

# Yunjun Luo

## List of Publications by Year in descending order

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198  
papers

4,345  
citations

159525

30  
h-index

155592

55  
g-index

200  
all docs

200  
docs citations

200  
times ranked

4912  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.7	915
2	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.	6.7	114
3	Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode. <i>Small</i> , 2018, 14, e1703361.	5.2	112
4	Conducting polymer aerogels from supercritical CO <sub>2</sub> drying PEDOT-PSS hydrogels. <i>Journal of Materials Chemistry</i> , 2010, 20, 5080.	6.7	109
5	Monodisperse Cylindrical Micelles of Controlled Length with a Liquid-Crystalline Perfluorinated Core by 1D "Self-Seeding". <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11392-11396.	7.2	108
6	Application of photoluminescent CdS/PAMAM nanocomposites in fingerprint detection. <i>Forensic Science International</i> , 2008, 179, 34-38.	1.3	82
7	Synthesis, characterization and properties of a novel fluorinated polyurethane. <i>European Polymer Journal</i> , 2009, 45, 530-536.	2.6	78
8	Self-Healing Mechanism of Microcracks on Waterborne Polyurethane with Tunable Disulfide Bond Contents. <i>ACS Omega</i> , 2019, 4, 1703-1714.	1.6	70
9	Synthesis and characterization of siloxane-modified two-component waterborne polyurethane. <i>Progress in Organic Coatings</i> , 2013, 76, 1522-1526.	1.9	61
10	Organoboron-Based Photochromic Copolymers for Erasable Writing and Patterning. <i>Macromolecules</i> , 2017, 50, 4629-4638.	2.2	58
11	Preparation and characterization of graphene aerogel/Fe <sub>2</sub> O <sub>3</sub> /ammonium perchlorate nanostructured energetic composite. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 161-167.	1.1	56
12	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.	2.7	46
13	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.	1.5	46
14	Synthesis and Characterization of Halogen-Free Flame Retardant Two-Component Waterborne Polyurethane by Different Modification. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 1791-1802.	1.8	43
15	Sol-gel method to prepare graphene/Fe <sub>2</sub> O <sub>3</sub> aerogel and its catalytic application for the thermal decomposition of ammonium perchlorate. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	42
16	Flame Retardancy and Thermal Decomposition of Phosphorus-Containing Waterborne Polyurethanes Modified by Halogen-Free Flame Retardants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 2431-2438.	1.8	41
17	One-pot universal initiation-growth methods from a liquid crystalline block copolymer. <i>Nature Communications</i> , 2019, 10, 2397.	5.8	39
18	Flame retardant modification of waterborne polyurethane fabric coating agent with high hydrostatic pressure resistance. <i>Progress in Organic Coatings</i> , 2016, 97, 91-98.	1.9	37

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19	A Novel Ammonium Perchlorate/Graphene Aerogel Nanostructured Energetic Composite: Preparation and Thermal Decomposition. <i>Science of Advanced Materials</i> , 2014, 6, 530-537.	0.1	37
20	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, .	1.3	36
21	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.	1.7	35
22	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> , 2016, 7, 770-774.	1.9	35
23	Effect of Bonding Agent on the Mechanical Properties of GAP High-Energy Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 394-400.	1.0	35
24	Preparation and Properties of an AP/RDX/SiO <sub>2</sub> Nanocomposite Energetic Material by the Sol-Gel Method. <i>Propellants, Explosives, Pyrotechnics</i> , 2012, 37, 422-426.	1.0	34
25	Preparation and characterization of the AP/Al/Fe <sub>2</sub> O <sub>3</sub> ternary nano-thermites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 43-49.	2.0	33
26	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. <i>Journal of Solid State Chemistry</i> , 2015, 230, 1-7.	1.4	33
27	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.	0.8	33
28	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.	1.9	32
29	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.	1.1	32
30	Properties and Application of a Novel Type of Glycidyl Azide Polymer (GAP)-Modified Nitrocellulose Powders. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 67-73.	1.0	32
31	Toward Alleviating Voltage Decay by Sodium Substitution in Lithium-Rich Manganese-Based Oxide Cathodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 4065-4074.	2.5	32
32	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.	1.9	31
33	Silicon hollow sphere anode with enhanced cycling stability by a template-free method. <i>Nanotechnology</i> , 2017, 28, 165404.	1.3	31
34	The thermal decomposition mechanism of nitrocellulose aerogel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 901-908.	2.0	30
35	Supramolecular Hexagonal Platelet Assemblies with Uniform and Precisely-Controlled Dimensions. <i>Journal of the American Chemical Society</i> , 2019, 141, 15498-15503.	6.6	30
36	Improvement of mechanical characteristics of glycidyl azide polymer binder system by addition of flexible polyether. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	28

