

Guo-Zhong Wu

List of Publications by Year in Descending Order

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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.

195
papers

4,271
citations

33
h-index

53
g-index

201
ext. papers

4,838
ext. citations

4.6
avg, IF

5.54
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 195 | Selective recovery of gold from e-waste with 3D hierarchical porous amidoximated fabrics and its application in the reduction of 4-nitrophenol. <i>Radiation Physics and Chemistry</i> , 2022 , 194, 110006 | 2.5 | 0 |
| 194 | Amidoximated UHMWPE fiber using diaminomaleonitrile as a precursor possessing excellent selectivity for uranium over vanadium in natural seawater. <i>Radiation Physics and Chemistry</i> , 2022 , 196, 110139 | 2.5 | |
| 193 | Study on the species and stability of free radicals in bisphenol-A based epoxy resin induced by γ irradiation up to 1000kGy. <i>Radiation Physics and Chemistry</i> , 2022 , 197, 110220 | 2.5 | 0 |
| 192 | Fabrication of amidoxime-appended UiO-66 for the efficient and rapid removal of U(VI) from aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2021 , 329, 111511 | 5.3 | |
| 191 | Supercritical CO ₂ assisted construction of carbon black /polypropylene composite foams with bioinspired open-cell micro-nano hierarchical structure and outstanding performance for oil/water separation. <i>Journal of Supercritical Fluids</i> , 2021 , 105466 | 4.2 | 1 |
| 190 | Development of highly durable superhydrophobic and UV-resistant wood by E-beam radiation curing. <i>Cellulose</i> , 2021 , 28, 11579 | 5.5 | 3 |
| 189 | Radiation Grafting Assisted Preparation of Layered Structure Polypropylene Foam with Superthermal Insulation and Hydrophobic Properties via a Supercritical CO ₂ Batch Foaming Process. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3799-3808 | 3.9 | 1 |
| 188 | Electron Beam Irradiation-Induced Formation of Defect-Rich Zeolites under Ambient Condition within Minutes. <i>Angewandte Chemie</i> , 2021 , 133, 14984-14989 | 3.6 | 0 |
| 187 | Electron Beam Irradiation-Induced Formation of Defect-Rich Zeolites under Ambient Condition within Minutes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14858-14863 | 16.4 | 5 |
| 186 | High thermal insulation and compressive strength polypropylene microcellular foams with honeycomb structure. <i>Polymer Degradation and Stability</i> , 2021 , 183, 109406 | 4.7 | 9 |
| 185 | Electron beam-induced preparation of AIE non-woven fabric with excellent fluorescence durability. <i>Applied Surface Science</i> , 2021 , 541, 148382 | 6.7 | 5 |
| 184 | Pyrene-Based Nonwoven Fabric with Tunable Fluorescence Properties by Employing the Aggregation-Caused Quenching Effect. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9036-9042 | 9.5 | 6 |
| 183 | Amidoximated polyethylene nonwoven fabric used for highly efficient recovery of uranyl carbonate from alkaline solution with high concentration of fluoride ions. <i>Radiation Physics and Chemistry</i> , 2021 , 189, 109615 | 2.5 | 2 |
| 182 | Boosting Photo-Fenton reactions by amidoxime chelated ferrous iron (Fe(III)) catalyst for highly efficient pollutant control. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120574 | 21.8 | 2 |
| 181 | A Greener Amidoximation Process for Fabrication of Popular Uranium Complexing Fiber Using Water as the Single Solvent. <i>ACS Omega</i> , 2021 , 6, 1894-1900 | 3.9 | 4 |
| 180 | Boosting peroxydisulfate activation via highly active and durable cobalt catalysts. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2308-2318 | 13 | 4 |
| 179 | Fabrication of new conductive surface-metallized UHMWPE fabric with improved thermal resistance.. <i>RSC Advances</i> , 2020 , 10, 15139-15147 | 3.7 | 4 |

