# Yang Zhou

List of Publications by Year
in descending order

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|---|---|---|---|
| 68 papers | 1,942 citations | 257101 24 h-index | 264894 42 g-index |
| 69 all docs | 69 docs citations | 69 times ranked | 2718 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Loading CuFe2O4 onto ceramic fabric for photocatalytic degradation of methylene blue under visible light irradiation. Ceramics International, 2022, 48, 1256-1263. | 2.3 | 13 |
| 2 | Oxygen vacancy enhanced Co3O4/ZnO nanocomposite with small sized and loose structure for sensitive electroanalysis of Hg(II) in subsidence area water. Sensors and Actuators B: Chemical, 2021, 326, 128967. | 4.0 | 26 |
| 3 | Interfacial properties of trithiocyanuric acid functionalized cellulose nanofibers for efficient recovery of gold ions from aqueous solution. Cellulose, 2021, 28, 937-947. | 2.4 | 3 |
| 4 | Transparencyâ€tunable and moderateâ€temperature healable thermoplastic polyurethane elastomer based on bisphenol A chainâ€extender. Journal of Applied Polymer Science, 2021, 138, 49794. | 1.3 | 8 |
| 5 | Functionalization of hydrophobic nonwoven cotton fabric for oil and water repellency. SN Applied Sciences, 2021, 3, 1. | 1.5 | 18 |
| 6 | Surface-functionalized pomelo peel-derived biochar with mercapto-1,2,4-triazloe for selective elimination of toxic Pb (II) in aqueous solutions. Advanced Powder Technology, 2021, 32, 1013-1022. | 2.0 | 14 |
| 7 | Thermal Healing of Copolyacrylate Elastomer Based on Catalystâ€Free Transketalization. Macromolecular Chemistry and Physics, 2021, 222, 2100042. | 1.1 | 1 |
| 8 | LiBH4 for hydrogen storage - New perspectives. Nano Materials Science, 2020, 2, 109-119. | 3.9 | 41 |
| 9 | Effects of biomass diatom frustule on structure and properties of polyurethane elastomer. Journal of Applied Polymer Science, 2020, 137, 48452. | 1.3 | 5 |
| 10 | Preparation of [Amine-Terminated Generation 5 Poly(amidoamine)]-graft-Poly(lactic-co-glycolic acid) Electrospun Nanofibrous Mats for Scaffold-Mediated Gene Transfection. ACS Applied Bio Materials, 2020, 3, 346-357. | 2.3 | 10 |
| 11 | Experimental and DFT studies on the selective adsorption of Pd(II) from wastewater by pyromellitic-functionalized poly(glycidyl methacrylate) microsphere. Journal of Molecular Liquids, 2020, 300, 112296. | 2.3 | 18 |
| 12 | Experimental and DFT study of selective adsorption mechanisms of Pb(II) by UiO-66-NH2 modified with 1,8-dihydroxyanthraquinone. Journal of Industrial and Engineering Chemistry, 2020, 83, 111-122. | 2.9 | 53 |
| 13 | Polydopamine-assisted deposition of CuS nanoparticles on cotton fabrics for photocatalytic and photothermal conversion performance. Cellulose, 2020, 27, 8443-8455. | 2.4 | 27 |
| 14 | Adsorption behavior of Pd(II) ions from aqueous solution onto pyromellitic acid modified-UiO-66-NH2. Arabian Journal of Chemistry, 2020, 13, 7007-7019. | 2.3 | 30 |
| 15 | A Nanosensor for Naked-Eye Identification and Adsorption of Cadmium Ion Based on Coreâ€“Shell Magnetic Nanospheres. Materials, 2020, 13, 3678. | 1.3 | 0 |
| 16 | An eco-friendly route for template-free synthesis of high specific surface area mesoporous CeO<sub>2</sub> powders and their adsorption for acid orange 7. RSC Advances, 2019, 9, 22366-22375. | 1.7 | 8 |
| 17 | Design of <scp>l</scp>-Cysteine Functionalized UiO-66 MOFs for Selective Adsorption of Hg(II) in Aqueous Medium. ACS Applied Materials & Interfaces, 2019, 11, 46973-46983. | 4.0 | 117 |
| 18 | Amorphous silica nanoparticles induce tumorigenesis via regulating ATP5H/SOD1-related oxidative stress, oxidative phosphorylation and EIF4G2/PABPC1-associated translational initiation. PeerJ, 2019, 7, e6455. | 0.9 | 4 |