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37	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.	1.0	26
38	Synthesis and Characterization of 3,3'-Bis(azidomethyl) Oxetane-3,3'-Azidomethyl-3,3'-Methyl Oxetane Alternative Block Energetic Thermoplastic Elastomer. <i>Propellants, Explosives, Pyrotechnics</i> , 2012, 37, 235-240.	1.0	26
39	Preparation and characterization of Al/B/Fe <sub>2</sub> O <sub>3</sub> nanothermites. <i>Science China Chemistry</i> , 2014, 57, 797-802.	4.2	25
40	Synthesis and Characterization of Multifunctional Two-Component Waterborne Polyurethane Coatings: Fluorescence, Thermostability and Flame Retardancy. <i>Polymers</i> , 2017, 9, 492.	2.0	25
41	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.	1.1	24
42	Synthesis and characterization of novel post-chain extension flame retardant waterborne polyurethane. <i>RSC Advances</i> , 2015, 5, 97710-97719.	1.7	24
43	Room-Temperature Self-Healing and Reprocessable Waterborne Polyurethane with Dynamically Exchangeable Disulfide Bonds. <i>ChemistrySelect</i> , 2020, 5, 4608-4618.	0.7	24
44	Eco-friendly functional two-component flame-retardant waterborne polyurethane coatings: a review. <i>Polymer Chemistry</i> , 2021, 12, 5400-5411.	1.9	23
45	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.	1.6	22
46	Rapid and high-concentration exfoliation of montmorillonite into high-quality and mono-layered nanosheets. <i>Nanoscale</i> , 2020, 12, 17083-17092.	2.8	22
47	One-pot synthesis of bio-based polycarbonates from dimethyl carbonate and isosorbide under metal-free condition. <i>Green Chemistry</i> , 2020, 22, 4550-4560.	4.6	22
48	Energetic interpenetrating polymer network based on orthogonal azido-alkyne click and polyurethane for potential solid propellant. <i>RSC Advances</i> , 2015, 5, 64478-64485.	1.7	21
49	Synthesis of a novel UV crosslinking waterborne siloxane-polyurethane. <i>Progress in Organic Coatings</i> , 2016, 90, 304-308.	1.9	21
50	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.	1.4	21
51	High Azide Content Hyperbranched Star Copolymer as Energetic Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 13962-13972.	1.8	21
52	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.	2.2	21
53	A novel method of hyperbranched poly(amide-ester) modifying nano-SiO <sub>2</sub> and study of mechanical properties of PVC/nano-SiO <sub>2</sub> composites. <i>Polymer Composites</i> , 2008, 29, 1014-1019.	2.3	20
54	Synthesis and properties of RDX/GAP nano-composite energetic materials. <i>Colloid and Polymer Science</i> , 2015, 293, 2269-2279.	1.0	20

