

# Yunjun Luo

## 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.

190  
papers

3,111  
citations

25  
h-index

49  
g-index

200  
ext. papers

3,746  
ext. citations

3.7  
avg, IF

5.64  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 190 | Effect of fluoropolymer content on thermal and combustion performance of direct writing high-solid nanothermite composite.. <i>RSC Advances</i> , <b>2022</b> , 12, 5612-5618  | 3.7 | 0         |
| 189 | Influence of the Binder Structure on the Interfacial Adhesion and Antimigration Properties of the Propellant Charge.. <i>ACS Omega</i> , <b>2022</b> , 7, 6335-6344  | 3.9 | 0         |
| 188 | Simultaneously optimized healing efficiency and mechanical strength in polymer composites reinforced by ultrahigh loading fillers based on interfacial energy and dynamic disulfide bonds. <i>Polymer</i> , <b>2022</b> , 124711 | 3.9 | 1         |
| 187 | Effects of liquid crystal polymer (LCP) on the structure and performance of PEEK/CF composites.. <i>RSC Advances</i> , <b>2022</b> , 12, 12446-12452   | 3.7 |           |
| 186 | Step-wise Polymerization-based Microstructures of 1,5-Cyclooctadiene Modified Polydicyclopentadiene for Enhanced Tensile Strength and Breaking Elongation. <i>Materials Letters</i> , <b>2022</b> , 132356                       | 3.3 |           |
| 185 | Halogen-free instinct flame-retardant waterborne polyurethanes: composition, performance, and application. <i>RSC Advances</i> , <b>2022</b> , 12, 14509-14520   | 3.7 | 0         |
| 184 | Preparation and Properties of Nitrocellulose/Viton Based Nano Energetic by Direct Writing. <i>Springer Proceedings in Physics</i> , <b>2022</b> , 341-352  | 0.2 |           |
| 183 | Synthesis and Application of a Low Dye Absorption Waterborne Polyurethane for Microfiber Synthetic Leather. <i>Coatings</i> , <b>2022</b> , 12, 728  | 2.9 | 1         |
| 182 | Study on curing kinetics and behaviours of PGN adhesives.. <i>RSC Advances</i> , <b>2021</b> , 11, 34836-34841   | 3.7 | 0         |
| 181 | Study on Properties of Energetic Plasticizer Modified Double-Base Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2021</b> , 46, 1662  | 1.7 | 1         |
| 180 | A novel route to improve the mechanical and rheological properties of HTPE/AP/Al propellant by adding a modified hyperbranched polyester. <i>High Performance Polymers</i> , <b>2021</b> , 33, 665-674                           | 1.6 | 1         |
| 179 | Effect of Plasticizer on Mechanical and Thermal Properties of In Situ-Prepared Block Hydroxyl-Terminated Polyether Applied in Propellants. <i>Polymer Science - Series A</i> , <b>2021</b> , 63, 238-251                         | 1.2 |           |
| 178 | Preparation of copper ferrite by sol-gel method and the synergistic catalytic for the thermal decomposition of ammonium perchlorate. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 98, 559-567                | 2.3 | 5         |
| 177 | Preparation and properties of a novel green solid polymer electrolyte for all-solid-state lithium battery. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50945  | 2.9 | 2         |
| 176 | Efficient activation of dimethyl carbonate to synthesize bio-based polycarbonate by eco-friendly amino acid ionic liquid catalyst. <i>Applied Catalysis A: General</i> , <b>2021</b> , 617, 118111                               | 5.1 | 3         |
| 175 | Supramicellar Nanofibrils with End-to-End Coupled Uniform Cylindrical Micelle Subunits via One-Step Assembly from a Liquid Crystalline Block Copolymer. <i>Macromolecules</i> , <b>2021</b> , 54, 6845-6853                      | 5.5 | 5         |
| 174 | Rationally Constructed Surface Energy and Dynamic Hard Domains Balance Mechanical Strength and Self-Healing Efficiency of Energetic Linear Polymer Materials. <i>Langmuir</i> , <b>2021</b> , 37, 8997-9008                      | 4   | 4         |

