis of mixed valence FeOX nanoparticles supported on biomass activated carbon for degradation of bisphenol A by activating peroxydisulfate. Journal of Hazardous Materials, 2021, 409, 124990. | 6.5 | 40 |
| 30 | Improved synthesis of silica-gel-based dendrimer-like highly branched polymer as the Au(III) adsorbents. Chemical Engineering Journal, 2015, 270, 110-121. | 6.6 | 39 |
| 31 | Surface-Initiated Metal-Free Photoinduced ATRP of 4-Vinylpyridine from SiO<sub>2</sub> via Visible Light Photocatalysis for Self-Healing Hydrogels. Industrial & Engineering Chemistry Research, 2018, 57, 17417-17429. | 1.8 | 39 |
| 32 | Self-healing and toughness cellulose nanocrystals nanocomposite hydrogels for strain-sensitive wearable flexible sensor. International Journal of Biological Macromolecules, 2021, 179, 324-332. | 3.6 | 38 |
| 33 | Fabrication of self-healing hydrogels with surface functionalized microcapsules from stellate mesoporous silica. Polymer Chemistry, 2019, 10, 503-511. | 1.9 | 35 |
| 34 | Adsorption behavior of PAMAM dendrimers functionalized silica for Cd(II) from aqueous solution: Experimental and theoretical calculation. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 80-91. | 2.7 | 34 |
| 35 | Synthesis of polyacrylonitrile by singleâ€electron transferâ€living radical polymerization using Fe(0) as catalyst and its adsorption properties after modification. Journal of Polymer Science Part A, 2011, 49, 2916-2923. | 2.5 | 32 |
| 36 | Thiol-functionalized polysilsesquioxane as efficient adsorbent for adsorption of Hg(II) and Mn(II) from aqueous solution. Materials Research Bulletin, 2014, 52, 134-142. | 2.7 | 32 |

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|---|---|---|---|
| 37 | A green Pickering emulsion stabilized by cellulose nanocrystals via RAFT polymerization. Cellulose, 2018, 25, 77-85. | 2.4 | 31 |
| 38 | Adsorption of Hg(II) from an Aqueous Solution by Silica-Gel Supported Diethylenetriamine Prepared via Different Routes: Kinetics, Thermodynamics, and Isotherms. Journal of Chemical & Engineering Data, 2010, 55, 1496-1504. | 1.0 | 30 |
| 39 | Surface Engineering of Porous Carbon for Self-Healing Nanocomposite Hydrogels by Mussel-Inspired Chemistry and PET-ATRP. ACS Applied Materials & Interfaces, 2019, 11, 38126-38135. | 4.0 | 30 |
| 40 | Removal of Cd(II) and Fe(III) from DMSO by silica gel supported PAMAM dendrimers: Equilibrium, thermodynamics, kinetics and mechanism. Ecotoxicology and Environmental Safety, 2018, 162, 253-260. | 2.9 | 29 |
| 41 | A multiple signal amplification based on PEI and rGO nanocomposite for simultaneous multiple electrochemical immunoassay. Sensors and Actuators B: Chemical, 2019, 301, 127071. | 4.0 | 29 |
| 42 | Morphology-Controlled Construction and Aerobic Oxidative Desulfurization of Hierarchical Hollow Coâ€“Niâ€“Moâ€“O Mixed Metal-Oxide Nanotubes. Industrial & Engineering Chemistry Research, 2020, 59, 6488-6496. | 1.8 | 29 |
| 43 | Synthesis of silica supported thiosemicarbazide for Cu(II) and Zn(II) adsorption from ethanol: A comparison with aqueous solution. Fuel, 2021, 286, 119287. | 3.4 | 29 |
| 44 | Preparation of Wheat Straw Matrix-g-Polyacrylonitrile-Based Adsorbent by SET-LRP and Its Applications for Heavy Metal Ion Removal. ACS Sustainable Chemistry and Engineering, 2014, 2, 1843-1848. | 3.2 | 28 |
| 45 | Label-free detection of Hg2+ based on Hg2+-triggered toehold binding, Exonuclease III assisted target recycling and hybridization chain reaction. Sensors and Actuators B: Chemical, 2017, 248, 411-418. | 4.0 | 28 |
| 46 | Co-Fe-Mo mixed metal oxides derived from layered double hydroxides for deep aerobic oxidative desulfurization. Fuel, 2021, 306, 121751. | 3.4 | 28 |