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55	Energetic interpenetrating polymer network (EIPN): enhanced thermo-mechanical properties of NCO-fMWCNTs/HTPB PU and alkyne-fMWCNTs/acyl-GAP based nanocomposite and its propellants. RSC Advances, 2016, 6, 49101-49112.	1.7	20
56	The mechanical behaviors of epoxy-terminated hyperbranched polyester (E-HBP) as toughener in different epoxy resins. Advanced Composites and Hybrid Materials, 2018, 1, 310-319.	9.9	20
57	Multistep pyrolysis behavior of core-shell type hyperbranched azide copolymer: Kinetics and reaction mechanism via experiment and simulation. Fuel, 2018, 224, 311-322.	3.4	20
58	Glycidyl azide polymer-based polyurethane vitrimers with disulfide chain extenders. Polymer Chemistry, 2021, 12, 4072-4082.	1.9	20
59	Preparation and Evaluation of Effective Combustion Catalysts Based on Cu(I)/Pb(II) or Cu(II)/Bi(II) Nanocomposites Carried by Graphene Oxide (GO). Propellants, Explosives, Pyrotechnics, 2018, 43, 1087-1095.	1.0	19
60	Azido-terminated Hyperbranched Multi-arm Copolymer as Energetic Macromolecular Plasticizer. Propellants, Explosives, Pyrotechnics, 2019, 44, 345-354.	1.0	19
61	Synthesis and characterization of phosphorus-containing waterborne polyurethanes: Effects of the organophosphonate content on the flame retardancy, morphology, and film properties. Journal of Applied Polymer Science, 2008, 110, 3107-3115.	1.3	18
62	Fabrication and properties of glycidyl azide polymer-modified nitrocellulose spherical powders. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1555-1562.	2.0	18
63	Effect of preparation methods on the structure and catalytic thermal decomposition application of graphene/Fe <sub>2</sub> O <sub>3</sub> nanocomposites. Journal of Thermal Analysis and Calorimetry, 2017, 127, 2173-2179.	2.0	18
64	Synthesis and application of a cationic waterborne polyurethane fixative using quaternary ammonium diol as a chain extender. RSC Advances, 2018, 8, 42041-42048.	1.7	18
65	Thermostability and flame retardance of green functional two-component waterborne polyurethane coatings with nanoparticles. Progress in Organic Coatings, 2018, 122, 119-128.	1.9	18
66	Novel waterborne polyurethanes containing long-chain alkanes: their synthesis and application to water repellency. RSC Advances, 2019, 9, 31357-31369.	1.7	18
67	Synthesis and Characterization of Environmentally-Friendly Self-Matting Waterborne Polyurethane Coatings. Coatings, 2020, 10, 494.	1.2	18
68	Synthesis of Poly(3,3'-Bis(Azidomethyl Oxetane)) via Direct Azidation of Poly(3,3'-Bis(Bromo Oxetane)). Propellants, Explosives, Pyrotechnics, 2010, 35, 423-424.	1.0	17
69	Synthesis and Characterization of Poly(3-azidomethyl-3-methyl oxetane) by the Azidation of Poly(3-mesyloxymethyl-3-methyl oxetane). Propellants, Explosives, Pyrotechnics, 2015, 40, 920-926.	1.0	17
70	Mechanical properties and thermal decomposition of PBAMO/GAP random block ETPE. Journal of Thermal Analysis and Calorimetry, 2016, 126, 717-724.	2.0	17
71	Graphene/nickel aerogel: an effective catalyst for the thermal decomposition of ammonium perchlorate. RSC Advances, 2016, 6, 82112-82117.	1.7	17
72	Energetic hybrid polymer network (EHPN) through facile sequential polyurethane curation based on the reactivity differences between glycidyl azide polymer and hydroxyl terminated polybutadiene. RSC Advances, 2016, 6, 11032-11039.	1.7	17