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| 173 | Cross-linking network structures and mechanical properties of novel HTPE/PCL binder for solid propellant. <i>Polymer Bulletin</i> , <b>2021</b> , 78, 313-334   | 2.4 | 9 |
| 172 | Promoting healing progress in polymer composites based on Diels-Alder reaction by constructing silver bridges. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 1239-1250  | 3.2 | 5 |
| 171 | Applying modified hyperbranched polyester in hydroxyl-terminated polyether/ammonium perchlorate/aluminium/cyclotrimethylenetrinitramine (HTPE / AP /Al/ RDX) composite solid propellant. <i>Polymer International</i> , <b>2021</b> , 70, 123-134 | 3.3 | 2 |
| 170 | The optical shielding performances and mechanisms of green flame-retardant two-component matte films under various application conditions.. <i>RSC Advances</i> , <b>2021</b> , 11, 12696-12702   | 3.7 | 1 |
| 169 | Glycidyl azide polymer-based polyurethane vitrimers with disulfide chain extenders. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 4072-4082  | 4.9 | 6 |
| 168 | Research development on graphitic carbon nitride and enhanced catalytic activity on ammonium perchlorate.. <i>RSC Advances</i> , <b>2021</b> , 11, 5729-5740  | 3.7 | 4 |
| 167 | Effect of Mixed Isocyanate Curing Agents on the Performance of In Situ-Prepared HTPE Binder Applied in Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2021</b> , 46, 428-439   | 1.7 | 3 |
| 166 | Influence of Strain Rate on Mechanical Properties of HTPE/PCL Propellant Applying to Wide Temperature Range. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2021</b> , 46, 618-625   | 1.7 | 2 |
| 165 | Preparation of anti-migration transition layer and its application in cast-in-case solid rocket motors. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50680  | 2.9 | 2 |
| 164 | CoreShell Copolymers with Brush-on-Hyperbranched Arm Architecture: Synthesis, Dual Thermoresponsive Behaviors, and Nanocarriers. <i>Macromolecules</i> , <b>2021</b> , 54, 8810-8821  | 5.5 | 1 |
| 163 | Thermal decomposition of ammonium perchlorate by black phosphorus and graphene oxide composite aerogel. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 17632-17645   | 4.3 | 0 |
| 162 | Matte waterborne polyurethane fabric nanocoating with versatility via mono-layered montmorillonite nanosheets. <i>Progress in Organic Coatings</i> , <b>2021</b> , 159, 106420  | 4.8 | 4 |
| 161 | Green fluorescent waterborne polyurethane polyols. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 845-853  | 2.4 | 1 |
| 160 | Facile mass preparation and characterization of Al/copper ferrites metastable intermolecular energetic nanocomposites.. <i>RSC Advances</i> , <b>2021</b> , 11, 7633-7643   | 3.7 | 3 |
| 159 | Preparation and characterization of self-healing furan-terminated polybutadiene (FTPB) based on Diels-Alder reaction.. <i>RSC Advances</i> , <b>2021</b> , 11, 32369-32375  | 3.7 | 1 |
| 158 | Accelerating Self-Healing Driven by Surface Energy Using Bulky Ester Groups in Polymer Materials. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 28048-28058   | 3.8 | 0 |
| 157 | Aggregation-induced emission from the crowded coronal chains of block copolymer micelles. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 4706-4713  | 4.9 | 7 |
| 156 | One-pot synthesis of bio-based polycarbonates from dimethyl carbonate and isosorbide under metal-free condition. <i>Green Chemistry</i> , <b>2020</b> , 22, 4550-4560   | 10  | 9 |