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| 178 | Radiation assisted pre-oxidation of polyacrylonitrile fiber: Graphite formation and lower crystal size revealed by 2D WAXD at a synchrotron facility. <i>Polymer Degradation and Stability</i> , 2020 , 179, 109264 | 4.7 | 5 |
| 177 | Efficient removal of uranium from diluted aqueous solution with hydroxypyridone functionalized polyethylene nonwoven fabrics. <i>Radiation Physics and Chemistry</i> , 2020 , 171, 108742 | 2.5 | 14 |
| 176 | Stretchable conductive Ni@Fe ₃ O ₄ @Polyester fabric strain sensor with negative resistance variation and electromagnetic interference shielding. <i>Organic Electronics</i> , 2020 , 81, 105677 | 3.5 | 11 |
| 175 | Electron Beam Irradiation as a General Approach for the Rapid Synthesis of Covalent Organic Frameworks under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9169-9174 | 16.4 | 35 |
| 174 | In-situ formation of durable akaganeite (FeOOH) nanorods on sulfonate-modified poly(ethylene terephthalate) fabric for dual-functional wastewater treatment. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121647 | 12.8 | 9 |
| 173 | Co anchored on surface-functionalized PET non-woven fabric and used as high efficiency monoatom-like catalyst for activating Oxone in water. <i>Science of the Total Environment</i> , 2020 , 699, 134286 | 10.2 | 2 |
| 172 | Low-molecular-weight chitosan relieves enterotoxigenic Escherichia coli-induced growth retardation in weaned pigs. <i>International Immunopharmacology</i> , 2020 , 78, 105798 | 5.8 | 4 |
| 171 | Fabrication and Potential Applications of Highly Durable Superhydrophobic Polyethylene Terephthalate Fabrics Produced by In-Situ Zinc Oxide (ZnO) Nanowires Deposition and Polydimethylsiloxane (PDMS) Packaging. <i>Polymers</i> , 2020 , 12, | 4.5 | 5 |
| 170 | Tightly-coated and easily recyclable Ag@AgBr-cotton hybrid photocatalyst for organic dye degradation under visible light. <i>Cellulose</i> , 2020 , 27, 10047-10060 | 5.5 | 1 |
| 169 | Radiation-Induced -Printed Nonconjugated Fluorescent Nonwoven Fabric with Superior Fluorescent Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49258-49264 | 9.5 | 8 |
| 168 | Temperature-dependent structural changes of [Bmim]FeCl ₄ magnetic ionic liquid characterized by an in-situ X-ray absorption fine structure. <i>Chinese Chemical Letters</i> , 2020 , 31, 801-804 | 8.1 | 2 |
| 167 | A facile strategy for fabrication of HKUST-1 on a flexible polyethylene nonwoven fabric with a high MOF loading. <i>Microporous and Mesoporous Materials</i> , 2020 , 292, 109723 | 5.3 | 6 |
| 166 | Rheology, polymorphic crystal transformation, thermal, and mechanical properties of long-chain branched isotactic poly(1-butene). <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48411 | 2.9 | 1 |
| 165 | A highly efficient pathway to recover gold from acid aqueous solution by using an amidoxime-functionalized UHMWPE fiber. <i>Rare Metals</i> , 2019 , 38, 1105-1112 | 5.5 | 6 |
| 164 | High-Strength Triple Shape Memory Elastomers from Radiation-Vulcanized Polyolefin Elastomer/Polypropylene Blends. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1735-1748 | 4.3 | 9 |
| 163 | Trace Zinc-Preload for Enhancement of Uranium Adsorption Performance and Antifouling Property of AO-Functionalized UHMWPE Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 8026-8034 | 3.9 | 17 |
| 162 | In-situ mineralized robust polysiloxane-Ag@ZnO on cotton for enhanced photocatalytic and antibacterial activities. <i>Carbohydrate Polymers</i> , 2019 , 217, 15-25 | 10.3 | 23 |
| 161 | Amelioration of Enterotoxigenic -Induced Intestinal Barrier Disruption by Low-Molecular-Weight Chitosan in Weaned Pigs is Related to Suppressed Intestinal Inflammation and Apoptosis. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 21 |