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|---|---|---|---|
| 19 | Selective recovery of silver from aqueous solutions by poly (glycidyl methacrylate) microsphere modified with trithiocyanuric acid. Journal of Molecular Liquids, 2018, 254, 340-348. | 2.3 | 38 |
| 20 | Functionalization of nanosilica via guanidinium ionic liquid for the recovery of gold ions from aqueous solutions. Journal of Molecular Liquids, 2018, 256, 183-190. | 2.3 | 29 |
| 21 | Preparation of 2-Aminothiazole-Functionalized Poly(glycidyl methacrylate) Microspheres and Their Excellent Gold Ion Adsorption Properties. Polymers, 2018, 10, 159. | 2.0 | 30 |
| 22 | An inorganic/organic hybrid magnetic network as a colorimetric fluorescent nanosensor and its recognizing behavior toward Hg2+. Applied Surface Science, 2017, 423, 1103-1110. | 3.1 | 7 |
| 23 | Synthesis of mesoporous silica materials (MCMâ€41) using silica fume as the silica source in a binary surfactant system assisted by postâ€hydrothermal treatment and its Pb<sup>2+</sup> removal properties. Canadian Journal of Chemical Engineering, 2017, 95, 46-54. | 0.9 | 5 |
| 24 | Nanosilica-supported thiosemicarbazideâ€“glutaraldehyde polymer for selective Au(<scp>iii</scp>) removal from aqueous solution. RSC Advances, 2017, 7, 55215-55223. | 1.7 | 16 |
| 25 | Texturing a pyramid-like structure on a silicon surface via the synergetic effect of copper and Fe(III) in hydrofluoric acid solution. Applied Surface Science, 2016, 372, 36-41. | 3.1 | 21 |
| 26 | Sonication-induced scission of molecular bottlebrushes: Implications of the â€œhairyâ€•architecture. Polymer, 2016, 84, 178-184. | 1.8 | 28 |
| 27 | Colorimetric Fluorescent Nanosensor Based on Hexamethylene Diisocyanate for Fluorescent Responses and Adsorption of Heavy Metal Ions. Journal of Nanoscience and Nanotechnology, 2016, 16, 2853-2860. | 0.9 | 3 |
| 28 | Synthesis of spherical mesoporous silica materials by pseudomorphic transformation of silica fume and its Pb2+ removal properties. Microporous and Mesoporous Materials, 2016, 222, 192-201. | 2.2 | 34 |
| 29 | Numerical simulation and experimental verification of vacuum directional solidification process for multicrystalline silicon. Vacuum, 2015, 116, 96-103. | 1.6 | 16 |
| 30 | Cr(VI) Removal from Aqueous by Adsorption on Amine-Functionalized Mesoporous Silica Prepared from Silica Fume. Journal of Chemistry, 2014, 2014, 1-10. | 0.9 | 15 |
| 31 | Fabrication of p-type porous silicon nanowire with oxidized silicon substrate through one-step MACE. Journal of Solid State Chemistry, 2014, 213, 242-249. | 1.4 | 31 |
| 32 | Influence of fabrication parameter on the nanostructure and photoluminescence of highly doped p-porous silicon. Journal of Luminescence, 2014, 146, 76-82. | 1.5 | 18 |
| 33 | Simultaneous fluorescence response and adsorption of functionalized Fe3O4@SiO2 nanoparticles to Cd2+, Zn2+ and Cu2+. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 459, 240-246. | 2.3 | 23 |
| 34 | Selective removal of heavy metal ions from aqueous solutions with surface functionalized silica nanoparticles by different functional groups. Journal of Central South University, 2014, 21, 3575-3579. | 1.2 | 30 |
| 35 | Fabrication of porous silicon nanowires by MACE method in HF/H2O2/AgNO3 system at room temperature. Nanoscale Research Letters, 2014, 9, 196. | 3.1 | 70 |
| 36 | Selective Zn (II) chemosensor based on di(2-picolyl)amine functionalized inorganic/organic hybrid magnetic network. Chemical Engineering Journal, 2014, 244, 75-81. | 6.6 | 9 |