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|-----|--|------|----|
| 155 | Enhancing the Performance of an HTPE Binder by Adding a Novel Hyperbranched Multi-Arm Azide Copolyether. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2020</b> , 45, 1065-1076  | 1.7  | 5  |
| 154 | The synthesis of polymeric dyes based on waterborne polyurethane: a reaction kinetics study using UV absorption spectroscopy. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 2930-2940  | 3.6  | 6  |
| 153 | Room-Temperature Self-Healing and Reprocessable Waterborne Polyurethane with Dynamically Exchangeable Disulfide Bonds. <i>ChemistrySelect</i> , <b>2020</b> , 5, 4608-4618   | 1.8  | 8  |
| 152 | Synthesis and Characterization of Environmentally-Friendly Self-Matting Waterborne Polyurethane Coatings. <i>Coatings</i> , <b>2020</b> , 10, 494  | 2.9  | 6  |
| 151 | Synthesis and application of a phosphorus-containing waterborne polyurethane based polymeric dye with excellent flame retardancy. <i>Progress in Organic Coatings</i> , <b>2020</b> , 140, 105525                                    | 4.8  | 4  |
| 150 | Preparation and properties of polyurethane coatings modified by polysilazane. <i>High Performance Polymers</i> , <b>2020</b> , 32, 611-619   | 1.6  | 2  |
| 149 | A Novel Polymer Electrolyte Matrix Incorporating Ionic Liquid into Waterborne Polyurethane for Lithium-Ion Battery. <i>Polymers</i> , <b>2020</b> , 12,  | 4.5  | 5  |
| 148 | A study on the effect of four thermoplastic elastomers on the properties of double-base propellants.. <i>RSC Advances</i> , <b>2020</b> , 10, 42883-42889  | 3.7  | 1  |
| 147 | Fabrication of Polytetrafluoroethylene Coated Micron Aluminium with Enhanced Oxidation. <i>Materials</i> , <b>2020</b> , 13,   | 3.5  | 1  |
| 146 | Rapid and high-concentration exfoliation of montmorillonite into high-quality and mono-layered nanosheets. <i>Nanoscale</i> , <b>2020</b> , 12, 17083-17092  | 7.7  | 8  |
| 145 | The Latest Research Progress of New Self-Repairing Energetic Composites□ <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 1807-1816   | 4.9  | 4  |
| 144 | Facile and high-concentration exfoliation of montmorillonite into mono-layered nanosheets and application in multifunctional waterborne polyurethane coating. <i>Applied Clay Science</i> , <b>2020</b> , 198, 105798 <sup>5.2</sup> | 5.2  | 6  |
| 143 | Improvement of mechanical properties of -prepared HTPE binder in propellants.. <i>RSC Advances</i> , <b>2020</b> , 10, 30150-30161   | 3.7  | 5  |
| 142 | Al/NiO nanocomposites for enhanced energetic properties: Preparation by polymer assembly method. <i>Materials and Design</i> , <b>2019</b> , 183, 108111   | 8.1  | 7  |
| 141 | Supramolecular Hexagonal Platelet Assemblies with Uniform and Precisely-Controlled Dimensions. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15498-15503  | 16.4 | 17 |
| 140 | Low gloss waterborne polyurethane coatings with anti-dripping and flame retardancy via montmorillonite nanosheets. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105273   | 4.8  | 14 |
| 139 | Azido-terminated Hyperbranched Multi-arm Copolymer as Energetic Macromolecular Plasticizer. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2019</b> , 44, 345-354   | 1.7  | 14 |
| 138 | Self-Healing Mechanism of Microcracks on Waterborne Polyurethane with Tunable Disulfide Bond Contents. <i>ACS Omega</i> , <b>2019</b> , 4, 1703-1714   | 3.9  | 36 |