| 47 | Preparation and Characterization of Thiourea-Containing Silica Gel Hybrid Materials for Hg(II) Adsorption. Industrial & Engineering Chemistry Research, 2015, 54, 1656-1664. | 1.8 | 26 |
| 48 | Sensitive and simultaneous detection of tumor markers assisted by novel functional polymer brush/Au nanoparticles composite. Sensors and Actuators B: Chemical, 2018, 258, 998-1007. | 4.0 | 26 |
| 49 | Adsorption property and mechanism of PAMAM dendrimer/silica gel hybrids for Fe(III) and Ag(I) from N,Nâ€dimethylformamide. Journal of Molecular Liquids, 2019, 273, 305-313. | 2.3 | 26 |
| 50 | Fabrication of novel electrochemical immunosensor by mussel-inspired chemistry and surface-initiated PET-ATRP for the simultaneous detection of CEA and AFP. Reactive and Functional Polymers, 2020, 154, 104632. | 2.0 | 26 |
| 51 | Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. Talanta, 2021, 226, 122133. | 2.9 | 26 |
| 52 | Chemical modification of waste poly(p-phenylene terephthalamide) fibers and its binding behaviors to metal ions. Chemical Engineering Journal, 2012, 181-182, 458-466. | 6.6 | 25 |
| 53 | Sweet Potato Starch Residue as Starting Material To Prepare Polyacrylonitrile Adsorbent via SI-SET-LRP. Journal of Agricultural and Food Chemistry, 2014, 62, 1765-1770. | 2.4 | 24 |
| 54 | Defectâ€Induced Selfâ€Cleaning Solar Absorber with Fullâ€Spectrum Light Absorption for Efficient Dye Wastewater Purification. Solar Rrl, 2021, 5, 2100105. | 3.1 | 23 |

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|---|---|---|---|
| 55 | AGET ATRP of acrylonitrile using 1,1,4,7,10,10â€hexamethyltriethylenetetramine as both ligand and reducing agent. Journal of Polymer Science Part A, 2010, 48, 128-133. | 2.5 | 21 |
| 56 | Pickering emulsion of metal-free photoinduced electron transfer-ATRP stabilized by cellulose nanocrystals. Cellulose, 2019, 26, 5947-5957. | 2.4 | 21 |
| 57 | Removal of Cr(III) from aqueous solution by silica-gel/PAMAM dendrimer hybrid materials. Environmental Science and Pollution Research, 2019, 26, 18098-18112. | 2.7 | 21 |
| 58 | Immobilization of monodisperse metal-oxo-cluster on graphene for aerobic oxidative desulfurization of fuel. Chemical Engineering Research and Design, 2020, 140, 26-33. | 2.7 | 21 |
| 59 | Continuous SETâ€LRP of acrylonitrile in iron tube without any ligand. Journal of Polymer Science Part A, 2011, 49, 4721-4724. | 2.5 | 20 |
| 60 | SETâ€LRP of acrylonitrile in ionic liquids without any ligand. Journal of Polymer Science Part A, 2012, 50, 609-613. | 2.5 | 20 |
| 61 | Celluloseâ€based macroinitiator for crosslinked poly(butyl methacrylateâ€coâ€pentaerythritol) Tj ETQq1 1 0.784314 rgBT /Ov | 2.5 | 19 |
| 62 | Triphenylphosphine as reducing agent for copper(II)-catalyzed AGET ATRP. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1260-1270. | 2.0 | 19 |
| 63 | PMDETA as an efficient catalyst for bulk reversible complexation mediated polymerization (RCMP) in the absence of additional metal salts and deoxygenation. RSC Advances, 2016, 6, 97455-97462. | 1.7 | 19 |
| 64 | Cellulose Nanocrystals Extracted from Grape Pomace with Deep Eutectic Solvents and Application for Selfâ€Healing Nanocomposite Hydrogels. Macromolecular Materials and Engineering, 2020, 305, 1900673. | 1.7 | 19 |
| 65 | Engineering the Electronic Structure of Mo Sites in Mnâ€“Moâ€“O Mixed-Metal Oxides for Efficient Aerobic Oxidative Desulfurization. Energy & Fuels, 2021, 35, 12310-12318. | 2.5 | 19 |
| 66 | A novel and convenient preparation of antibacterial polyacrylonitrile nanofibers via post-modification using nitrile click chemistry and electrospinning. Chemical Papers, 2018, 72, 191-200. | 1.0 | 18 |