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| 160 | Higher dose rate effect of 500-keV EB irradiation favoring free radical annealing and pre-oxidation of polyacrylonitrile fibers. <i>Polymer Degradation and Stability</i> , 2019 , 167, 201-209 | 4.7 | 7 |
| 159 | Flexible and Highly Sensitive Humidity Sensor Based on Sandwich-Like Ag/FeO Nanowires Composite for Multiple Dynamic Monitoring. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 12 |
| 158 | Improving the Supercritical CO ₂ Foaming of Polypropylene by the Addition of Fluoroelastomer as a Nucleation Agent. <i>Polymers</i> , 2019 , 11, | 4.5 | 9 |
| 157 | Flexible and Thermally Induced Switchable Fire Alarm Fabric Based On Layer-by-Layer Self-Assembled Silver Sheet/FeO Nanowire Composite. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47456-47467 | 9.5 | 21 |
| 156 | Radiation Cross-Linking for Conventional and Supercritical CO ₂ Foaming of Polymer 2019 , 115-139 | | 4 |
| 155 | Fabrication of New High-Performance UHMWPE-Based Conductive Fibers in a Universal Process. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 935-943 | 3.9 | 6 |
| 154 | Fabrication of highly durable polysiloxane-zinc oxide (ZnO) coated polyethylene terephthalate (PET) fabric with improved ultraviolet resistance, hydrophobicity, and thermal resistance. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 91-100 | 9.3 | 34 |
| 153 | Preparation of amidoxime-based PE/PP fibers for extraction of uranium from aqueous solution. <i>Nuclear Science and Techniques/Hewuli</i> , 2019 , 30, 1 | 2.1 | 14 |
| 152 | Radiation Technology Application in High-Performance Fibers and Functional Textiles 2019 , 13-73 | | 2 |
| 151 | Radiation Degradation or Modification of Poly(tetrafluoroethylene) and Natural Polymers 2019 , 141-182 | | 2 |
| 150 | Radiation Preparation or Application of Graphene, Nanomaterials, Porous Polymeric Materials, and Ionic Liquids 2019 , 249-317 | | |
| 149 | Tris-amidoximate uranyl complexes via binding mode coordinated in aqueous solution shown by X-ray absorption spectroscopy and density functional theory methods. <i>Journal of Synchrotron Radiation</i> , 2018 , 25, 514-522 | 2.4 | 8 |
| 148 | Functionalization of cotton fabrics with highly durable polysiloxane-TiO ₂ hybrid layers: potential applications for photo-induced water-oil separation, UV shielding, and self-cleaning. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6085-6095 | 13 | 52 |
| 147 | An efficient and reusable quaternary ammonium fabric adsorbent prepared by radiation grafting for removal of Cr(VI) from wastewater. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 11045-11053 | 5.1 | 25 |
| 146 | Merits of the Addition of PTFE Micropowder in Supercritical Carbon Dioxide Foaming of Polypropylene: Ultrahigh Cell Density, High Tensile Strength, and Good Sound Insulation. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1498-1505 | 3.9 | 22 |
| 145 | Electron-beam-induced post-grafting polymerization of acrylic acid onto the surface of Kevlar fibers. <i>Radiation Physics and Chemistry</i> , 2018 , 145, 74-79 | 2.5 | 15 |
| 144 | Synergistic effects of different co-monomers on the uranium adsorption performance of amidoximated polyethylene nonwoven fabric in natural seawater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 315, 111-117 | 1.5 | 17 |
| 143 | Influence of carboxyl and amide groups on in vitro hemocompatibility of sulfonated polypropylene non-woven fabric. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45915 | 2.9 | |