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| 137 | Preparation of BiO/Al Core-Shell Energetic Composite by Two-Step Ball Milling Method and Its Application in Solid Propellant. <i>Materials</i> , <b>2019</b> , 12,  | 3.5  | 3  |
| 136 | Preparation and characterization of polybutadiene curing system by click chemistry. <i>Soft Materials</i> , <b>2019</b> , 17, 427-436   | 1.7  | 0  |
| 135 | One-pot universal initiation-growth methods from a liquid crystalline block copolymer. <i>Nature Communications</i> , <b>2019</b> , 10, 2397  | 17.4 | 21 |
| 134 | Study of the Interfacial Interaction Performance of Branched Bonding Agents and CL-20. <i>Materials</i> , <b>2019</b> , 12,   | 3.5  | 1  |
| 133 | Optically healable polyurethanes with tunable mechanical properties. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 2247-2255   | 4.9  | 7  |
| 132 | Novel waterborne polyurethanes containing long-chain alkanes: their synthesis and application to water repellency.. <i>RSC Advances</i> , <b>2019</b> , 9, 31357-31369  | 3.7  | 9  |
| 131 | Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode. <i>Small</i> , <b>2018</b> , 14, e1703361   | 11   | 82 |
| 130 | The study of mechanical and creep properties of glycidyl azide polyol energetic thermoplastic elastomer binder with bonding group with RDX and its interface reinforcement mechanism. <i>Materials Research Express</i> , <b>2018</b> , 5, 025309 | 1.7  | 8  |
| 129 | Thermal performance and decomposition kinetics of RDX/AP/SiO <sub>2</sub> intermolecular explosive. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 132, 1969-1978   | 4.1  | 5  |
| 128 | Probing the compatibility and interaction of energetic binders based on 3,3-bis(azidomethyl)oxetane with some explosives: thermal, interfacial and simulation studies. <i>Polymer International</i> , <b>2018</b> , 67, 132-140                   | 3.3  | 7  |
| 127 | Preparation and properties of semi-interpenetrating networks combined by thermoplastic polyurethane and a thermosetting elastomer. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 3087-3096  | 3.6  | 7  |
| 126 | Non-spherical polymersomes driven by directional aromatic interactions. <i>Science China Materials</i> , <b>2018</b> , 61, 437-438  | 7.1  | 3  |
| 125 | The mechanical behaviors of epoxy-terminated hyperbranched polyester (E-HBP) as toughener in different epoxy resins. <i>Advanced Composites and Hybrid Materials</i> , <b>2018</b> , 1, 310-319   | 8.7  | 14 |
| 124 | Multistep pyrolysis behavior of core-shell type hyperbranched azide copolymer: Kinetics and reaction mechanism via experiment and simulation. <i>Fuel</i> , <b>2018</b> , 224, 311-322  | 7.1  | 10 |
| 123 | Preparation and characterization of ultrafine Fe-O compound/ammonium perchlorate nanocomposites via in-suit growth method. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 258, 138-145   | 3.3  | 14 |
| 122 | Core-shell type multi-arm azide polymers based on hyperbranched copolyether as potential energetic materials in solid propellants. <i>Polymer International</i> , <b>2018</b> , 67, 68-77   | 3.3  | 7  |
| 121 | Lithium-Ion Batteries: Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode (Small 12/2018). <i>Small</i> , <b>2018</b> , 14, 1870053   | 11   | 0  |
| 120 | Study on Epoxy Resin Toughened by Epoxidized Hydroxy-Terminated Polybutadiene. <i>Materials</i> , <b>2018</b> , 11,   | 3.5  | 13 |

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| 119 | Toward Alleviating Voltage Decay by Sodium Substitution in Lithium-Rich Manganese-Based Oxide Cathodes. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4065-4074  | 6.1 | 24 |
| 118 | Simulation of GAP/HTPB phase behaviors in plasticizers and its application in composite solid propellant. <i>E-Polymers</i> , <b>2018</b> , 18, 529-540   | 2.7 | 10 |
| 117 | Influence of Polytetrafluorethylene on the Mechanical and Safety Properties of a Composite Modified Double Base Propellant. <i>Central European Journal of Energetic Materials</i> , <b>2018</b> , 15, 468-484                    | 1.3 | 2  |
| 116 | Improvement of the creep resistance of glycidyl azide polyol energetic thermoplastic elastomer-based propellant by nitrocellulose filler and its mechanism. <i>Journal of Elastomers and Plastics</i> , <b>2018</b> , 50, 579-595 | 1.6 | 2  |
| 115 | Preparation of Al/CuO/PG nanocomposite and catalytic effect on thermal decomposition of AP. <i>Integrated Ferroelectrics</i> , <b>2018</b> , 191, 151-157   | 0.8 | 1  |
| 114 | Synthesis and application of a cationic waterborne polyurethane fixative using quaternary ammonium diol as a chain extender.. <i>RSC Advances</i> , <b>2018</b> , 8, 42041-42048  | 3.7 | 10 |
| 113 | A Facile Way to Prolong Service Life of Double Base Propellant. <i>Materials</i> , <b>2018</b> , 11,  | 3.5 | 3  |
| 112 | Applying Mechanically Activated Al/PTFE in CMDB Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2018</b> , 43, 1105-1114  | 1.7 | 7  |
| 111 | High Azide Content Hyperbranched Star Copolymer as Energetic Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 13962-13972  | 3.9 | 13 |
| 110 | Thermal Behavior and Thermolysis Mechanisms of Ammonium Perchlorate under the Effects of Graphene Oxide-Doped Complexes of Triaminoguanidine. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 26956-26964             | 3.8 | 25 |
| 109 | Preparation and Evaluation of Effective Combustion Catalysts Based on Cu(I)/Pb(II) or Cu(II)/Bi(II) Nanocomposites Carried by Graphene Oxide (GO). <i>Propellants, Explosives, Pyrotechnics</i> , <b>2018</b> , 43, 1087-1095     | 1.7 | 10 |
| 108 | Thermostability and flame retardance of green functional two-component waterborne polyurethane coatings with nanoparticles. <i>Progress in Organic Coatings</i> , <b>2018</b> , 122, 119-128                                      | 4.8 | 12 |
| 107 | Preparation and properties of waterborne polyurethane modified by stearyl acrylate for water repellents <b>2018</b> , 15, 1283-1292   |     | 7  |
| 106 | A new strategy for the fabrication of high performance reactive microspheres via energetic polyelectrolyte assembly. <i>RSC Advances</i> , <b>2017</b> , 7, 904-913   | 3.7 | 4  |
| 105 | Effect of Bonding Agent on the Mechanical Properties of GAP High-Energy Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2017</b> , 42, 394-400  | 1.7 | 23 |
| 104 | Synthesis and Characterization of Halogen-Free Flame Retardant Two-Component Waterborne Polyurethane by Different Modification. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 17913-1802             | 3.9 | 37 |
| 103 | Fabrication and properties of glycidyl azide polymer-modified nitrocellulose spherical powders. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 129, 1555-1562   | 4.1 | 13 |
| 102 | Influence of diisocyanate types on properties of chain-extended poly(3,3-bis(azidomethyl)oxetane). <i>Soft Materials</i> , <b>2017</b> , 15, 205-213  | 1.7 | 5  |

