

Hongqiang Li

List of Publications by Year in descending order

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159
papers

5,462
citations

76196

40
h-index

110170

64
g-index

159
all docs

159
docs citations

159
times ranked

4275
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 & 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 & 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 & Interfaces</i> , 2021, 13, 23020-23029.	4.0	102
10	Highly Stretchable and Conductive Superhydrophobic Coating for Flexible Electronics. <i>ACS Applied Materials & 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 & 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 & 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	Low Drag Porous Ship with Superhydrophobic and Superoleophilic Surface for Oil Spills Cleanup. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26184-26194.	4.0	75
18	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 & Interfaces</i> , 2020, 12, 44360-44370.	4.0	75

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19	Facile fabrication of superhydrophobic filtration fabric with honeycomb structures for the separation of water and oil. <i>Materials Letters</i> , 2014, 120, 255-258.	1.3	71
20	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
21	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
22	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
23	A study on the fabrication of superhydrophobic iron surfaces by chemical etching and galvanic replacement methods and their anti-icing properties. <i>Applied Surface Science</i> , 2015, 346, 458-463.	3.1	64
24	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
25	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
26	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
27	Study on the wetting behavior and theoretical models of polydimethylsiloxane/silica coating. <i>Applied Surface Science</i> , 2013, 279, 458-463.	3.1	54
28	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
29	A sandwich-like flame retardant nanocoating for supersensitive fire-warning. <i>Chemical Engineering Journal</i> , 2020, 382, 122929.	6.6	52
30	Fabrication and characterization of stable superhydrophobic fluorinated-polyacrylate/silica hybrid coating. <i>Applied Surface Science</i> , 2014, 298, 214-220.	3.1	50
31	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
32	Thermal degradation mechanism of addition-cure liquid silicone rubber with urea-containing silane. <i>Thermochimica Acta</i> , 2015, 605, 28-36.	1.2	48
33	Synthesis and antioxidative properties in natural rubber of novel macromolecular hindered phenol antioxidants containing thioether and urethane groups. <i>Polymer Degradation and Stability</i> , 2015, 111, 232-238.	2.7	48
34	Mechanically robust and multifunctional polyimide/MXene composite aerogel for smart fire protection. <i>Chemical Engineering Journal</i> , 2022, 434, 134630.	6.6	48
35	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
36	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

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37	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 & Interfaces</i> , 2016, 8, 21039-21045.	4.0	46
38	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
39	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
40	Carbonized cotton fabric-based multilayer piezoresistive pressure sensors. <i>Cellulose</i> , 2019, 26, 5001-5014.	2.4	44
41	Functionalized graphene as an effective antioxidant in natural rubber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 47-54.	3.8	42
42	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
43	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
44	Bioinspired Superhydrophobic Thermochromic Films with Robust Healability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14578-14587.	4.0	40
45	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
46	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
47	Vapor-liquid interfacial reaction to fabricate superhydrophilic and underwater superoleophobic thiol-ene/silica hybrid decorated fabric for oil/water separation. <i>Applied Surface Science</i> , 2018, 427, 92-101.	3.1	38
48	Preparation and characterization of nano-SiO ₂ /fluorinated polyacrylate composite latex via nano-SiO ₂ /acrylate dispersion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 328-335.	2.3	37
49	Superwetable Janus nylon membrane for multifunctional emulsion separation. <i>Journal of Membrane Science</i> , 2022, 642, 119995.	4.1	37
50	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
51	Thermal degradation and combustion behavior of novel intumescent flame retardant polypropylene with N-alkoxy hindered amine. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 361-370.	2.6	36
52	Facile Fabrication of Superhydrophobic and Magnetic Poly(lactic acid) Nonwoven Fabric for Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9127-9135.	1.8	36
53	Superhydrophobic and high-performance wood-based piezoresistive pressure sensors for detecting human motions. <i>Chemical Engineering Journal</i> , 2021, 426, 130837.	6.6	35
54	Preparation and characterization of UV-curable hyperbranched polyurethane acrylate. <i>Journal of Coatings Technology Research</i> , 2011, 8, 61-66.	1.2	34

