

Yunjun Luo

List of Publications by Citations

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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	Mechanically strong and highly conductive graphene aerogel and its use as electrodes for electrochemical power sources. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6494		818
189	Alkali-treated graphene oxide as a solid base catalyst: synthesis and electrochemical capacitance of graphene/carbon composite aerogels. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18537		102
188	Conducting polymer aerogels from supercritical CO ₂ drying PEDOT-PSS hydrogels. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5080		92
187	Monodisperse Cylindrical Micelles of Controlled Length with a Liquid-Crystalline Perfluorinated Core by 1D "Self-Seeding". <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11392-6	16.4	84
186	Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode. <i>Small</i> , 2018 , 14, e1703361	11	82
185	Application of photoluminescent CdS/PAMAM nanocomposites in fingerprint detection. <i>Forensic Science International</i> , 2008 , 179, 34-8	2.6	73
184	Synthesis, characterization and properties of a novel fluorinated polyurethane. <i>European Polymer Journal</i> , 2009 , 45, 530-536	5.2	72
183	Synthesis and characterization of siloxane-modified two-component waterborne polyurethane. <i>Progress in Organic Coatings</i> , 2013 , 76, 1522-1526	4.8	50
182	Organoboron-Based Photochromic Copolymers for Erasable Writing and Patterning. <i>Macromolecules</i> , 2017 , 50, 4629-4638	5.5	45
181	Preparation and characterization of graphene aerogel/Fe ₂ O ₃ /ammonium perchlorate nanostructured energetic composite. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 161-167	2.3	43
180	Flame retardancy and thermal degradation mechanism of a novel post-chain extension flame retardant waterborne polyurethane. <i>Polymer Degradation and Stability</i> , 2016 , 123, 36-46	4.7	41
179	Synthesis and Characterization of Halogen-Free Flame Retardant Two-Component Waterborne Polyurethane by Different Modification. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 17911-1802	3.9	37
178	Self-Healing Mechanism of Microcracks on Waterborne Polyurethane with Tunable Disulfide Bond Contents. <i>ACS Omega</i> , 2019 , 4, 1703-1714	3.9	36
177	Sol-gel method to prepare graphene/Fe ₂ O ₃ aerogel and its catalytic application for the thermal decomposition of ammonium perchlorate. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	34
176	A Novel Ammonium Perchlorate/Graphene Aerogel Nanostructured Energetic Composite: Preparation and Thermal Decomposition. <i>Science of Advanced Materials</i> , 2014 , 6, 530-537	2.3	33
175	Silicon hollow sphere anode with enhanced cycling stability by a template-free method. <i>Nanotechnology</i> , 2017 , 28, 165404	3.4	30
174	Ferrocene End-Cap Hyperbranched Poly (amine-ester): Structure and Catalytic Performance for Thermal Decomposition of Ammonium Perchlorate. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 175-181	3.2	30

173	Preparation and characterization of the AP/Al/Fe ₂ O ₃ ternary nano-thermites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 118, 43-49	4.1	28
172	Flame retardant modification of waterborne polyurethane fabric coating agent with high hydrostatic pressure resistance. <i>Progress in Organic Coatings</i> , 2016 , 97, 91-98	4.8	28
171	Investigation of the Redox Property, Migration and Catalytic Performance of Ferrocene-Modified Hyperbranched Poly(amine) Ester. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 315-324	3.2	27
170	Flame Retardancy and Thermal Decomposition of Phosphorus-Containing Waterborne Polyurethanes Modified by Halogen-Free Flame Retardants. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2431-2438	3.9	25
169	Tuning the reactivity of Al/Fe ₂ O ₃ nanoenergetic materials via an approach combining soft template self-assembly with sol-gel process process. <i>Journal of Solid State Chemistry</i> , 2015 , 230, 1-7	3.3	25