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73	Performance and Kinetics Study of Self-Repairing Hydroxyl-Terminated Polybutadiene Binders Based on the Diels-Alder Reaction. <i>Polymers</i> , 2017, 9, 200.	2.0	17
74	Preparation and properties of waterborne polyurethane modified by stearyl acrylate for water repellents. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1283-1292.	1.2	17
75	Study on Epoxy Resin Toughened by Epoxidized Hydroxy-Terminated Polybutadiene. <i>Materials</i> , 2018, 11, 932.	1.3	17
76	Aggregation-induced emission from the crowded coronal chains of block copolymer micelles. <i>Polymer Chemistry</i> , 2020, 11, 4706-4713.	1.9	17
77	Pervaporation properties of EC membrane crosslinked by hyperbranched-polyester acrylate. <i>Journal of Membrane Science</i> , 2007, 303, 183-193.	4.1	16
78	Different catalytic systems on hydroxyl-terminated GAP and PET with poly-isocyanate: Curing kinetics study using dynamic <i>in situ</i> IR spectroscopy. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 495-503.	0.9	16
79	Low gloss waterborne polyurethane coatings with anti-dripping and flame retardancy via montmorillonite nanosheets. <i>Progress in Organic Coatings</i> , 2019, 136, 105273.	1.9	16
80	Cross-linking network structures and mechanical properties of novel HTPPE/PCL binder for solid propellant. <i>Polymer Bulletin</i> , 2021, 78, 313-334.	1.7	16
81	Research development on graphitic carbon nitride and enhanced catalytic activity on ammonium perchlorate. <i>RSC Advances</i> , 2021, 11, 5729-5740.	1.7	16
82	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.	1.1	16
83	Fabrication and thermal decomposition of glycidyl azide polymer modified nitrocellulose double base propellants. <i>Science China Chemistry</i> , 2016, 59, 472-477.	4.2	15
84	Applying Mechanically Activated Al/PTFE in CMDDB Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 1105-1114.	1.0	15
85	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.	1.6	15
86	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.	0.5	15
87	Thermal decomposition of energetic thermoplastic elastomers of poly(glycidyl nitrate). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	14
88	Fabrication of Polytetrafluoroethylene Coated Micron Aluminium with Enhanced Oxidation. <i>Materials</i> , 2020, 13, 3384.	1.3	14
89	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.	2.6	14
90	Thermal Behaviors of Ferrocenyl-Terminated Hyperbranched Polyester. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010, 20, 278-283.	1.9	13

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91	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.	2.0	13
92	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.	1.0	13
93	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.	0.8	13
94	Improvement of mechanical properties of <i>in situ</i> -prepared HTPe binder in propellants. <i>RSC Advances</i> , 2020, 10, 30150-30161.	1.7	13
95	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> , 2022, 251, 124711.	1.8	13
96	Polyglycidyl nitrate (PGN)-based energetic thermoplastic polyurethane elastomers with bonding functions. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	12
97	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.	1.7	12
98	Monodisperse Cylindrical Micelles of Controlled Length with a Liquid-Crystalline Perfluorinated Core by 1D "Self-Seeding". <i>Angewandte Chemie</i> , 2016, 128, 11564-11568.	1.6	12
99	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.	1.7	12
100	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.	1.4	12
101	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.	1.6	12
102	Simulation of GAP/HTPB phase behaviors in plasticizers and its application in composite solid propellant. <i>E-Polymers</i> , 2018, 18, 529-540.	1.3	12
103	Al/NiO nanocomposites for enhanced energetic properties: Preparation by polymer assembly method. <i>Materials and Design</i> , 2019, 183, 108111.	3.3	12
104	Self-sorting assembly of artificial building blocks. <i>Soft Matter</i> , 2022, 18, 2484-2499.	1.2	12
105	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.	2.0	11
106	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.	1.2	11
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.	0.7	11
108	Optically healable polyurethanes with tunable mechanical properties. <i>Polymer Chemistry</i> , 2019, 10, 2247-2255.	1.9	11