| 67 | Preparation of a novel sandwich-type electrochemical immunosensor for AFP detection based on an ATRP and click chemistry technique. Polymer Chemistry, 2020, 11, 900-908. | 1.9 | 18 |
| 68 | Stretchable, rapid self-healing guar gum-poly(acrylic acid) hydrogels as wearable strain sensors for human motion detection based on Janus graphene oxide. International Journal of Biological Macromolecules, 2021, 191, 627-636. | 3.6 | 18 |
| 69 | Synthesis of monodisperse crosslinked polystyrene microspheres via dispersion copolymerization with the crosslinkerâ€postaddition method. Journal of Applied Polymer Science, 2008, 107, 3909-3916. | 1.3 | 17 |
| 70 | ARGET ATRP of acrylonitrile with ionic liquid as reaction media and 1,1,4,7,7â€pentamethyldiethylenetriamine as both ligand and reducing agent in the presence of air. Polymers for Advanced Technologies, 2011, 22, 1513-1517. | 1.6 | 17 |
| 71 | Samarium powder as catalyst for SETâ€LRP of acrylonitrile in 1,1,1,3,3,3â€hexafluoroâ€2â€propanol for control of molecular weight and tacticity. Journal of Polymer Science Part A, 2011, 49, 2924-2930. | 2.5 | 17 |
| 72 | Self-healing and tough GO-supported hydrogels preparedviasurface-initiated ATRP and photocatalytic modification. New Journal of Chemistry, 2019, 43, 3099-3110. | 1.4 | 17 |

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|---|---|---|---|
| 73 | ARGET ATRP of acrylonitrile with ionic liquid as reaction medium and FeBr<sub>3</sub>/isophthalic acid as catalyst system. Journal of Applied Polymer Science, 2011, 122, 3298-3302. | 1.3 | 16 |
| 74 | Preparation of Polyacrylonitrile Initiated by Modified Corn Starch and Adsorption for Mercury after Modification. Industrial & Engineering Chemistry Research, 2014, 53, 4871-4877. | 1.8 | 16 |
| 75 | Synthesis of Polyvinyltetrazole Resin by Combination of RAFT Polymerization and Click Chemistry for Adsorption of Hg(II). Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 707-712. | 1.2 | 16 |
| 76 | Surface-initiated PET-ATRP and mussel-inspired chemistry for surface engineering of MWCNTs and application in self-healing nanocomposite hydrogels. Materials Science and Engineering C, 2020, 109, 110553. | 3.8 | 16 |
| 77 | Nanocomposite Hybrid Biomass Hydrogels as Flexible Strain Sensors with Self-Healing Ability in Harsh Environments. ACS Applied Polymer Materials, 2022, 4, 1626-1635. | 2.0 | 16 |
| 78 | Atom transfer radical polymerization using activators regenerated by electron transfer of acrylonitrile in 1â€(1â€ethoxycarbonylethyl)â€3â€methylimidazolium hexafluorophospate. Journal of Polymer Science Part A, 2011, 49, 1046-1049. | 2.5 | 15 |
| 79 | Cu powderâ€catalyzed single electron transferâ€living radical polymerization of acrylonitrile. Journal of Polymer Science Part A, 2011, 49, 2588-2593. | 2.5 | 15 |
| 80 | Production of Biodiesel by Esterification of Stearic Acid over Aminophosphonic Acid Resin D418. Industrial & Engineering Chemistry Research, 2012, 51, 5402-5407. | 1.8 | 14 |
| 81 | Synthesis of novel high oilâ€absorption resins of poly(methyl methacrylateâ€“butyl methacrylate) by surfaceâ€initiated atom transfer radical polymerization using activators regenerated by electron transfer for efficient removal of oil. Polymer International, 2012, 61, 1786-1791. | 1.6 | 14 |
| 82 | Synthesis of PGMA/AuNPs amplification platform for the facile detection of tumor markers. Materials Chemistry and Physics, 2016, 183, 534-541. | 2.0 | 14 |
| 83 | Electrochemical immunosensor detection of tumor markers based on a GO composite nanoprobe for signal amplification. Analytical Methods, 2018, 10, 526-532. | 1.3 | 14 |
| 84 | RAFT-mediated Pickering emulsion polymerization with cellulose nanocrystals grafted with random copolymer as stabilizer. RSC Advances, 2018, 8, 28660-28667. | 1.7 | 14 |
