

# Xingrong Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

152  
papers

4,961  
citations

87843

38  
h-index

118793

62  
g-index

152  
all docs

152  
docs citations

152  
times ranked

3936  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Thiolated graphene-based superhydrophobic sponges for oil-water separation. <i>Chemical Engineering Journal</i> , 2017, 316, 736-743.  | 6.6 | 267       |
| 2  | One-pot fabrication of superhydrophobic and flame-retardant coatings on cotton fabrics via sol-gel reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 198-206.   | 5.0 | 256       |
| 3  | Vapor-Induced Liquid Sol-Gel Approach to Fabricating Highly Durable and Robust Superhydrophobic Polydimethylsiloxane@Silica Surface on Polyester Textile for Oil-Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28089-28099. | 4.0 | 234       |
| 4  | Conductive and superhydrophobic F-rGO@CNTs/chitosan aerogel for piezoresistive pressure sensor. <i>Chemical Engineering Journal</i> , 2020, 386, 123998.   | 6.6 | 125       |
| 5  | Highly hydrophobic F-rGO@wood sponge for efficient clean-up of viscous crude oil. <i>Chemical Engineering Journal</i> , 2020, 386, 123994.   | 6.6 | 125       |
| 6  | Flame-retardant mechanism of a novel polymeric intumescent flame retardant containing caged bicyclic phosphate for polypropylene. <i>Polymer Degradation and Stability</i> , 2015, 113, 22-31.   | 2.7 | 123       |
| 7  | Dual-Functional Superhydrophobic Textiles with Asymmetric Roll-Down/Pinned States for Water Droplet Transportation and Oil-Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4213-4221.  | 4.0 | 110       |
| 8  | Facile fabrication of superhydrophobic and flame-retardant coatings on cotton fabrics via layer-by-layer assembly. <i>Cellulose</i> , 2018, 25, 3135-3149.   | 2.4 | 102       |
| 9  | Multifunctional MXene/Chitosan-Coated Cotton Fabric for Intelligent Fire Protection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23020-23029.  | 4.0 | 102       |
| 10 | Highly Stretchable and Conductive Superhydrophobic Coating for Flexible Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10587-10597.  | 4.0 | 100       |
| 11 | Vacuum-assisted layer-by-layer superhydrophobic carbon nanotube films with electrothermal and photothermal effects for deicing and controllable manipulation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16910-16919.                            | 5.2 | 93        |
| 12 | Thiolated Graphene@Polyester Fabric-Based Multilayer Piezoresistive Pressure Sensors for Detecting Human Motion. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41784-41792.  | 4.0 | 91        |
| 13 | A highly efficient flame retardant nacre-inspired nanocoating with ultrasensitive fire-warning and self-healing capabilities. <i>Chemical Engineering Journal</i> , 2019, 369, 8-17.   | 6.6 | 90        |
| 14 | Polydimethylsiloxane-Based Superhydrophobic Surfaces on Steel Substrate: Fabrication, Reversibly Extreme Wettability and Oil-Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3131-3141.                                       | 4.0 | 89        |
| 15 | Superhydrophobic MXene@carboxylated carbon nanotubes/carboxymethyl chitosan aerogel for piezoresistive pressure sensor. <i>Chemical Engineering Journal</i> , 2021, 425, 130462.   | 6.6 | 87        |
| 16 | An ultrasensitive fire-warning chitosan/montmorillonite/carbon nanotube composite aerogel with high fire-resistance. <i>Chemical Engineering Journal</i> , 2020, 399, 125729.  | 6.6 | 84        |
| 17 | Three-Dimensional Binary-Conductive-Network Silver Nanowires@Thiolated Graphene Foam-Based Room-Temperature Self-Healable Strain Sensor for Human Motion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44360-44370.               | 4.0 | 75        |
| 18 | Synthesis of a novel macromolecular charring agent with free-radical quenching capability and its synergism in flame retardant polypropylene. <i>Polymer Degradation and Stability</i> , 2016, 130, 68-77.   | 2.7 | 70        |