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|---|---|---|---|
| 37 | Functionalized magnetic coreâ€“shell Fe3O4@SiO2 nanoparticles for sensitive detection and removal of Hg2+. Journal of Nanoparticle Research, 2013, 15, 1. | 0.8 | 27 |
| 38 | Highly sensitive and selective OFF-ON fluorescent sensor based on functionalized Fe3O4@SiO2 nanoparticles for detection of Zn2+ in acetonitrile media. Applied Surface Science, 2013, 276, 705-710. | 3.1 | 25 |
| 39 | Using silica fume as silica source for synthesizing spherical ordered mesoporous silica. Materials Letters, 2013, 92, 129-131. | 1.3 | 27 |
| 40 | A Fluorescent Sensor for Zinc Detection and Removal Based on Core-Shell Functionalized Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>Nanoparticles. Journal of Nanomaterials, 2013, 2013, 1-7. | 1.5 | 9 |
| 41 | Effect of Binary Surfactant System on Morphologies and Structural Properties of Mesoporous Silica Materials Prepared from Silica Fume. Integrated Ferroelectrics, 2013, 147, 115-122. | 0.3 | 3 |
| 42 | A Highly Sensitive and Efficient Fe3O4@SiO2Nanoparticles Chemosensor for Cu2+Removal. Integrated Ferroelectrics, 2013, 147, 110-114. | 0.3 | 2 |
| 43 | Immobilization of Metal Ions on Porous Silicon for Gas Sensor. Integrated Ferroelectrics, 2012, 137, 85-90. | 0.3 | 1 |
| 44 | Organic-Hybrid Silica Nanoparticles as Adsorbent for Pb (II) Ion. Advanced Materials Research, 2012, 465, 146-149. | 0.3 | 2 |
| 45 | Cleavable porous silicon based hybrid material for pre-enrichment of trace heavy metal ions. Applied Surface Science, 2012, 258, 5538-5542. | 3.1 | 5 |
| 46 | Silica nanoparticles functionalized via click chemistry and ATRP for enrichment of Pb(II) ion. Nanoscale Research Letters, 2012, 7, 485. | 3.1 | 33 |
| 47 | Boron removal from metallurgical-grade silicon using lithium containing slag. Journal of Non-Crystalline Solids, 2012, 358, 2708-2712. | 1.5 | 92 |
| 48 | Cleaved disulfide cross-linking functionalized silica nanoparticles for enrichment of Cd (II). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 395, 18-23. | 2.3 | 1 |
| 49 | Preparation and characterization of La0.9Sr0.1Ga0.8Mg0.2O3â˜Î´ thin film electrolyte deposited by RF magnetron sputtering on the porous anode support for IT-SOFC. Vacuum, 2012, 86, 1203-1209. | 1.6 | 11 |
| 50 | A Highly Sensitive and Efficient Functionalized Magnetic Chemosensor for Cu2+ Removal. Physics Procedia, 2012, 25, 2125-2130. | 1.2 | 3 |
| 51 | Versatile functionalization of Fe3O4 nanoparticles via RAFT polymerization and click chemistry. Applied Surface Science, 2011, 257, 10384-10389. | 3.1 | 14 |
| 52 | Layer-by-Layer self-assembly of polyaspartate and Poly(ethyleneimine) on magnetic nanoparticles: Characterization and adsorption of protein. Current Applied Physics, 2011, 11, 1337-1342. | 1.1 | 21 |
| 53 | Surface-induced reversible addition-fragmentation chain-transfer (RAFT) polymerization on magnetic nanoparticles to resist nonspecific adsorption of proteins. Chemical Engineering Journal, 2011, 173, 873-878. | 6.6 | 10 |
| 54 | Kinetics of iron removal from metallurgical grade silicon with pressure leaching. Rare Metals, 2011, 30, 688-694. | 3.6 | 13 |

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|---|---|---|---|
| 55 | Synthesis and Photoluminescence Property of Silicon Carbide Nanowires Via Carbothermic Reduction of Silica. Nanoscale Research Letters, 2010, 5, 252-256. | 3.1 | 56 |
| 56 | Preparation of Cu2+/NTA-derivatized branch polyglycerol magnetic nanoparticles for protein adsorption. Journal of Nanoparticle Research, 2010, 12, 2467-2472. | 0.8 | 10 |
| 57 | Preparation and characterization of smart polymer brush-modified magnetic nanoparticles for biomedicine application. Journal of Nanoparticle Research, 2009, 11, 909-916. | 0.8 | 15 |
| 58 | Preparation and characterization of antifouling thermosensitive magnetic nanoparticles for applications in biomedicine. Materials Science and Engineering C, 2009, 29, 1196-1200. | 3.8 | 24 |
| 59 | Characterization and catalytic activity of lead-promoted palladium nanoparticle catalysts. Chemical Engineering Journal, 2009, 150, 237-241. | 6.6 | 5 |
| 60 | Preparation of onion-like Pdâ€“Biâ€“Au/C trimetallic catalyst and their application. Journal of Sol-Gel Science and Technology, 2008, 47, 182-186. | 1.1 | 8 |
| 61 | Preparation and Characterization of Stimuli-Responsive Magnetic Nanoparticles. Nanoscale Research Letters, 2008, 3, . | 3.1 | 23 |
| 62 | Visual Detection of Copper(II) by Azideâ€•and Alkyneâ€Functionalized Gold Nanoparticles Using Click Chemistry. Angewandte Chemie - International Edition, 2008, 47, 7454-7456. | 7.2 | 408 |
| 63 | Growing hyperbranched polyglycerols on magnetic nanoparticles to resist nonspecific adsorption of proteins. Colloids and Surfaces B: Biointerfaces, 2008, 67, 122-126. | 2.5 | 51 |
| 64 | Modification of magnetite nanoparticles via surface-initiated atom transfer radical polymerization (ATRP). Chemical Engineering Journal, 2008, 138, 578-585. | 6.6 | 92 |
| 65 | 1,â€‰3-dipolar cycloaddition as a general route for functionalization of Fe3O4nanoparticles. Nanotechnology, 2008, 19, 175601. | 1.3 | 18 |
| 66 | Catalytic Oxidation of Polyethylene Glycol Dodecyl Ether to Corresponding Carboxylic Acid by Gold, Palladium (Mono and Bimetallic) Nanoparticles Supported on Carbon. Catalysis Letters, 2007, 118, 86-90. | 1.4 | 8 |
| 67 | Removal of Iron from Metallurgical Grade Silicon with Pressure Leaching. Materials Science Forum, 0, 675-677, 873-876. | 0.3 | 13 |
| 68 | Preparation of Large-Area Porous Silicon through Cu-Assisted Chemical Etching. Materials Science Forum, 0, 847, 78-83. | 0.3 | 3 |