168	A well-defined nitro-functionalized aromatic framework (NO ₂ -PAF-1) with high CO ₂ adsorption: synthesis via the copper-mediated Ullmann homo-coupling polymerization of a nitro-containing monomer. <i>Polymer Chemistry</i> , 2016 , 7, 770-774	4.9	25
167	Preparation and Properties of an AP/RDX/SiO ₂ Nanocomposite Energetic Material by the Sol-Gel Method. <i>Propellants, Explosives, Pyrotechnics</i> , 2012 , 37, 422-426	1.7	25
166	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> , 2018 , 122, 26956-26964	3.8	25
165	Toward Alleviating Voltage Decay by Sodium Substitution in Lithium-Rich Manganese-Based Oxide Cathodes. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4065-4074	6.1	24
164	Effect of Bonding Agent on the Mechanical Properties of GAP High-Energy Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 394-400	1.7	23
163	Properties and Application of a Novel Type of Glycidyl Azide Polymer (GAP)-Modified Nitrocellulose Powders. <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 67-73	1.7	22
162	Preparation of New Hole Transport Polymers via Copolymerization of N,N'-Diphenyl-N,N'-bis(4-alkylphenyl)benzidine (TPD) Derivatives with 1,4-Divinylbenzene. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 739-747	2.6	22
161	Novel Segmented Thermoplastic Polyurethanes Elastomers Based on Tetrahydrofuran Ethylene Oxide Copolyethers as High Energetic Propellant Binders. <i>Propellants, Explosives, Pyrotechnics</i> , 2003 , 28, 7-11	1.7	22
160	One-pot universal initiation-growth methods from a liquid crystalline block copolymer. <i>Nature Communications</i> , 2019 , 10, 2397	17.4	21
159	Improvement of mechanical characteristics of glycidyl azide polymer binder system by addition of flexible polyether. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	21
158	Synthesis and characterization of novel energetic thermoplastic elastomers based on glycidyl azide polymer (GAP) with bonding functions. <i>Polymer Bulletin</i> , 2015 , 72, 1835-1847	2.4	20
157	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> , 2016 , 22, 43	2	20
156	Synthesis and characterization of novel post-chain extension flame retardant waterborne polyurethane. <i>RSC Advances</i> , 2015 , 5, 97710-97719	3.7	19

155	Preparation and properties of NC/RDX/AP nano-composite energetic materials by the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 76, 58-65	2.3	19
154	The thermal decomposition mechanism of nitrocellulose aerogel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 901-908	4.1	18
153	Halogen-free flame-retardant waterborne polyurethane with a novel cyclic structure of phosphorus-nitrogen synergistic flame retardant. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	18
152	A novel method of hyperbranched poly(amide-ester) modifying nano-SiO ₂ and study of mechanical properties of PVC/nano-SiO ₂ composites. <i>Polymer Composites</i> , 2008 , 29, 1014-1019	3	18
151	Supramolecular Hexagonal Platelet Assemblies with Uniform and Precisely-Controlled Dimensions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15498-15503	16.4	17
150	Synthesis of a novel UV crosslinking waterborne siloxane-polyurethane. <i>Progress in Organic Coatings</i> , 2016 , 90, 304-308	4.8	16
149	Preparation and characterization of Al/B/Fe ₂ O ₃ nanothermites. <i>Science China Chemistry</i> , 2014 , 57, 797-803	3.0	16
148	Synthesis and Characterization of Multifunctional Two-Component Waterborne Polyurethane Coatings: Fluorescence, Thermostability and Flame Retardancy. <i>Polymers</i> , 2017 , 9,	4.5	16
147	Synthesis and properties of RDX/GAP nano-composite energetic materials. <i>Colloid and Polymer Science</i> , 2015 , 293, 2269-2279	2.4	16
146	Energetic interpenetrating polymer network based on orthogonal azido-alkyne click and polyurethane for potential solid propellant. <i>RSC Advances</i> , 2015 , 5, 64478-64485	3.7	15
145	Synthesis and Characterization of 3,3'-Bisazidomethyl Oxetane-3-Azidomethyl-3'-Methyl Oxetane Alternative Block Energetic Thermoplastic Elastomer. <i>Propellants, Explosives, Pyrotechnics</i> , 2012 , 37, 235-240	1.7	15