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|----|--|-----|-----------|
| 19 | 3D Porous Superhydrophobic CNT/EVA Composites for Recoverable Shape Reconfiguration and Underwater Vibration Detection. <i>Advanced Functional Materials</i> , 2019, 29, 1900554.  | 7.8 | 68        |
| 20 | Skin-inspired flexible and high-performance MXene@polydimethylsiloxane piezoresistive pressure sensor for human motion detection. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 478-488.  | 5.0 | 66        |
| 21 | Highly stretchable, transparent and room-temperature self-healable polydimethylsiloxane elastomer for bending sensor. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 1-10.   | 5.0 | 64        |
| 22 | Conductive superhydrophobic cotton fabrics via layer-by-layer assembly of carbon nanotubes for oil-water separation and human motion detection. <i>Materials Letters</i> , 2019, 253, 230-233.   | 1.3 | 56        |
| 23 | Superhydrophobic mGO/PDMS hybrid coating on polyester fabric for oil/water separation. <i>Progress in Organic Coatings</i> , 2018, 115, 172-180.   | 1.9 | 56        |
| 24 | Facile fabrication of a novel polyborosiloxane-decorated layered double hydroxide for remarkably reducing fire hazard of silicone rubber. <i>Composites Part B: Engineering</i> , 2019, 175, 107068.   | 5.9 | 53        |
| 25 | A sandwich-like flame retardant nanocoating for supersensitive fire-warning. <i>Chemical Engineering Journal</i> , 2020, 382, 122929.  | 6.6 | 52        |
| 26 | Effects of calcination temperature on the microstructure and wetting behavior of superhydrophobic polydimethylsiloxane/silica coating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 445, 111-118.             | 2.3 | 49        |
| 27 | Thermal degradation mechanism of addition-cure liquid silicone rubber with urea-containing silane. <i>Thermochimica Acta</i> , 2015, 605, 28-36.   | 1.2 | 48        |
| 28 | Mechanically robust and multifunctional polyimide/MXene composite aerogel for smart fire protection. <i>Chemical Engineering Journal</i> , 2022, 434, 134630.  | 6.6 | 48        |
| 29 | Effect and mechanism of N-alkoxy hindered amine on the flame retardancy, UV aging resistance and thermal degradation of intumescent flame retardant polypropylene. <i>Polymer Degradation and Stability</i> , 2015, 118, 167-177.                | 2.7 | 47        |
| 30 | Synergistic effect between a triazine-based macromolecule and melamine pyrophosphate in flame retardant polypropylene. <i>Polymer Composites</i> , 2012, 33, 35-43.  | 2.3 | 46        |
| 31 | Suppression Effect and Mechanism of Platinum and Nitrogen-Containing Silane on the Tracking and Erosion of Silicone Rubber for High-Voltage Insulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21039-21045.                    | 4.0 | 46        |
| 32 | Fabrication of ZrP nanosheet decorated macromolecular charring agent and its efficient synergism with ammonium polyphosphate in flame-retarding polypropylene. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 105, 223-234. | 3.8 | 45        |
| 33 | A green approach to fabricating nacre-inspired nanocoating for super-efficiently fire-safe polymers via one-step self-assembly. <i>Journal of Hazardous Materials</i> , 2019, 365, 125-136.  | 6.5 | 45        |
| 34 | Carbonized cotton fabric-based multilayer piezoresistive pressure sensors. <i>Cellulose</i> , 2019, 26, 5001-5014.   | 2.4 | 44        |
| 35 | Fabrication and characterization of nanocapsules containing n-dodecanol by miniemulsion polymerization using interfacial redox initiation. <i>Colloid and Polymer Science</i> , 2012, 290, 307-314.  | 1.0 | 41        |
| 36 | Conductive and room-temperature self-healable polydimethylsiloxane-based elastomer film with ridge-like microstructure for piezoresistive pressure sensor. <i>Chemical Engineering Journal</i> , 2022, 430, 133103.                              | 6.6 | 41        |