| 85 | One-pot synthesis of multi-functional and environmental friendly tannic acid polymer with Fe3+ and formaldehyde as double crosslinking agents for selective removal of cation pollutants. Environmental Science and Pollution Research, 2019, 26, 31834-31845. | 2.7 | 14 |
| 86 | Surface-initiated photoinduced electron transfer ATRP and mussel-inspired chemistry: Surface engineering of graphene oxide for self-healing hydrogels. Reactive and Functional Polymers, 2020, 150, 104547. | 2.0 | 14 |
| 87 | Steam generation by LaB<sub>6</sub> nanoparticles through photothermal energy conversion. Journal of the American Ceramic Society, 2020, 103, 3466-3472. | 1.9 | 14 |
| 88 | Application of novel ionic liquids for reverse atom transfer radical polymerization of methacrylonitrile without any additional ligand. Journal of Materials Research, 2009, 24, 1880-1885. | 1.2 | 13 |
| 89 | Synthesis of poly(methyl methacrylate) via reverse atom transfer radical polymerization catalyzed by FeCl<sub>3</sub>/lactic acid. Journal of Applied Polymer Science, 2009, 114, 1593-1597. | 1.3 | 13 |
| 90 | Synthesis of polyacrylonitrile via ARGET ATRP using CCl<sub>4</sub> as initiator. Journal of Applied Polymer Science, 2010, 118, 3673-3677. | 1.3 | 13 |

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|---|---|---|---|
| 91 | FeCl3/Acetic Acid-mediated Reverse Atom Transfer Radical Polymerization of Acrylonitrile. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1075-1079. | 1.2 | 13 |
| 92 | Synthesis of Hexadecyl Methacrylate/Methyl Methacrylate Copolymer by High Internal Phase Emulsion Template and its High Oil-Absorbing Properties. Separation Science and Technology, 2013, 48, 2338-2344. | 1.3 | 13 |
| 93 | Preparation and coordination with Hg(II) of sulfur- and 2-amino-pyridine-containing chelating resin. Polymer Engineering and Science, 2007, 47, 721-727. | 1.5 | 12 |
| 94 | Atom transfer radical polymerization with activators regenerated by electron transfer of acrylonitrile from silica nanoparticles, and adsorption properties of the resin for Hg<sup>2+</sup> after amidoximation with hydroxylamine. Polymers for Advanced Technologies, 2011, 22, 2626-2632. | 1.6 | 12 |
| 95 | Poly(methyl methacrylateâ€coâ€pentaerythritol tetraacrylateâ€coâ€butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Science Part A, 2013, 51, 1963-1968. | 2.5 | 12 |
| 96 | Synthesis and Properties of High Oil-Absorbing Resins with Long Chain by High Internal Phase Emulsions as Template. Separation Science and Technology, 2014, 49, 2518-2524. | 1.3 | 12 |
| 97 | Preparation of corn stalk-based adsorbents and their specific application in metal ions adsorption. Chemical Papers, 2016, 70, . | 1.0 | 12 |
| 98 | Visible lightâ€induced metalâ€free atom transfer radical polymerization: An efficient approach to polyacrylonitrile. Journal of Polymer Science Part A, 2019, 57, 1265-1269. | 2.5 | 12 |
| 99 | Synthesis of crosslinked polyacrylonitrile via atom transfer radical polymerization with activators regenerated by electron transfer and use of the resin in mercury removal after modification. Journal of Applied Polymer Science, 2012, 124, 2179-2186. | 1.3 | 11 |
| 100 | Nanoplates of cobalt phosphonate with two-dimensional structure and its competitive adsorption of Pb(II) and Hg(II) ions from aqueous solutions. Journal of Industrial and Engineering Chemistry, 2014, 20, 2568-2573. | 2.9 | 11 |
| 101 | Facile iron(<scp>iii</scp>)-mediated ATRP of MMA with phosphorus-containing ligands in the absence of any additional initiators. RSC Advances, 2015, 5, 62577-62584. | 1.7 | 11 |
| 102 | Synthesis of polyacrylonitrile by reversible-deactivation radical polymerization and its application as electrode materials for electrochemical double layer capacitors. RSC Advances, 2015, 5, 37780-37788. | 1.7 | 11 |