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| 142 | Functionalized polyethylene fibers for the selective capture of palladium ions from aqueous solution. <i>Applied Surface Science</i> , 2018 , 433, 116-124 | 6.7 | 14 |
| 141 | A strategy for the preparation of closed-cell and crosslinked polypropylene foam by supercritical CO ₂ foaming. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45809 | 2.9 | 22 |
| 140 | A new promising nucleating agent for polymer foaming: effects of hollow molecular-sieve particles on polypropylene supercritical CO microcellular foaming.. <i>RSC Advances</i> , 2018 , 8, 20061-20067 | 3.7 | 15 |
| 139 | Phosphate-Based Ultrahigh Molecular Weight Polyethylene Fibers for Efficient Removal of Uranium from Carbonate Solution Containing Fluoride Ions. <i>Molecules</i> , 2018 , 23, | 4.8 | 10 |
| 138 | Highly Durable and Robust Superhydrophobic/Superoleophilic Cotton Fabric with Well-designed Roughness for Oil/Water Separation. <i>Fibers and Polymers</i> , 2018 , 19, 1522-1531 | 2 | 7 |
| 137 | The enhanced dyeability of aromatic polysulfonamide fibers using γ irradiation-induced graft polymerization. <i>Polymer Engineering and Science</i> , 2018 , 59, 592 | 2.3 | |
| 136 | Controlling crystal polymorphism of isotactic poly(1-butene) by incorporating long chain branches. <i>Soft Matter</i> , 2018 , 14, 8872-8878 | 3.6 | 3 |
| 135 | Fe ₃ O ₄ Nanowire Arrays on Flexible Polypropylene Substrates for UV and Magnetic Sensing. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5742-5752 | 5.6 | 15 |
| 134 | Better scCO ₂ Foaming of Polypropylene via Earlier Crystallization with the Addition of Composite Nucleating Agent. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 15916-15923 | 3.9 | 14 |
| 133 | Significantly reduced pre-oxidation period of PAN fibers by continuous electron beam irradiation: Optimization by monitoring radical variation. <i>Polymer Degradation and Stability</i> , 2018 , 158, 72-82 | 4.7 | 17 |
| 132 | Electrochemical Behavior of Graphite Anode in LiF-NaF-KF Eutectic with YF ₃ . <i>Electrochimica Acta</i> , 2017 , 225, 392-398 | 6.7 | 7 |
| 131 | Uranium Adsorption Tests of Amidoxime-Based Ultrahigh Molecular Weight Polyethylene Fibers in Simulated Seawater and Natural Coastal Marine Seawater from Different Locations. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1103-1111 | 3.9 | 33 |
| 130 | In vitro anticoagulant activity of polyanionic graft chains modified poly(vinyl alcohol) particles. <i>Radiation Physics and Chemistry</i> , 2017 , 134, 27-32 | 2.5 | 9 |
| 129 | Complexation of vanadium with amidoxime and carboxyl groups: uncovering the competitive role of vanadium in uranium extraction from seawater. <i>Radiochimica Acta</i> , 2017 , 105, 541-553 | 1.9 | 10 |
| 128 | Amidoxime-based adsorbents prepared by cografiting acrylic acid with acrylonitrile onto HDPE fiber for the recovery of uranium from seawater. <i>Nuclear Science and Techniques/Hewuli</i> , 2017 , 28, 1 | 2.1 | 10 |
| 127 | Optimization of molar content of amidoxime and acrylic acid in UHMWPE fibers for improvement of seawater uranium adsorption capacity. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 311, 1771-1779 | 1.5 | 17 |
| 126 | Supercritical CO ₂ foaming of radiation crosslinked polypropylene/high-density polyethylene blend: Cell structure and tensile property. <i>Radiation Physics and Chemistry</i> , 2017 , 141, 276-283 | 2.5 | 19 |
| 125 | High-performance functionalized polyethylene fiber for the capture of trace uranium in water. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 314, 2393-2403 | 1.5 | 8 |