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|----|--|-----|-----------|
| 37 | Facile fabrication of a robust superhydrophobic/superoleophilic sponge for selective oil absorption from oily water. <i>RSC Advances</i> , 2014, 4, 23861.   | 1.7 | 40        |
| 38 | Bioinspired Superhydrophobic Thermochromic Films with Robust Healability. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14578-14587.   | 4.0 | 40        |
| 39 | Effect of urea-containing anti-tracking additive on the tracking and erosion resistance of addition-cure liquid silicone rubber. <i>Polymer Testing</i> , 2014, 37, 19-27.   | 2.3 | 39        |
| 40 | Synergistic effect and mechanism of platinum catalyst and nitrogen-containing silane on the thermal stability of silicone rubber. <i>Thermochimica Acta</i> , 2016, 632, 1-9.  | 1.2 | 38        |
| 41 | Synthesis and Characterization of A Novel Macromolecular Hindered Phenol Antioxidant and Its Thermo-Oxidative Aging Resistance for Natural Rubber. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1244-1257. | 0.4 | 36        |
| 42 | Facile Fabrication of Superhydrophobic and Magnetic Poly(lactic acid) Nonwoven Fabric for Oil/Water Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 9127-9135.                                | 1.8 | 36        |
| 43 | Superhydrophobic and high-performance wood-based piezoresistive pressure sensors for detecting human motions. <i>Chemical Engineering Journal</i> , 2021, 426, 130837.   | 6.6 | 35        |
| 44 | Preparation and characterization of UV-curable hyperbranched polyurethane acrylate. <i>Journal of Coatings Technology Research</i> , 2011, 8, 61-66.   | 1.2 | 34        |
| 45 | P doped MoS <sub>2</sub> nanoplates embedded in nitrogen doped carbon nanofibers as an efficient catalyst for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 291-298.             | 5.0 | 33        |
| 46 | Synergistic Effect of Phosphorus-Containing Montmorillonite with Intumescent Flame Retardant in Polypropylene. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 1186-1198.                                     | 0.4 | 32        |
| 47 | Zirconium phosphate functionalized by hindered amine: A new strategy for effectively enhancing the flame retardancy of addition-cure liquid silicone rubber. <i>Materials Letters</i> , 2016, 174, 230-233.                  | 1.3 | 32        |
| 48 | Remarkably improving the fire-safety of polypropylene by synergism of functionalized ZrP nanosheet and N-alkoxy hindered amine. <i>Applied Clay Science</i> , 2018, 166, 61-73.  | 2.6 | 32        |
| 49 | Superhydrophobic Polydimethylsiloxane@Multiwalled Carbon Nanotubes Membrane for Effective Water-in-Oil Emulsions Separation and Quick Deicing. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 8791-8799. | 1.8 | 32        |
| 50 | Synthesis, photopolymerization kinetics, and thermal properties of UV-curable waterborne hyperbranched polyurethane acrylate dispersions. <i>Journal of Coatings Technology Research</i> , 2011, 8, 577-584.                 | 1.2 | 31        |
| 51 | Skin-inspired multifunctional MXene/cellulose nanocoating for smart and efficient fire protection. <i>Chemical Engineering Journal</i> , 2022, 446, 136899.  | 6.6 | 31        |
| 52 | Skin-inspired thermoelectric nanocoating for temperature sensing and fire safety. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 756-766.  | 5.0 | 29        |
| 53 | Effect of Polyborosiloxane on the Flame Retardancy and Thermal Degradation of Intumescent Flame Retardant Polypropylene. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 721-734.                             | 0.4 | 28        |
| 54 | Preparation of functionalized zirconium phosphate and its effect on the flame retardancy of silicone rubber. <i>RSC Advances</i> , 2018, 8, 111-121.   | 1.7 | 28        |