| 103 | A label-free immunosensor based on PHEMA/graphene oxide nanocomposite for simultaneous electrochemical determination of alpha fetoprotein. RSC Advances, 2019, 9, 17187-17193. | 1.7 | 11 |
| 104 | Adsorption of Silver(I) from Aqueous Solution by Chelating Resins with 3-Aminopyridine and Hydrophilic Spacer Arms: Equilibrium, Kinetic, Thermodynamic, and Mechanism Studies. Journal of Chemical & Engineering Data, 2011, 56, 1001-1008. | 1.0 | 10 |
| 105 | Adsorption properties of amidoximated porous acrylonitrile/methyl acrylate copolymer beads for Ag (I). Polymers for Advanced Technologies, 2011, 22, 2032-2038. | 1.6 | 10 |
| 106 | Synthesis of crosslinked poly(butyl methacrylateâ€coâ€pentaerythritol triacrylate) gel by single electron transferâ€living radical polymerization and its oilâ€absorbing properties. Journal of Polymer Science Part A, 2012, 50, 4871-4878. | 2.5 | 10 |
| 107 | Preparation of polyacrylonitrile via SET-LRP catalyzed by lanthanum powder in the presence of VC. Journal of Polymer Science Part A, 2013, 51, 4088-4094. | 2.5 | 10 |
| 108 | Combined experimental and DFT study on the adsorption of Co(II) and Zn(II) from fuel ethanol by Schiff base decorated magnetic Fe3O4 composites. Microchemical Journal, 2019, 151, 104220. | 2.3 | 10 |

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|---|---|---|---|
| 109 | Self-healing nanocomposite hydrogels via Janus nanosheets: Multiple effects of metalâ€“coordination and hostâ€“guest interactions. Reactive and Functional Polymers, 2021, 165, 104963. | 2.0 | 10 |
| 110 | Oxygen Vacancy Engineering of Molybdenum Oxide Nanobelts by Fe Ion Intercalation for Aerobic Oxidative Desulfurization. ACS Applied Nano Materials, 2021, 4, 13379-13387. | 2.4 | 10 |
| 111 | Facile hydrothermal route to the controlled synthesis of Î±-Fe2O3 1-D nanostructures. Bulletin of Materials Science, 2008, 31, 919-923. | 0.8 | 9 |
| 112 | Single electron transferâ€living radical polymerization of methyl methacrylate catalyzed by ytterbium powder. Journal of Polymer Science Part A, 2011, 49, 5109-5115. | 2.5 | 9 |
| 113 | Facile one-pot synthesis and self-healing properties of tetrazole-based metallopolymers in the presence of iron salts. RSC Advances, 2017, 7, 47316-47323. | 1.7 | 9 |
| 114 | Synthesis and electrospinning of well-defined polymer brushes by modification of polyacrylonitrile. Journal of Polymer Research, 2018, 25, 1. | 1.2 | 9 |
| 115 | Facile fabrication of a controlled polymer brush-type functional nanoprobe for highly sensitive determination of alpha fetoprotein. Analytical Methods, 2020, 12, 4438-4446. | 1.3 | 9 |
| 116 | Fabrication of self-healing nanocomposite hydrogels with the cellulose nanocrystals-based Janus hybrid nanomaterials. International Journal of Biological Macromolecules, 2021, 184, 259-270. | 3.6 | 9 |
| 117 | Wearable Flexible Sensors for Human Motion Detection with Self-Healing, Tough Guar Gum-Hydrogels of GO-P4VPBA/PDA Janus Nanosheets. ACS Applied Polymer Materials, 2022, 4, 3394-3407. | 2.0 | 9 |
| 118 | Synthesis, characterization, and properties for Hg<sup>2+</sup> of new chelating resin containing sulfoxide and 3â€aminopyridine. Journal of Applied Polymer Science, 2008, 108, 2144-2149. | 1.3 | 8 |
| 119 | Reverse ATRP Process of Methacrylonitrile in [C4mim][PF6]. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 759-764. | 1.2 | 8 |
| 120 | Precipitation polymerization in acetonitrile and 1â€propanol mixture: synthesis of monodisperse poly(styreneâ€coâ€divinylbenzene) microspheres with clean and smooth surface. Polymers for Advanced Technologies, 2011, 22, 2096-2103. | 1.6 | 8 |