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55	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
56	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
57	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
58	Superhydrophobic Polydimethylsiloxane@Multiwalled Carbon Nanotubes Membrane for Effective Water-in-Oil Emulsions Separation and Quick Deicing. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8791-8799.	1.8	32
59	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
60	Skin-inspired multifunctional MXene/cellulose nanocoating for smart and efficient fire protection. <i>Chemical Engineering Journal</i> , 2022, 446, 136899.	6.6	31
61	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
62	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
63	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
64	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
65	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
66	Synthesis and antioxidative properties of a star-shaped macromolecular antioxidant based on β -cyclodextrin. <i>Materials Letters</i> , 2015, 151, 72-74.	1.3	25
67	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
68	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
69	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
70	Light Stimuli-Responsive Superhydrophobic Films for Electric Switches and Water-Droplet Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36621-36631.	4.0	23
71	Wearable RGO/MXene Piezoresistive Pressure Sensors with Hierarchical Microspines for Detecting Human Motion. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27262-27273.	4.0	23
72	Preparation of a flame retardant phosphorus-containing polyacrylate/zirconium phosphate nanocomposite through in situ emulsion polymerization. <i>RSC Advances</i> , 2017, 7, 49290-49298.	1.7	22

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73	Hindered phenol functionalized graphene oxide for natural rubber. <i>Materials Letters</i> , 2018, 210, 239-242.	1.3	22
74	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
75	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
76	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
77	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
78	Synthesis of A Star-Shaped Macromolecular Antioxidant Based on β -Cyclodextrin and its Antioxidative Properties in Natural Rubber. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 893-900.	1.7	21
79	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
80	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
81	Effect of mixing sequences of β -piperazine propylmethyl dimethoxysilane on the tracking and erosion resistance of silicone rubber. <i>Polymer Testing</i> , 2018, 65, 491-496.	2.3	20
82	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
83	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
84	Combination effect of zirconium phosphate nanosheet and PU-coated carbon fiber on flame retardancy and thermal behavior of PA46/PPO alloy. <i>Composites Part B: Engineering</i> , 2019, 166, 621-632.	5.9	19
85	Facile fabrication of superhydrophobic, flame-retardant and conductive cotton fabric for human motion detection. <i>Cellulose</i> , 2022, 29, 605-617.	2.4	19
86	Multiblock thermoplastic elastomers via one-pot thiol-ene reaction. <i>Polymer Chemistry</i> , 2016, 7, 4824-4832.	1.9	18
87	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
88	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
89	Superhydrophobic, flame-retardant and magnetic polyurethane sponge for oil-water separation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107580.	3.3	18
90	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

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91	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
92	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
93	Compatibilizing effect of β -cyclodextrin in RDP/phosphorus-containing polyacrylate composite emulsion and its synergism on the flame retardancy of the latex film. <i>Progress in Organic Coatings</i> , 2014, 77, 975-980.	1.9	17
94	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
95	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
96	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
97	Synthesis of Zirconium-Containing Polyhedral Oligometallasilsesquioxane as an Efficient Thermal Stabilizer for Silicone Rubber. <i>Polymers</i> , 2018, 10, 520.	2.0	16
98	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
99	Superhydrophobic and phosphorus-nitrogen flame-retardant cotton fabric. <i>Progress in Organic Coatings</i> , 2021, 159, 106446.	1.9	16
100	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
101	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
102	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
103	Enhancement of wollastonite on flame retardancy and mechanical properties of PP/IFR composite. <i>Polymer Composites</i> , 2014, 35, 158-166.	2.3	14
104	Synthesis of an adhesion-enhancing polyhydrosiloxane containing acrylate groups and its cross-linked addition-cure silicone encapsulant. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 416-430.	0.7	14
105	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
106	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
107	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
108	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