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|----|---|-----|-----------|
| 55 | An efficient strategy for simultaneously improving tracking resistance and flame retardancy of addition-cure liquid silicone rubber. <i>Polymer Degradation and Stability</i> , 2017, 144, 176-186.   | 2.7 | 26        |
| 56 | Synergistic effect of phosphorus-containing nanosponges on intumescent flame-retardant polypropylene. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1758-1765.   | 1.3 | 25        |
| 57 | Synthesis and antioxidative properties of a star-shaped macromolecular antioxidant based on $\beta$ -cyclodextrin. <i>Materials Letters</i> , 2015, 151, 72-74.   | 1.3 | 25        |
| 58 | Significant improvement of urethane-containing silane on the tracking and erosion resistance of silicone rubber/silica nanocomposite by enhancing the interfacial effect. <i>Polymer Testing</i> , 2018, 69, 16-25.                         | 2.3 | 25        |
| 59 | Effect and mechanism of hepta-phenyl vinyl polyhedral oligomeric silsesquioxane on the flame retardancy of silicone rubber. <i>Polymer Degradation and Stability</i> , 2019, 159, 163-173.  | 2.7 | 25        |
| 60 | Stimuli-responsive superhydrophobic films driven by solvent vapor for electric switch and liquid manipulation. <i>Chemical Engineering Journal</i> , 2020, 394, 124919.   | 6.6 | 23        |
| 61 | Light Stimuli-Responsive Superhydrophobic Films for Electric Switches and Water-Droplet Manipulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36621-36631.  | 4.0 | 23        |
| 62 | Wearable RGO/MXene Piezoresistive Pressure Sensors with Hierarchical Microspines for Detecting Human Motion. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27262-27273.   | 4.0 | 23        |
| 63 | Preparation of a flame retardant phosphorus-containing polyacrylate/ $\beta$ -zirconium phosphate nanocomposite through in situ emulsion polymerization. <i>RSC Advances</i> , 2017, 7, 49290-49298.  | 1.7 | 22        |
| 64 | Efficiently enhancing the tracking and erosion resistance of silicone rubber by the synergism of fluorine-containing polyphenylsilsesquioxane and ureido-containing MQ silicone resin. <i>Applied Surface Science</i> , 2018, 459, 483-491. | 3.1 | 22        |
| 65 | Superhydrophobic reduced graphene oxide@poly(lactic acid) foam with electrothermal effect for fast separation of viscous crude oil. <i>Journal of Materials Science</i> , 2021, 56, 11266-11277.  | 1.7 | 22        |
| 66 | Synthesis and Characterization of Nano-silica/Polyacrylate Composite Emulsions by Sol-gel Method and <i>in-situ</i> Emulsion Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 48, 42-46.       | 1.2 | 21        |
| 67 | Effect of Polymerized Rosin on Polymer Microstructure and Adhesive Properties in Tackified Acrylate Emulsions. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 122-127.  | 1.9 | 21        |
| 68 | Synthesis of A Star-Shaped Macromolecular Antioxidant Based on $\beta$ -Cyclodextrin and its Antioxidative Properties in Natural Rubber. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 893-900.                              | 1.7 | 21        |
| 69 | Investigation of the tracking and erosion resistance of cured liquid silicone rubber containing ureido-modified MQ silicone resin. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016, 23, 3668-3675.                 | 1.8 | 21        |
| 70 | Effect of alkyl-disubstituted ureido silanes with different alkyl chain structures on tracking resistance property of addition-cure liquid silicone rubber. <i>Polymer Degradation and Stability</i> , 2017, 142, 263-272.                  | 2.7 | 21        |
| 71 | Synthesis and Characterization of UV-curable Hyperbranched Urethane Acrylate. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 237-241.   | 1.9 | 20        |
| 72 | Preparation and Characterization of Organic Nano-Titanium Dioxide/Acrylate Composite Emulsions by <i>in-situ</i> Emulsion Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 309-314.        | 1.2 | 19        |