| 121 | Synthesis of monodisperse crosslinked poly(styreneâ€coâ€divinylbenzene) microspheres by precipitation polymerization in acetic acid. Journal of Applied Polymer Science, 2012, 124, 3799-3806. | 1.3 | 8 |
| 122 | Preparation of High Oil Absorption Resins by Suspended Emulsion Polymerization and Their Properties. Separation Science and Technology, 2013, 48, 1977-1981. | 1.3 | 8 |
| 123 | Synthesis of peanut shell/polyacrylonitrile copolymer via Cu(0)-mediated RDRP and its adsorption behavior after modification. Polymer Bulletin, 2015, 72, 2455-2469. | 1.7 | 8 |
| 124 | Silica-based Janus nanosheets for self-healing nanocomposite hydrogels. European Polymer Journal, 2021, 155, 110580. | 2.6 | 8 |
| 125 | Porous acrylonitrile/itaconic acid copolymers prepared by suspended emulsion polymerization. Journal of Applied Polymer Science, 2009, 111, 2761-2768. | 1.3 | 7 |
| 126 | Highly crosslinked poly(styreneâ€coâ€divinylbenzene) microspheres prepared by precipitation polymerization: Effects of the polymerization parameters on the characteristics of the particles. Journal of Applied Polymer Science, 2009, 111, 3144-3149. | 1.3 | 7 |

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|---|---|---|---|
| 127 | Preparation of monodisperse poly(Stâ€coâ€PETEA) microspheres by precipitation polymerization using ethanol as solvent. Polymers for Advanced Technologies, 2011, 22, 1555-1562. | 1.6 | 7 |
| 128 | SETâ€LRP of acrylonitrile catalyzed by tin powder. Journal of Polymer Science Part A, 2012, 50, 4995-4999. | 2.5 | 7 |
| 129 | Synthesis of polyacrylonitrile using AGET-ATRP in emulsion. Materials Science and Engineering C, 2013, 33, 570-574. | 3.8 | 7 |
| 130 | Reversible chain transfer catalyzed polymerization (RTCP) in nitrogen-based solvents without additional catalysts. RSC Advances, 2015, 5, 34769-34776. | 1.7 | 7 |
| 131 | Cobalt(<scp>iii</scp>) acetylacetonate initiated RAFT polymerization of acrylonitrile and its application in removal of methyl orange after electrospinning. RSC Advances, 2015, 5, 58393-58402. | 1.7 | 7 |
| 132 | Exonuclease III assisted and label-free detection of mercury ion based on toehold strand displacement amplification strategy. Analytical Methods, 2016, 8, 7054-7060. | 1.3 | 7 |
| 133 | Microwaveâ€assisted rapid fabrication of antibacterial polyacrylonitrile microfibers/nanofibers via nitrile click chemistry and electrospinning. Journal of Applied Polymer Science, 2017, 134, 45490. | 1.3 | 7 |
| 134 | Fabrication of nanoprobe via AGET ATRP and photocatalytic modification for highly sensitive detection of Hg(II). Reactive and Functional Polymers, 2019, 138, 70-78. | 2.0 | 7 |
| 135 | Suspended Emulsion Copolymerization of Acrylonitrile with Methyl Acrylate: Effects of Reaction Parameters on the Polymerization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 656-662. | 1.2 | 6 |
| 136 | Reverse Atom Transfer Radical Polymerization of Acrylonitrile Catalyzed by FeCl<sub>3</sub>/Lactic Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 804-808. | 1.2 | 6 |
| 137 | Use of Gd powder as catalyst for single electron transferâ€living radical polymerization: Applications for synthesis of high molecular weight polymethyl methacrylate. Journal of Polymer Science Part A, 2012, 50, 4809-4813. | 2.5 | 6 |
| 138 | Singleâ€electron transferâ€living radical copolymerization of butyl methacrylate and divinylbenzene for preparation of oilâ€absorbing gel. Journal of Polymer Science Part A, 2013, 51, 3233-3239. | 2.5 | 6 |
| 139 | Single electron transfer-living radical polymerization of acrylonitrile catalyzed by lanthanum powder. Journal of Polymer Science Part A, 2013, 51, 3323-3327. | 2.5 | 6 |
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