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| 124 | Preparation of antimicrobial MnO ₄ -doped nylon-66 fibers with excellent laundering durability. <i>Applied Surface Science</i> , 2017 , 422, 1067-1074 | 6.7 | 12 |
| 123 | Radiation effects on the foaming of atactic polypropylene with supercritical carbon dioxide. <i>Radiation Physics and Chemistry</i> , 2017 , 131, 35-40 | 2.5 | 26 |
| 122 | Radiation-induced graft polymerization for the preparation of a highly efficient UHMWPE fibrous adsorbent for Cr(VI) removal. <i>Radiation Physics and Chemistry</i> , 2017 , 130, 92-102 | 2.5 | 20 |
| 121 | More wear-resistant and ductile UHMWPE composite prepared by the addition of radiation crosslinked UHMWPE powder. <i>Journal of Applied Polymer Science</i> , 2017 , 134, | 2.9 | 5 |
| 120 | Low-Molecular-Weight Chitosan Supplementation Increases the Population of in the Cecal Contents of Weanling Pigs. <i>Frontiers in Microbiology</i> , 2017 , 8, 2182 | 5.7 | 19 |
| 119 | An Amidoximated-UHMEPE Fiber for Selective and High Efficient Removal of Uranyl and Thorium from Acid Aqueous Solution. <i>Advances in Chemical Engineering and Science</i> , 2017 , 07, 45-59 | 0.4 | 7 |
| 118 | Probing the spontaneous reduction mechanism of platinum ions confined in the nanospace by X-ray absorption fine structure spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19259-66 | 3.6 | 7 |
| 117 | Crystallization and temperature-dependent structure deflection of C6mimBr ionic liquid intercalated in LAPONITE [®] . <i>RSC Advances</i> , 2016 , 6, 98018-98025 | 3.7 | 4 |
| 116 | Origin of heterogeneous dynamics in local molecular structures of ionic liquids. <i>Soft Matter</i> , 2016 , 12, 8942-8949 | 3.6 | 17 |
| 115 | Highly hydrophilic ultra-high molecular weight polyethylene powder and film prepared by radiation grafting of acrylic acid. <i>Applied Surface Science</i> , 2016 , 382, 162-169 | 6.7 | 11 |
| 114 | Preparation and characterization of superhydrophobic organic-inorganic hybrid cotton fabrics via radiation-induced graft polymerization. <i>Carbohydrate Polymers</i> , 2016 , 149, 308-16 | 10.3 | 40 |
| 113 | Variations in surface and electrical properties of polytetrafluoroethylene film after plasma-induced grafting of acrylic acid. <i>Nuclear Science and Techniques/Hewuli</i> , 2016 , 27, 1 | 2.1 | 4 |
| 112 | Effect of oxygen on the corrosion of SiC in LiF-NaF-KF molten salt. <i>Corrosion Science</i> , 2016 , 103, 165-172 | 6.8 | 31 |
| 111 | Radiation synthesis of a new amidoximated UHMWPE fibrous adsorbent with high adsorption selectivity for uranium over vanadium in simulated seawater. <i>Radiation Physics and Chemistry</i> , 2016 , 122, 1-8 | 2.5 | 53 |
| 110 | Preparation of Amidoximated Ultrahigh Molecular Weight Polyethylene Fiber by Radiation Grafting and Uranium Adsorption Test. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4118-4124 | 3.9 | 55 |
| 109 | DFT investigations of uranium complexation with amidoxime-, carboxyl- and mixed amidoxime/carboxyl-based host architectures for sequestering uranium from seawater. <i>Inorganica Chimica Acta</i> , 2016 , 441, 117-125 | 2.7 | 20 |
| 108 | Improving the creep resistance and tensile property of UHMWPE sheet by radiation cross-linking and annealing. <i>Radiation Physics and Chemistry</i> , 2016 , 125, 41-49 | 2.5 | 24 |
| 107 | Extended X-ray Absorption Fine Structure and Density Functional Theory Studies on the Complexation Mechanism of Amidoximate Ligand to Uranyl Carbonate. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4224-4230 | 3.9 | 29 |