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|----|---|-----|-----------|
| 73 | Synthesis of Siloxanes Containing Vinyl and Epoxy Group and its Enhancement for Adhesion of Addition-Cure Silicone Encapsulant. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 1126-1132.  | 1.2 | 19        |
| 74 | Facile fabrication of superhydrophobic, flame-retardant and conductive cotton fabric for human motion detection. <i>Cellulose</i> , 2022, 29, 605-617.  | 2.4 | 19        |
| 75 | Preparation and properties of vinylphenyl-silicone resins and their application in LED packaging. <i>RSC Advances</i> , 2016, 6, 71924-71933.   | 1.7 | 18        |
| 76 | Synthesis of silane oligomers containing vinyl and epoxy group for improving the adhesion of addition-cure silicone encapsulant. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 1131-1142.   | 1.4 | 18        |
| 77 | Suppression Effect and Mechanism of Amine-Containing MQ Silicone Resin on the Tracking and Erosion Resistance of Silicone Rubber. <i>ACS Omega</i> , 2017, 2, 5111-5121.  | 1.6 | 18        |
| 78 | Superhydrophobic, flame-retardant and magnetic polyurethane sponge for oil-water separation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107580.   | 3.3 | 18        |
| 79 | Epoxidation of Styrene-Isoprene-Styrene Block Copolymer and Its Use for Hot-Melt Pressure Sensitive Adhesives. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 978-983.  | 1.9 | 17        |
| 80 | Structural Characterization of Hydroxyl-Terminated Polybutadiene-Bound 2, 2-Thiobis(4-methyl-6-tert-butylphenol) and Its Thermo-Oxidative Aging Resistance for Natural Rubber Vulcanizates. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 1904-1920. | 0.4 | 17        |
| 81 | Synthesis and Thermo-Oxidative Aging Resistance of Hydroxyl Terminated Polybutadiene Bound 2,2-Thiobis(4-methyl-6-tert-butylphenol). <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 1006-1013.  | 1.9 | 17        |
| 82 | Thermal aging on mechanical properties and crosslinked network of natural rubber/zinc Dimethacrylate composites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 2240-2249.  | 1.3 | 17        |
| 83 | Synergistic effect between silicone-containing macromolecular charring agent and ammonium polyphosphate in flame retardant polypropylene. <i>Journal of Applied Polymer Science</i> , 2015, 132, .  | 1.3 | 17        |
| 84 | Effect of the platinum catalyst content on the tracking and erosion resistance of addition-cure liquid silicone rubber. <i>Polymer Testing</i> , 2017, 63, 92-100.  | 2.3 | 17        |
| 85 | Preparation, structural characterization, and antioxidative behavior in natural rubber of antioxidant GM functionalized nanosilica. <i>Polymer Composites</i> , 2017, 38, 1241-1247.  | 2.3 | 16        |
| 86 | Synthesis of Zirconium-Containing Polyhedral Oligometallasilsesquioxane as an Efficient Thermal Stabilizer for Silicone Rubber. <i>Polymers</i> , 2018, 10, 520.  | 2.0 | 16        |
| 87 | Remarkable improvement of organic-to-inorganic conversion of silicone rubber at elevated temperature through platinum-nitrogen catalytic system. <i>Polymer Degradation and Stability</i> , 2020, 171, 109026.  | 2.7 | 16        |
| 88 | Superhydrophobic and phosphorus-nitrogen flame-retardant cotton fabric. <i>Progress in Organic Coatings</i> , 2021, 159, 106446.  | 1.9 | 16        |
| 89 | Degradable and stretchable bio-based strain sensor for human motion detection. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 554-563.  | 5.0 | 16        |
| 90 | Synergistic Effect of Epoxy/Organophilic Montmorillonite Nanocomposites and Triphenyl Phosphate on Flame Retardance Enhancement of Polypropylene. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 1011-1020.   | 1.9 | 15        |