144	Pervaporation properties of EC membrane crosslinked by hyperbranched-polyester acrylate. <i>Journal of Membrane Science</i> , 2007 , 303, 183-193	9.6	15
143	Synthesis and characterization of phosphorus-containing waterborne polyurethanes: Effects of the organophosphonate content on the flame retardancy, morphology, and film properties. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3107-3115	2.9	15
142	Low gloss waterborne polyurethane coatings with anti-dripping and flame retardancy via montmorillonite nanosheets. <i>Progress in Organic Coatings</i> , 2019 , 136, 105273	4.8	14
141	Azido-terminated Hyperbranched Multi-arm Copolymer as Energetic Macromolecular Plasticizer. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 345-354	1.7	14
140	The mechanical behaviors of epoxy-terminated hyperbranched polyester (E-HBP) as toughener in different epoxy resins. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 310-319	8.7	14
139	Preparation and characterization of ultrafine Fe-O compound/ammonium perchlorate nanocomposites via in-suit growth method. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 138-145	3.3	14
138	Synthesis of Poly(3,3-Bis-Azidomethyl Oxetane) via Direct Azidation of Poly(3,3-Bis-Bromo Oxetane). <i>Propellants, Explosives, Pyrotechnics</i> , 2010 , 35, 423-424	1.7	14

137	Fabrication and properties of glycidyl azide polymer-modified nitrocellulose spherical powders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 129, 1555-1562	4.1	13
136	Study on Epoxy Resin Toughened by Epoxidized Hydroxy-Terminated Polybutadiene. <i>Materials</i> , 2018 , 11,	3.5	13
135	Synthesis and Characterization of Poly(3-azidomethyl-3-methyl oxetane) by the Azidation of Poly(3-mesyloxymethyl-3-methyl oxetane). <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 920-926	1.7	13
134	Mechanical properties and thermal decomposition of PBAMO/GAP random block ETPE. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 717-724	4.1	13
133	High Azide Content Hyperbranched Star Copolymer as Energetic Materials. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13962-13972	3.9	13
132	Effect of nitrocellulose (NC) on morphology, rheological and mechanical properties of glycidyl azide polymer based energetic thermoplastic elastomer/NC blends. <i>Polymer International</i> , 2017 , 66, 705-711	3.3	12
131	Graphene/nickel aerogel: an effective catalyst for the thermal decomposition of ammonium perchlorate. <i>RSC Advances</i> , 2016 , 6, 82112-82117	3.7	12
130	Thermal Behaviors of Ferrocenyl-Terminated Hyperbranched Polyester. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010 , 20, 278-283	3.2	12
129	Energetic interpenetrating polymer network (EIPN): enhanced thermo-mechanical properties of NCO-fMWCNTs/HTPB PU and alkyne-fMWCNTs/acyl-GAP based nanocomposite and its propellants. <i>RSC Advances</i> , 2016 , 6, 49101-49112	3.7	12
128	Thermostability and flame retardance of green functional two-component waterborne polyurethane coatings with nanoparticles. <i>Progress in Organic Coatings</i> , 2018 , 122, 119-128	4.8	12
127	Effect of preparation methods on the structure and catalytic thermal decomposition application of graphene/Fe ₂ O ₃ nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 2173-2179	4.1	11
126	Multistep pyrolysis behavior of core-shell type hyperbranched azide copolymer: Kinetics and reaction mechanism via experiment and simulation. <i>Fuel</i> , 2018 , 224, 311-322	7.1	10
125	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> , 2016 , 21, 495-503	1.7	10
124	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> , 2016 , 6, 11032-11039	3.7	10
123	Fabrication and thermal decomposition of glycidyl azide polymer modified nitrocellulose double base propellants. <i>Science China Chemistry</i> , 2016 , 59, 472-477	7.9	10
122	Simulation of GAP/HTPB phase behaviors in plasticizers and its application in composite solid propellant. <i>E-Polymers</i> , 2018 , 18, 529-540	2.7	10