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|-----|--|-----|----|
| 106 | Supercritical CO ₂ Foaming of Radiation Cross-Linked Isotactic Polypropylene in the Presence of TAIC. <i>Molecules</i> , 2016 , 21, | 4.8 | 19 |
| 105 | Laser Flash Photolysis Mechanism of Anthraquinone-2-Sodium Sulfonate in Pyridine Ionic Liquid/Water Mixed System. <i>Chinese Journal of Chemical Physics</i> , 2016 , 29, 140-146 | 0.9 | 2 |
| 104 | Functionalized and reusable polyethylene fibres for Au(III) extraction from aqueous solution with high adsorption capacity and selectivity. <i>RSC Advances</i> , 2016 , 6, 87221-87229 | 3.7 | 13 |
| 103 | Preparation of Amidoxime-Based Nylon-66 Fibers for Removing Uranium from Low-Concentration Aqueous Solutions and Simulated Nuclear Industry Effluents. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10523-10532 | 3.9 | 42 |
| 102 | Significant Improvement in Thermal and UV Resistances of UHMWPE Fabric through in Situ Formation of Polysiloxane-TiO ₂ Hybrid Layers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23311-2095 | 9.5 | 33 |
| 101 | Optimum complexation of uranyl with amidoxime in aqueous solution under different pH levels: density functional theory calculations. <i>Molecular Physics</i> , 2015 , 113, 1327-1336 | 1.7 | 11 |
| 100 | Radiation-induced oxidation of ultra-high molecular weight polyethylene (UHMWPE) powder by gamma rays and electron beams: A clear dependence of dose rate. <i>Radiation Physics and Chemistry</i> , 2015 , 115, 88-96 | 2.5 | 34 |
| 99 | Temperature-Induced Molecular Rearrangement of an Ionic Liquid Confined in Nanospaces: An in Situ X-ray Absorption Fine Structure Study. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22724-22731 | 3.8 | 17 |
| 98 | In vitro hemocompatibility of sulfonated polypropylene non-woven fabric prepared via a facile Ray pre-irradiation grafting method. <i>Applied Surface Science</i> , 2015 , 356, 1221-1228 | 6.7 | 24 |
| 97 | Dilute or Concentrated Electrolyte Solutions? Insight from Ionic Liquid/Water Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3713-20 | 6.4 | 34 |
| 96 | Photoinduced electron transfer between 2-methylanthraquinone and triethylamine in an ionic liquid: time-resolved EPR and transient absorption spectroscopy study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 137, 148-53 | 4.4 | 5 |
| 95 | Treatment of gallbladder stone with common bile duct stones in the laparoscopic era. <i>BMC Surgery</i> , 2015 , 15, 7 | 2.3 | 29 |
| 94 | Sequestering uranium from UO ₂ (CO ₃) ₃ (4-) in seawater with amine ligands: density functional theory calculations. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14662-73 | 3.6 | 19 |
| 93 | Structural analysis of [Bmim] ₂ CuCl ₄ ionic liquids in the presence of water and ethanol by XAFS technique. <i>Science China Chemistry</i> , 2015 , 58, 716-721 | 7.9 | 3 |
| 92 | The photochemistry of carbon nanotubes and its impact on the photo-degradation of dye pollutants in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2015 , 439, 98-104 | 9.3 | 13 |
| 91 | Crystal size shrinking in radiation-induced crosslinking of polytetrafluoroethylene: Synchrotron small angle X-ray scattering and scanning electron microscopy analysis. <i>European Polymer Journal</i> , 2014 , 59, 156-160 | 5.2 | 8 |
| 90 | Molecular insights into the electric double layers of ionic liquids on Au(100) electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12556-65 | 9.5 | 40 |
| 89 | Pt ₂ Cl ₈ ²⁻ Dimer Formation of [Bmim] ₂ PtCl ₄ Ionic Liquid When Confined in Silica Nanopores. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3140-3144 | 3.8 | 9 |