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|-----|--|-----|-----------|
| 91  | Preparation and Properties of Flame Retardant Polypropylene with an Intumescent System Encapsulated by Thermoplastic Polyurethane. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 35-47.                 | 0.4 | 15        |
| 92  | Functionalized ZrP nanosheet with free radical quenching capability and its synergism in intumescent flame-retardant polypropylene. <i>Polymers for Advanced Technologies</i> , 2020, 31, 602-615.                       | 1.6 | 15        |
| 93  | Enhancement of wollastonite on flame retardancy and mechanical properties of PP/IFR composite. <i>Polymer Composites</i> , 2014, 35, 158-166.  | 2.3 | 14        |
| 94  | Mussel-inspired cotton fabric with pH-responsive superwettability for bidirectional oil-water separation. <i>Journal of Materials Science</i> , 2019, 54, 3648-3660.   | 1.7 | 14        |
| 95  | Efficient organic-to-inorganic conversion of polysiloxane by novel platinum-thiol catalytic system. <i>Polymer Degradation and Stability</i> , 2020, 176, 109161.  | 2.7 | 14        |
| 96  | Preparation and Characterization of Conductive Polypyrrole/Organophilic Montmorillonite Nanocomposite. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 751-757.   | 1.9 | 13        |
| 97  | Study on the anti-abrasion resistance of superhydrophobic coatings based on fluorine-containing acrylates with different Tg and SiO <sub>2</sub> . <i>RSC Advances</i> , 2017, 7, 47738-47745.                           | 1.7 | 13        |
| 98  | The preparation of fluorine-containing polysiloxane low-melting glass and its effect on the tracking resistance and thermostability of addition-cure liquid silicone rubber. <i>RSC Advances</i> , 2017, 7, 33020-33028. | 1.7 | 13        |
| 99  | Facile fabrication of superhydrophobic conductive polydimethylsiloxane@silver nanowires cotton fabric via dipping-thermal curing method. <i>Materials Letters</i> , 2019, 255, 126511.                                   | 1.3 | 13        |
| 100 | Improvement of platinum nanoparticles-immobilized $\beta$ -zirconium phosphate sheets on tracking and erosion resistance of silicone rubber. <i>Composites Part B: Engineering</i> , 2019, 176, 107203.                  | 5.9 | 13        |
| 101 | Steady rheological behaviors of UV-curable waterborne hyperbranched polyurethane acrylate dispersions. <i>Journal of Coatings Technology Research</i> , 2013, 10, 57-64.   | 1.2 | 12        |
| 102 | Phenolic antioxidants based on calixarene: Synthesis, structural characterization, and antioxidative properties in natural rubber. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45144.                         | 1.3 | 12        |
| 103 | Fabrication of polymethylphenylsiloxane decorated C60 via $\pi$ - $\pi$ stacking interaction for reducing the flammability of silicone rubber. <i>Materials Letters</i> , 2018, 229, 85-88.                              | 1.3 | 12        |
| 104 | Significant improvement of tribological performances of polyamide 46/polyphenylene oxide alloy by functionalized zirconium phosphate. <i>Tribology International</i> , 2018, 128, 204-213.                               | 3.0 | 12        |
| 105 | Effective improvement of anti-tracking of addition-cure liquid silicone rubber via charge dissipation of fluorosilane-grafted silica. <i>Polymer Degradation and Stability</i> , 2019, 167, 250-258.                     | 2.7 | 12        |
| 106 | Effects of hydrophilic layer on directional transport of water through robust tri-layered Janus fabrics prepared by electrospinning. <i>Materials Letters</i> , 2020, 268, 127583.                                       | 1.3 | 12        |
| 107 | Synthesis of a novel N-alkoxyamine containing macromolecular intumescent flame retardant and its synergism in flame-retarding polypropylene. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2452-2464.            | 1.6 | 12        |
| 108 | Superhydrophobic and conductive polydimethylsiloxane/titanium dioxide@reduced graphene oxide coated cotton fabric for human motion detection. <i>Cellulose</i> , 2021, 28, 7373-7388.                                    | 2.4 | 12        |