121	Thermal decomposition of energetic thermoplastic elastomers of poly(glycidyl nitrate). <i>Journal of Applied Polymer Science</i> , 2014 , 131,	2.9	10
120	Performance and Kinetics Study of Self-Repairing Hydroxyl-Terminated Polybutadiene Binders Based on the Diels-Alder Reaction. <i>Polymers</i> , 2017 , 9,	4.5	10

119	Study of Surface Properties of Novel Fluorinated Polyurethanes with Fluorine-Containing Pendent Groups. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008 , 46, 215-221	2.2	10
118	Research on the Mechanical Properties and Curing Networks of Energetic GAP/TDI Binders. <i>Central European Journal of Energetic Materials</i> , 2017 , 14, 708-725	1.3	10
117	Synthesis and application of a cationic waterborne polyurethane fixative using quaternary ammonium diol as a chain extender.. <i>RSC Advances</i> , 2018 , 8, 42041-42048	3.7	10
116	Preparation and Evaluation of Effective Combustion Catalysts Based on Cu(I)/Pb(II) or Cu(II)/Bi(III) Nanocomposites Carried by Graphene Oxide (GO). <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1087-1095	1.7	10
115	One-pot synthesis of bio-based polycarbonates from dimethyl carbonate and isosorbide under metal-free condition. <i>Green Chemistry</i> , 2020 , 22, 4550-4560	10	9
114	Monodisperse Cylindrical Micelles of Controlled Length with a Liquid-Crystalline Perfluorinated Core by 1D Self-Seeding. <i>Angewandte Chemie</i> , 2016 , 128, 11564-11568	3.6	9
113	Effect of hard-segment content on rheological properties of glycidyl azide polyol-based energetic thermoplastic polyurethane elastomers. <i>Polymer Bulletin</i> , 2016 , 73, 3095-3104	2.4	9
112	Novel waterborne polyurethanes containing long-chain alkanes: their synthesis and application to water repellency.. <i>RSC Advances</i> , 2019 , 9, 31357-31369	3.7	9
111	Cross-linking network structures and mechanical properties of novel HTPE/PCL binder for solid propellant. <i>Polymer Bulletin</i> , 2021 , 78, 313-334	2.4	9
110	Room-Temperature Self-Healing and Reprocessable Waterborne Polyurethane with Dynamically Exchangeable Disulfide Bonds. <i>ChemistrySelect</i> , 2020 , 5, 4608-4618	1.8	8
109	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> , 2018 , 5, 025309	1.7	8
108	Properties and application of a novel type of glycidyl azide polymer modified double-base spherical powders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 107-115	4.1	8
107	Thermal and mechanical properties of two kinds of hydroxyl-terminated polyether prepolymers and the corresponding polyurethane elastomers. <i>Journal of Elastomers and Plastics</i> , 2016 , 48, 546-560	1.6	8
106	Preparation and curing behavior of high-stress solid propellant binder based on polydicyclopentadiene. <i>High Performance Polymers</i> , 2017 , 29, 931-936	1.6	8
105	Effects of hydrophilic groups of curing agents on the properties of flame-retardant two-component waterborne coatings. <i>Colloid and Polymer Science</i> , 2017 , 295, 2423-2431	2.4	8
104	Synthesis, characterization, and properties of amphiphilic block copolymer of acrylamide-styrene by self-emulsifying microemulsion method. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1457-1463	2.9	8
103	Rapid and high-concentration exfoliation of montmorillonite into high-quality and mono-layered nanosheets. <i>Nanoscale</i> , 2020 , 12, 17083-17092	7.7	8
102	Kinetics of Bu-NENA Evaporation from Bu-NENA/NC Propellant Determined by Isothermal Thermogravimetry. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 253-259	1.7	7

101	Compatibility, mechanical and thermal properties of GAP/P(EO-co-THF) blends obtained upon a urethane-curing reaction. <i>Polymer Bulletin</i> , 2017 , 74, 4607-4618	2.4	7
100	Al/NiO nanocomposites for enhanced energetic properties: Preparation by polymer assembly method. <i>Materials and Design</i> , 2019 , 183, 108111	8.1	7
99	Optically healable polyurethanes with tunable mechanical properties. <i>Polymer Chemistry</i> , 2019 , 10, 2247-2255	4.9	7