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|-----|---|-----|----|
| 101 | Kinetics of Bu-NENA Evaporation from Bu-NENA/NC Propellant Determined by Isothermal Thermogravimetry. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2017</b> , 42, 253-259  | 1.7 | 7  |
| 100 | Amphiphilic block copolymer poly(lactic acid)-block-(glycidylazide polymer)-block-polystyrene: synthesis and self-assembly. <i>Polymer International</i> , <b>2017</b> , 66, 1037-1043  | 3.3 | 2  |
| 99  | Silicon hollow sphere anode with enhanced cycling stability by a template-free method. <i>Nanotechnology</i> , <b>2017</b> , 28, 165404   | 3.4 | 30 |
| 98  | Study on bulk preparation and properties of glycidyl azide polymer with hydroxyl-terminated polyether elastomers obtained through step-wise curing process. <i>Colloid and Polymer Science</i> , <b>2017</b> , 295, 637-646                 | 2.4 | 2  |
| 97  | Compatibility, mechanical and thermal properties of GAP/P(EO-co-THF) blends obtained upon a urethane-curing reaction. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 4607-4618   | 2.4 | 7  |
| 96  | Effect of nitrocellulose (NC) on morphology, rheological and mechanical properties of glycidyl azide polymer based energetic thermoplastic elastomer/NC blends. <i>Polymer International</i> , <b>2017</b> , 66, 705-711                    | 3.3 | 12 |
| 95  | Influence of synergism caused by organic montmorillonite and nanometer calcium carbonate on mechanical properties and crystallization of polyamide 1010-based composites. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 1314-1322          | 2   | 1  |
| 94  | Organoboron-Based Photochromic Copolymers for Erasable Writing and Patterning. <i>Macromolecules</i> , <b>2017</b> , 50, 4629-4638  | 5.5 | 45 |
| 93  | A constitutive model for understanding the mechanical response of energetic polymers to the strain rate and temperature. <i>Soft Materials</i> , <b>2017</b> , 15, 13-26  | 1.7 | 3  |
| 92  | Preparation and curing behavior of high-stress solid propellant binder based on polydicyclopentadiene. <i>High Performance Polymers</i> , <b>2017</b> , 29, 931-936   | 1.6 | 8  |
| 91  | Effect of preparation methods on the structure and catalytic thermal decomposition application of graphene/Fe <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 127, 2173-2179 | 4.1 | 11 |
| 90  | Effects of hydrophilic groups of curing agents on the properties of flame-retardant two-component waterborne coatings. <i>Colloid and Polymer Science</i> , <b>2017</b> , 295, 2423-2431  | 2.4 | 8  |
| 89  | Preparation and Characterization of Efficient Flame-Retardant and Thermostability Two-Component Aqueous Varnish Coatings. <i>Polymer Science - Series B</i> , <b>2017</b> , 59, 697-707   | 0.8 | 2  |
| 88  | Synthesis and Characterization of Multifunctional Two-Component Waterborne Polyurethane Coatings: Fluorescence, Thermostability and Flame Retardancy. <i>Polymers</i> , <b>2017</b> , 9,  | 4.5 | 16 |
| 87  | Performance and Kinetics Study of Self-Repairing Hydroxyl-Terminated Polybutadiene Binders Based on the Diels-Alder Reaction. <i>Polymers</i> , <b>2017</b> , 9,  | 4.5 | 10 |
| 86  | Research on the Mechanical Properties and Curing Networks of Energetic GAP/TDI Binders. <i>Central European Journal of Energetic Materials</i> , <b>2017</b> , 14, 708-725  | 1.3 | 10 |
| 85  | Graphene/nickel aerogel: an effective catalyst for the thermal decomposition of ammonium perchlorate. <i>RSC Advances</i> , <b>2016</b> , 6, 82112-82117  | 3.7 | 12 |
| 84  | Monodisperse Cylindrical Micelles of Controlled Length with a Liquid-Crystalline Perfluorinated Core by 1D Self-Seeding. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11564-11568  | 3.6 | 9  |