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109	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.	1.0	11
110	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.	1.6	11
111	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.	1.2	10
112	Preparation and Property Studies of Carbon Nanotubes Covalent Modified BAMO-AMMO Energetic Binders. <i>Journal of Energetic Materials</i> , 2015, 33, 305-314.	1.0	10
113	Characterization of P(BAMO/AMMO) ETPE Prepared Using Different Diisocyanates. <i>Propellants, Explosives, Pyrotechnics</i> , 2016, 41, 850-854.	1.0	10
114	Kinetics of Bu-NENA Evaporation from Bu-NENA/NC Propellant Determined by Isothermal Thermogravimetry. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 253-259.	1.0	10
115	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.	1.6	10
116	A Novel Polymer Electrolyte Matrix Incorporating Ionic Liquid into Waterborne Polyurethane for Lithium-Ion Battery. <i>Polymers</i> , 2020, 12, 1513.	2.0	10
117	Effect of Mixed Isocyanate Curing Agents on the Performance of In Situ-Prepared HTPE Binder Applied in Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 428-439.	1.0	10
118	Facile mass preparation and characterization of Al/copper ferrites metastable intermolecular energetic nanocomposites. <i>RSC Advances</i> , 2021, 11, 7633-7643.	1.7	10
119	Preparation and characterization of GA/RDX nanostructured energetic composites. <i>Bulletin of Materials Science</i> , 2016, 39, 1701-1707.	0.8	9
120	Preparation and curing behavior of high-stress solid propellant binder based on polydicyclopentadiene. <i>High Performance Polymers</i> , 2017, 29, 931-936.	0.8	9
121	Applying modified hyperbranched polyester in hydroxyl-terminated polyether/ammonium perchlorate/aluminium/cyclotrimethylenetrinitramine (<sc>HTPE</sc>/<sc>AP</sc>/Al/<sc>RDX</sc>) composite solid propellant. <i>Polymer International</i> , 2021, 70, 123-134.	1.6	9
122	Efficient activation of dimethyl carbonate to synthesize bio-based polycarbonate by eco-friendly amino acid ionic liquid catalyst. <i>Applied Catalysis A: General</i> , 2021, 617, 118111.	2.2	9
123	Study on Properties of Energetic Plasticizer Modified Double-Base Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 1662-1671.	1.0	9
124	Density-Dependent Emission Colors from a Conformation-Switching Chromophore in Polyurethanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
125	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.	1.3	8
126	Morphology-controlled synthesis of Al/Fe <sub>2</sub> O <sub>3</sub> nano-composites via electrospinning. <i>Chinese Chemical Letters</i> , 2015, 26, 1535-1537.	4.8	8



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127	Halogen-free instinct flame-retardant waterborne polyurethanes: composition, performance, and application. <i>RSC Advances</i> , 2022, 12, 14509-14520.	1.7	8
128	The Use of Inverse Gas Chromatography (IGC) to Determine the Surface Energy of RDX. <i>Propellants, Explosives, Pyrotechnics</i> , 2007, 32, 496-501.	1.0	7
129	Synthesis and Characterization of Dendrimer-Encapsulated Bimetallic Core-Shell PdPt Nanoparticles. <i>Chinese Journal of Chemistry</i> , 2012, 30, 541-546.	2.6	7
130	Ultrafine dispersion of a phosphate nucleating agent in a polypropylene matrix via the microemulsion method. <i>RSC Advances</i> , 2014, 4, 11931.	1.7	7
131	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, .	1.3	7
132	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.	1.0	7
133	Effects of water on the ballistic performance of para-aramid fabrics: three different projectiles. <i>Textile Research Journal</i> , 2016, 86, 1372-1384.	1.1	7
134	Thermal performance and decomposition kinetics of RDX/AP/SiO <sub>2</sub> intermolecular explosive. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1969-1978.	2.0	7
135	A study on the effect of four thermoplastic elastomers on the properties of double-base propellants. <i>RSC Advances</i> , 2020, 10, 42883-42889.	1.7	7
136	The Latest Research Progress of New Self-Repairing Energetic Composites. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1807-1816.	2.6	7
137	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.	1.4	7
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