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| 88 | Electrochemical Behavior of Europium(III)-Europium(II) in LiF-NaF-KF Molten Salt. <i>Electrochimica Acta</i> , 2014 , 147, 114-120 | 6.7 | 33 |
| 87 | Water dispersible polytetrafluoroethylene microparticles prepared by grafting of poly(acrylic acid). <i>Radiation Physics and Chemistry</i> , 2014 , 103, 103-107 | 2.5 | 9 |
| 86 | Primary closure after laparoscopic common bile duct exploration versus T-tube. <i>Journal of Surgical Research</i> , 2014 , 189, 249-54 | 2.5 | 43 |
| 85 | Increased of serum high-mobility group box chromosomal protein 1 correlated with intestinal mucosal barrier injury in patients with severe acute pancreatitis. <i>World Journal of Emergency Surgery</i> , 2014 , 9, 61 | 9.2 | 15 |
| 84 | Folate-polyethylene glycol conjugated carboxymethyl chitosan for tumor-targeted delivery of 5-fluorouracil. <i>Molecular Medicine Reports</i> , 2014 , 9, 786-92 | 2.9 | 9 |
| 83 | Radiation oxidation and subsequent thermal curing of polyacrylonitrile fiber. <i>Radiation Physics and Chemistry</i> , 2014 , 94, 9-13 | 2.5 | 21 |
| 82 | Preparation of radiation crosslinked foams from low-density polyethylene/ethylene-vinyl acetate (LDPE/EVA) copolymer blend with a supercritical carbon dioxide approach. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 912-918 | 2.9 | 20 |
| 81 | Preparation of microcellular polystyrene/polyethylene alloy foams by supercritical CO ₂ foaming and analysis by X-ray microtomography. <i>Journal of Supercritical Fluids</i> , 2013 , 82, 50-55 | 4.2 | 33 |
| 80 | Property variation of ionic liquid [Bmim][AuCl ₄] immobilized on carboxylated polystyrene submicrospheres with a small surface area. <i>Science Bulletin</i> , 2013 , 58, 2950-2955 | | 3 |
| 79 | Electron transfer in N-butylpyridinium tetrafluoroborate ionic liquid by pulse radiolysis. <i>Science Bulletin</i> , 2013 , 58, 1882-1886 | | 3 |
| 78 | Influence of FeCl ₃ on radiation stability of ionic liquid BmimCl. <i>Science Bulletin</i> , 2013 , 58, 1150-1155 | | 5 |
| 77 | Properties and evaluation of amidoxime-based UHMWPE fibrous adsorbent for extraction of uranium from seawater. <i>Science China Chemistry</i> , 2013 , 56, 1504-1509 | 7.9 | 50 |
| 76 | Compression of ionic liquid when confined in porous silica nanoparticles. <i>RSC Advances</i> , 2013 , 3, 9618 | 3.7 | 23 |
| 75 | An in situ XAFS study--the formation mechanism of gold nanoparticles from X-ray-irradiated ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11904-8 | 3.6 | 31 |
| 74 | Crystal structure and mechanical properties of UHMWPE-g-PMA fiber prepared by radiation grafting. <i>Radiation Physics and Chemistry</i> , 2013 , 86, 84-89 | 2.5 | 25 |
| 73 | The influence of silica nanoparticles on ionic liquid behavior: a clear difference between adsorption and confinement. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 21045-52 | 6.3 | 13 |
| 72 | Radiation-induced crosslinking of polyacrylonitrile fibers and the subsequent regulative effect on the preoxidation process. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 622-627 | 2.5 | 30 |
| 71 | Unravelling the Role of the Compressed Gas on Melting Point of Liquid Confined in Nanospace. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1052-5 | 6.4 | 35 |

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| 70 | The free radical species in polyacrylonitrile fibers induced by radiation and their decay behaviors. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 835-839 | 2.5 | 29 |
| 69 | Pulse radiolysis studies of functionally substituted imidazolium-based ionic liquids. <i>Science Bulletin</i> , 2012 , 57, 2752-2758 | | 6 |
| 68 | The controlled synthesis of stable gold nanoparticles in quaternary ammonium ionic liquids by simple heating. <i>Nanotechnology</i> , 2011 , 22, 025602 | 3.4 | 21 |
| 67 | Melting Transition of Ionic Liquid [bmim][PF6] Crystal Confined in Nanopores: A Molecular Dynamics Simulation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18946-18951 | 3.8 | 34 |
| 66 | A comparative study on the ionic liquid [bmim][BF4] and its solution with transient absorption spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 82, 74-8 | 4.4 | 4 |
| 65 | Laser photolysis studies of quaternary ammonium ionic liquids aqueous solution. <i>Research on Chemical Intermediates</i> , 2011 , 37, 79-89 | 2.8 | 2 |
| 64 | Reversible tuning of the hydrophobic/hydrophilic transition of hydrophobic ionic liquids by means of an electric field. <i>Soft Matter</i> , 2011 , 7, 4228 | 3.6 | 22 |
| 63 | Radiation effects of UHMW-PE fibre on gel fraction and mechanical properties. <i>Radiation Physics and Chemistry</i> , 2011 , 80, 274-277 | 2.5 | 23 |
| 62 | Radiation resistance evaluation of cross-linked polytetrafluoroethylene by the investigation of friction and wear behavior. <i>Radiation Physics and Chemistry</i> , 2011 , 80, 496-500 | 2.5 | 13 |
| 61 | Fluoride ion yield and absorption spectral analysis of irradiated imidazolium-based room-temperature ionic liquids. <i>Radiation Physics and Chemistry</i> , 2011 , 80, 573-577 | 2.5 | 10 |
| 60 | Immobilization and melting point depression of imidazolium ionic liquids on the surface of nano-SiO _x particles. <i>Dalton Transactions</i> , 2010 , 39, 3190-4 | 4.3 | 32 |
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