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| 83 | Different catalytic systems on hydroxyl-terminated GAP and PET with poly-isocyanate: Curing kinetics study using dynamic in situ IR spectroscopy. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2016</b> , 21, 495-503  | 1.7 | 10 |
| 82 | Effects of water on the ballistic performance of para-aramid fabrics: three different projectiles. <i>Textile Reseach Journal</i> , <b>2016</b> , 86, 1372-1384  | 1.7 | 5  |
| 81 | A kind of bonding functional energetic thermoplastic elastomers based on glycidyl azide polymer. <i>Journal of Elastomers and Plastics</i> , <b>2016</b> , 48, 728-738   | 1.6 | 2  |
| 80 | Properties and application of a novel type of glycidyl azide polymer modified double-base spherical powders. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 124, 107-115   | 4.1 | 8  |
| 79 | A crystalline bisindolylmaleimide with strong solid-state fluorescence of red color and its analogous cross-linked polymer without fluorescence. <i>Designed Monomers and Polymers</i> , <b>2016</b> , 19, 172-179   | 3.1 | 1  |
| 78 | Energetic hybrid polymer network (EHPN) through facile sequential polyurethane curation based on the reactivity differences between glycidyl azide polymer and hydroxyl terminated polybutadiene. <i>RSC Advances</i> , <b>2016</b> , 6, 11032-11039   | 3.7 | 10 |
| 77 | Research on structures, mechanical properties, and mechanical responses of TKX-50 and TKX-50 based PBX with molecular dynamics. <i>Journal of Molecular Modeling</i> , <b>2016</b> , 22, 43  | 2   | 20 |
| 76 | Fabrication and thermal decomposition of glycidyl azide polymer modified nitrocellulose double base propellants. <i>Science China Chemistry</i> , <b>2016</b> , 59, 472-477  | 7.9 | 10 |
| 75 | Thermal and mechanical properties of two kinds of hydroxyl-terminated polyether prepolymers and the corresponding polyurethane elastomers. <i>Journal of Elastomers and Plastics</i> , <b>2016</b> , 48, 546-560   | 1.6 | 8  |
| 74 | Flame retardancy and thermal degradation mechanism of a novel post-chain extension flame retardant waterborne polyurethane. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 123, 36-46  | 4.7 | 41 |
| 73 | Synthesis of a novel UV crosslinking waterborne siloxane-polyurethane. <i>Progress in Organic Coatings</i> , <b>2016</b> , 90, 304-308   | 4.8 | 16 |
| 72 | A well-defined nitro-functionalized aromatic framework (NO <sub>2</sub> -PAF-1) with high CO <sub>2</sub> adsorption: synthesis via the copper-mediated Ullmann homo-coupling polymerization of a nitro-containing monomer. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 770-774  | 4.9 | 25 |
| 71 | Synthesis and thermal decomposition of 3,3-bis-azidomethyl oxetane-3-azidomethyl-3-methyl oxetane random copolymer. <i>Soft Materials</i> , <b>2016</b> , 14, 9-14   | 1.7 | 5  |
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| 55 | Tuning the reactivity of Al/Fe <sub>2</sub> O <sub>3</sub> nanoenergetic materials via an approach combining soft template self-assembly with sol-gel process process. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 230, 1-7 | 3.3  | 25 |
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| 53 | Mechanical and thermal properties of mesogen-jacketed liquid crystalline polymer/epoxy resin composites. <i>Science China Chemistry</i> , <b>2015</b> , 58, 1021-1026   | 7.9  | 1  |
| 52 | The thermal decomposition mechanism of nitrocellulose aerogel. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2015</b> , 121, 901-908  | 4.1  | 18 |
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