98	Polyglycidyl nitrate (PGN)-based energetic thermoplastic polyurethane elastomers with bonding functions. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	7
97	Aggregation-induced emission from the crowded coronal chains of block copolymer micelles. <i>Polymer Chemistry</i> , 2020 , 11, 4706-4713	4.9	7
96	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> , 2018 , 67, 132-140	3.3	7
95	Preparation and properties of semi-interpenetrating networks combined by thermoplastic polyurethane and a thermosetting elastomer. <i>New Journal of Chemistry</i> , 2018 , 42, 3087-3096	3.6	7
94	Core-shell type multi-arm azide polymers based on hyperbranched copolyether as potential energetic materials in solid propellants. <i>Polymer International</i> , 2018 , 67, 68-77	3.3	7
93	Preparation and Property Studies of Carbon Nanotubes Covalent Modified BAMO-AMMO Energetic Binders. <i>Journal of Energetic Materials</i> , 2015 , 33, 305-314	1.6	7
92	Preparation and Characterization of Hexahydro-1,3,5-trinitro-1,3,5-triazine/Ammonium Perchlorate Intermolecular Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 641-644	1.7	7
91	Preparation and characterization of GA/RDX nanostructured energetic composites. <i>Bulletin of Materials Science</i> , 2016 , 39, 1701-1707	1.7	7
90	Applying Mechanically Activated Al/PTFE in CMDB Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1105-1114	1.7	7
89	Preparation and properties of waterborne polyurethane modified by stearyl acrylate for water repellents 2018 , 15, 1283-1292		7
88	The synthesis of polymeric dyes based on waterborne polyurethane: a reaction kinetics study using UV absorption spectroscopy. <i>New Journal of Chemistry</i> , 2020 , 44, 2930-2940	3.6	6
87	Ultrafine dispersion of a phosphate nucleating agent in a polypropylene matrix via the microemulsion method. <i>RSC Advances</i> , 2014 , 4, 11931	3.7	6
86	Thermal decomposition kinetics of poly(3,3'-bisazidomethyl oxetane-3-azidomethyl-3'-methyl oxetane). <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1515-1523	4.1	6
85	Methoxycarbonyl-terminated hyperbranched poly(amine-ester) as templates for synthesis of silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1133-1138	2.3	6
84	Dependence of Property of Silver Nanoparticles within Dendrimer-template on Molar Ratios of Ag ⁺ to PAMAM Dendrimers. <i>Chinese Journal of Chemistry</i> , 2010 , 28, 633-638	4.9	6

83	The Use of Inverse Gas Chromatography (IGC) to Determine the Surface Energy of RDX. <i>Propellants, Explosives, Pyrotechnics</i> , 2007 , 32, 496-501	1.7	6
82	Pervaporation properties of EC membranes modified by aliphatic hyperbranched polyester. <i>Journal of Membrane Science</i> , 2008 , 325, 592-598	9.6	6
81	Synthesis and Characterization of Environmentally-Friendly Self-Matting Waterborne Polyurethane Coatings. <i>Coatings</i> , 2020 , 10, 494	2.9	6
80	Facile and high-concentration exfoliation of montmorillonite into mono-layered nanosheets and application in multifunctional waterborne polyurethane coating. <i>Applied Clay Science</i> , 2020 , 198, 105798 ⁵⁻²	5.2	6
79	Preparation and performance evaluation of phosphorus-nitrogen synergism flame-retardant water-borne coatings for cotton and polyester fabrics. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	6
78	Glycidyl azide polymer-based polyurethane vitrimers with disulfide chain extenders. <i>Polymer Chemistry</i> , 2021 , 12, 4072-4082	4.9	6
77	Eco-friendly functional two-component flame-retardant waterborne polyurethane coatings: a review. <i>Polymer Chemistry</i> ,	4.9	6
76	Influence of diisocyanate types on properties of chain-extended poly(3,3-bis(azidomethyl)oxetane). <i>Soft Materials</i> , 2017 , 15, 205-213	1.7	5
75	Morphology-controlled synthesis of Al/Fe ₂ O ₃ nano-composites via electrospinning. <i>Chinese Chemical Letters</i> , 2015 , 26, 1535-1537	8.1	5
74	Enhancing the Performance of an HTPE Binder by Adding a Novel Hyperbranched Multi-Arm Azide Copolyether. <i>Propellants, Explosives, Pyrotechnics</i> , 2020 , 45, 1065-1076	1.7	5