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109	Improvement of platinum nanoparticles-immobilized $\hat{\pm}$ -zirconium phosphate sheets on tracking and erosion resistance of silicone rubber. <i>Composites Part B: Engineering</i> , 2019, 176, 107203.	5.9	13
110	Preparation and Characterization of Epoxidized Styrene-Isoprene-Styrene Tri-block Copolymer Using Formic Acid-Hydrogen Peroxide. <i>Journal of Elastomers and Plastics</i> , 2008, 40, 317-330.	0.7	12
111	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
112	Cross-linking of COOH-containing polymers using Ag(ⁱ / _{sc} >)-catalyzed oxidative decarboxylation in aqueous solution. <i>Soft Matter</i> , 2017, 13, 5028-5037.	1.2	12
113	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
114	Fabrication of polymethylphenylsiloxane decorated C60 via π - π stacking interaction for reducing the flammability of silicone rubber. <i>Materials Letters</i> , 2018, 229, 85-88.	1.3	12
115	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
116	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
117	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
118	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
119	Significantly improve fire safety of silicone rubber by efficiently catalyzing ceramization on fluorophlogopite. <i>Composites Communications</i> , 2021, 25, 100683.	3.3	12
120	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
121	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
122	Two-step synthesis and characterization of urea-isobutyraldehyde-formaldehyde resins. <i>Progress in Organic Coatings</i> , 2009, 66, 167-172.	1.9	10
123	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
124	Flame-Retardant and Thermal Degradation Mechanism of Caged Phosphate Charring Agent with Melamine Pyrophosphate for Polypropylene. <i>International Journal of Polymer Science</i> , 2015, 2015, 1-11.	1.2	10
125	Effect and mechanism of ureido-modified MQ silicone resin and platinum on tracking and erosion resistance of silicone rubber. <i>Polymer Testing</i> , 2018, 70, 162-169.	2.3	10
126	Compatibilization of Fluororubber/ Silicone Rubber Blends by the Incorporation of 2,2,2-Trifluoroethyl Methacrylate Grafted Silicone Rubber. <i>Journal of Elastomers and Plastics</i> , 2010, 42, 539-560.	0.7	9

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127	Synthesis and characterization of polyhydroxylated polybutadiene binding 2,2- β -thiobis(4-methyl-tert-butylphenol) with isophorone diisocyanate. Journal of Applied Polymer Science, 2014, 131, .		9
128	Well-defined Seven-arm Star Macromolecular Antioxidant based on β -Cyclodextrin for Stabilization of Natural Rubber. Chemistry Letters, 2016, 45, 191-193.	0.7	9
129	Synthesis of phenyl silicone resin with epoxy and acrylate group and its adhesion enhancement for addition-cure silicone encapsulant with high refractive index. Journal of Adhesion Science and Technology, 2016, 30, 2699-2709.	1.4	9
130	Synthesis and characterization of polyphenylsilsesquioxane terminated with methyl and vinyl groups low-melting glass. Journal of Adhesion Science and Technology, 2017, 31, 2399-2409.	1.4	9
131	<i>In situ</i> preparation of reduced graphene oxide reinforced acrylic rubber by self-assembly. Journal of Applied Polymer Science, 2019, 136, 47187.	1.3	9
132	N-alkoxyamine-containing macromolecular intumescent flame-retardant decorated ZrP nanosheet and their synergism in flame-retarding polypropylene. Polymers for Advanced Technologies, 2021, 32, 3804-3816.	1.6	9
133	Preparation of fluorinated polyacrylate composite latex with in situ generated nano-silica dispersion and film durability. Iranian Polymer Journal (English Edition), 2013, 22, 775-784.	1.3	8
134	A facile fabrication of robust thiol-ene/hierarchically mesoporous silica nanoparticles hybrid superhydrophilic coating films under UV radiation. Progress in Organic Coatings, 2016, 101, 423-430.	1.9	8
135	Thermo-oxidative aging resistance and mechanism of a macromolecular hindered phenol antioxidant for natural rubber. Journal of Elastomers and Plastics, 2018, 50, 372-387.	0.7	8
136	Investigation of ureido-attached vinyl MQ silicone resin on tracking and erosion resistance of addition-cure liquid silicone rubber. Journal of Applied Polymer Science, 2019, 136, 47360.	1.3	8
137	Synergistic enhancement of vinyltriethoxysilane and layered Mg-Al double hydroxide on the tracking and erosion resistance of silicone rubber. Polymer Testing, 2020, 84, 106373.	2.3	8
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