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|-----|---|-----|-----------|
| 109 | Significantly improve fire safety of silicone rubber by efficiently catalyzing ceramization on fluorophlogopite. <i>Composites Communications</i> , 2021, 25, 100683.   | 3.3 | 12        |
| 110 | A facile approach to UV-curable super-hydrophilic polyacrylate coating film grafted on glass substrate. <i>Journal of Coatings Technology Research</i> , 2016, 13, 1115-1121.   | 1.2 | 11        |
| 111 | Synthesis of a novel hydantoin-containing silane and its effect on the tracking and bacteria resistance of addition-cure liquid silicone rubber. <i>Applied Surface Science</i> , 2017, 423, 630-640.                                     | 3.1 | 11        |
| 112 | RIRS with Vacuum-Assisted Ureteral Access Sheath versus MPCNL for the Treatment of 2-4cm Renal Stone. <i>BioMed Research International</i> , 2020, 2020, 1-8.   | 0.9 | 11        |
| 113 | Facile fabrication of superhydrophobic, flame-retardant and conductive polyurethane sponge via dip-coating. <i>Materials Letters</i> , 2021, 287, 129307.   | 1.3 | 11        |
| 114 | Facile Synthesis of Polyhydroxylated Polybutadiene Derived from Hydroxyl-Terminated Polybutadiene via Thiol-Ene Click Reaction. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 229-239.                | 1.2 | 10        |
| 115 | Synthesis and characterization of polyhydroxylated polybutadiene binding 2,2,4,4-tetrakis(4-methyl-tert-butylphenol) with isophorone diisocyanate. <i>Journal of Applied Polymer Science</i> , 2014, 131, .                               |     | 9         |
| 116 | Well-defined Seven-arm Star Macromolecular Antioxidant based on $\beta$ -Cyclodextrin for Stabilization of Natural Rubber. <i>Chemistry Letters</i> , 2016, 45, 191-193.  | 0.7 | 9         |
| 117 | Synthesis of phenyl silicone resin with epoxy and acrylate group and its adhesion enhancement for addition-cure silicone encapsulant with high refractive index. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2699-2709. | 1.4 | 9         |
| 118 | Synthesis and characterization of polyphenylsilsesquioxane terminated with methyl and vinyl groups low-melting glass. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 2399-2409.  | 1.4 | 9         |
| 119 | <i>In situ</i> preparation of reduced graphene oxide reinforced acrylic rubber by self-assembly. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47187.  | 1.3 | 9         |
| 120 | N-Alkoxamine-containing macromolecular intumescent flame-retardant decorated ZrP nanosheet and their synergism in flame-retarding polypropylene. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3804-3816.                         | 1.6 | 9         |
| 121 | Preparation of fluorinated polyacrylate composite latex with in situ generated nano-silica dispersion and film durability. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 775-784.  | 1.3 | 8         |
| 122 | Antistatic effects and mechanism of ionic liquids for methyl vinyl silicone rubber. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45180.   | 1.3 | 8         |
| 123 | Thermo-oxidative aging resistance and mechanism of a macromolecular hindered phenol antioxidant for natural rubber. <i>Journal of Elastomers and Plastics</i> , 2018, 50, 372-387.  | 0.7 | 8         |
| 124 | Investigation of ureido-attached vinyl MQ silicone resin on tracking and erosion resistance of addition-cure liquid silicone rubber. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47360.  | 1.3 | 8         |
| 125 | Synergistic enhancement of vinyltriethoxysilane and layered Mg-Al double hydroxide on the tracking and erosion resistance of silicone rubber. <i>Polymer Testing</i> , 2020, 84, 106373.  | 2.3 | 8         |
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