73	Thermal performance and decomposition kinetics of RDX/AP/SiO ₂ intermolecular explosive. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 1969-1978	4.1	5
72	Effects of water on the ballistic performance of para-aramid fabrics: three different projectiles. <i>Textile Reseach Journal</i> , 2016 , 86, 1372-1384	1.7	5
71	Synthesis and thermal decomposition of 3,3-bis-azidomethyl oxetane-3-azidomethyl-3-methyl oxetane random copolymer. <i>Soft Materials</i> , 2016 , 14, 9-14	1.7	5
70	Hierarchically ordered ABA triblock copolymer with large difference in glass transition temperatures of the two blocks. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 1737-1744	2.5	5
69	Synthesis and Characterization of Dendrimer-Encapsulated Bimetallic Core-Shell PdPt Nanoparticles. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 541-546	4.9	5
68	A Novel Polymer Electrolyte Matrix Incorporating Ionic Liquid into Waterborne Polyurethane for Lithium-Ion Battery. <i>Polymers</i> , 2020 , 12,	4.5	5
67	Improvement of mechanical properties of -prepared HTPE binder in propellants.. <i>RSC Advances</i> , 2020 , 10, 30150-30161	3.7	5
66	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> , 2021 , 98, 559-567	2.3	5

65	Supramicellar Nanofibrils with End-to-End Coupled Uniform Cylindrical Micelle Subunits via One-Step Assembly from a Liquid Crystalline Block Copolymer. <i>Macromolecules</i> , 2021 , 54, 6845-6853	5.5	5
64	Characterization of P(BAMO/AMMO) ETPE Prepared Using Different Diisocyanates. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 850-854	1.7	5
63	Promoting healing progress in polymer composites based on Diels-Alder reaction by constructing silver bridges. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 1239-1250	3.2	5
62	A new strategy for the fabrication of high performance reactive microspheres via energetic polyelectrolyte assembly. <i>RSC Advances</i> , 2017 , 7, 904-913	3.7	4
61	Studies on the Non-isothermal Crystallization Behavior of Aluminum Nanopowder-Filled Poly(3,3-bis-azidomethyl Oxetane). <i>Propellants, Explosives, Pyrotechnics</i> , 2010 , 35, 159-163	1.7	4
60	Synthesis and application of a phosphorus-containing waterborne polyurethane based polymeric dye with excellent flame retardancy. <i>Progress in Organic Coatings</i> , 2020 , 140, 105525	4.8	4
59	The Latest Research Progress of New Self-Repairing Energetic Composites. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1807-1816	4.9	4
58	Rationally Constructed Surface Energy and Dynamic Hard Domains Balance Mechanical Strength and Self-Healing Efficiency of Energetic Linear Polymer Materials. <i>Langmuir</i> , 2021 , 37, 8997-9008	4	4
57	Research development on graphitic carbon nitride and enhanced catalytic activity on ammonium perchlorate.. <i>RSC Advances</i> , 2021 , 11, 5729-5740	3.7	4
56	Matte waterborne polyurethane fabric nanocoating with versatility via mono-layered montmorillonite nanosheets. <i>Progress in Organic Coatings</i> , 2021 , 159, 106420	4.8	4
55	Preparation of BiO/Al Core-Shell Energetic Composite by Two-Step Ball Milling Method and Its Application in Solid Propellant. <i>Materials</i> , 2019 , 12,	3.5	3
54	The bisindolylmaleimides with anti-parallel conformation by N-dodecyl chains on indole rings: thermal property and intensive solid-state fluorescence in single crystal. <i>RSC Advances</i> , 2015 , 5, 84547-84552	2.7	3
53	Non-spherical polymersomes driven by directional aromatic interactions. <i>Science China Materials</i> , 2018 , 61, 437-438	7.1	3
52	A constitutive model for understanding the mechanical response of energetic polymers to the strain rate and temperature. <i>Soft Materials</i> , 2017 , 15, 13-26	1.7	3
51	Effects of different ionizable groups on the thermal properties of waterborne polyurethanes used in bulletproof composites. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	3
50	Preparation and properties of waterborne siloxane-containing polyurethane for moisture permeable textile coating. <i>E-Polymers</i> , 2011 , 11,	2.7	3
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