

Xuejun Lai

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141
papers

3,358
citations

33
h-index

51
g-index

147
ext. papers

4,420
ext. citations

5.9
avg, IF

6.04
L-index

#	Paper	IF	Citations
141	Thiolated graphene-based superhydrophobic sponges for oil-water separation. <i>Chemical Engineering Journal</i> , 2017 , 316, 736-743	14.7	202
140	Vapor-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	9.5	180
139	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	9.3	155
138	Superhydrophobic and breathable smart MXene-based textile for multifunctional wearable sensing electronics. <i>Chemical Engineering Journal</i> , 2021 , 406, 126898	14.7	124
137	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	4.7	100
136	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	9.5	82
135	Highly Stretchable and Conductive Superhydrophobic Coating for Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10587-10597	9.5	80
134	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	9.5	69
133	Facile fabrication of superhydrophobic and flame-retardant coatings on cotton fabrics via layer-by-layer assembly. <i>Cellulose</i> , 2018 , 25, 3135-3149	5.5	67
132	Facile fabrication of superhydrophobic filtration fabric with honeycomb structures for the separation of water and oil. <i>Materials Letters</i> , 2014 , 120, 255-258	3.3	66
131	Thiolated Graphene@Polyester Fabric-Based Multilayer Piezoresistive Pressure Sensors for Detecting Human Motion. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41784-41792	9.5	62
130	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	13	60
129	Conductive and superhydrophobic F-rGO@CNTs/chitosan aerogel for piezoresistive pressure sensor. <i>Chemical Engineering Journal</i> , 2020 , 386, 123998	14.7	56
128	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	4.7	55
127	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	14.7	52
126	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	6.7	51
125	3D Porous Superhydrophobic CNT/EVA Composites for Recoverable Shape Reconfiguration and Underwater Vibration Detection. <i>Advanced Functional Materials</i> , 2019 , 29, 1900554	15.6	50

124	Superhydrophilic, Underwater Superoleophobic, and Highly Stretchable Humidity and Chemical Vapor Sensors for Human Breath Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24533-24543	9.5	48
123	Highly hydrophobic F-rGO@wood sponge for efficient clean-up of viscous crude oil. <i>Chemical Engineering Journal</i> , 2020 , 386, 123994	14.7	48
122	Fabrication and characterization of stable superhydrophobic fluorinated-polyacrylate/silica hybrid coating. <i>Applied Surface Science</i> , 2014 , 298, 214-220	6.7	43
121	Study on the wetting behavior and theoretical models of polydimethylsiloxane/silica coating. <i>Applied Surface Science</i> , 2013 , 279, 458-463	6.7	43
120	Synergistic effect between a triazine-based macromolecule and melamine pyrophosphate in flame retardant polypropylene. <i>Polymer Composites</i> , 2012 , 33, 35-43	3	41
119	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	4.7	39
118	Superhydrophobic mGO/PDMS hybrid coating on polyester fabric for oil/water separation. <i>Progress in Organic Coatings</i> , 2018 , 115, 172-180	4.8	39
117	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	9.5	39
116	Facile fabrication of a robust superhydrophobic/superoleophilic sponge for selective oil absorption from oily water. <i>RSC Advances</i> , 2014 , 4, 23861	3.7	36
115	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, 21039-45	9.5	36
114	Thermal degradation mechanism of addition-cure liquid silicone rubber with urea-containing silane. <i>Thermochimica Acta</i> , 2015 , 605, 28-36	2.9	35
113	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	9.3	35
112	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	4.7	34
111	An ultrasensitive fire-warning chitosan/montmorillonite/carbon nanotube composite aerogel with high fire-resistance. <i>Chemical Engineering Journal</i> , 2020 , 399, 125729	14.7	34
110	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	4.5	34
109	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	8.4	34
108	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	5.1	31
107	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	2.9	31

106	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	12.8	31
105	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	3.3	30
104	Self-Derived Superhydrophobic and Multifunctional Polymer Sponge Composite with Excellent Joule Heating and Photothermal Performance for Strain/Pressure Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13316-13326	9.5	30
103	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	6	30
102	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, 92-107	6.7	29
101	Synergistic Effect of Phosphorus-Containing Montmorillonite with Intumescent Flame Retardant in Polypropylene. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 1186-1198	1.4	28
100	Functionalized graphene as an effective antioxidant in natural rubber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 107, 47-54	8.4	27
99	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	10	26
98	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	1.4	26
97	Bioinspired Superhydrophobic Thermochromic Films with Robust Healability. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14578-14587	9.5	25
96	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	1.4	24
95	Synergistic effect of phosphorus-containing nanosponges on intumescent flame-retardant polypropylene. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 1758-1765	2.9	24
94	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	3.3	23
93	A sandwich-like flame retardant nanocoating for supersensitive fire-warning. <i>Chemical Engineering Journal</i> , 2020 , 382, 122929	14.7	23
92	Preparation of functionalized zirconium phosphate and its effect on the flame retardancy of silicone rubber. <i>RSC Advances</i> , 2018 , 8, 111-121	3.7	22
91	Carbonized cotton fabric-based multilayer piezoresistive pressure sensors. <i>Cellulose</i> , 2019 , 26, 5001-5014	4.5	21
90	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	3.9	21
89	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	4.7	20

88	Synthesis and antioxidative properties of a star-shaped macromolecular antioxidant based on β -cyclodextrin. <i>Materials Letters</i> , 2015 , 151, 72-74	3.3	19
87	Hindered phenol functionalized graphene oxide for natural rubber. <i>Materials Letters</i> , 2018 , 210, 239-242	3.3	19
86	Multifunctional MXene/Chitosan-Coated Cotton Fabric for Intelligent Fire Protection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23020-23029	9.5	19
85	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	5.2	19
84	Superhydrophobic MXene@carboxylated carbon nanotubes/carboxymethyl chitosan aerogel for piezoresistive pressure sensor. <i>Chemical Engineering Journal</i> , 2021 , 425, 130462	14.7	19
83	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	4.7	18
82	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	2.3	18
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	4.5	17
80	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	4.5	17
79	Preparation of a flame retardant phosphorus-containing polyacrylate/zirconium phosphate nanocomposite through in situ emulsion polymerization. <i>RSC Advances</i> , 2017 , 7, 49290-49298	3.7	17
78	Superhydrophobic Carbon Nanotubes Membrane for Effective Water-in-Oil Emulsions Separation and Quick Deicing. <i>Industrial & Engineering Chemistry Research</i> , 2019 ,	3.9	16
77	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	3.9	16
76	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	2.2	16
75	Stimuli-responsive superhydrophobic films driven by solvent vapor for electric switch and liquid manipulation. <i>Chemical Engineering Journal</i> , 2020 , 394, 124919	14.7	15
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	6.7	15
73	Synergistic effect between silicone-containing macromolecular charring agent and ammonium polyphosphate in flame retardant polypropylene. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	14
72	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	4.8	13
71	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	3.9	13

70	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	4.7	13
69	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	1.4	12
68	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	4.5	11
67	Enhancement of wollastonite on flame retardancy and mechanical properties of PP/IFR composite. <i>Polymer Composites</i> , 2014 , 35, 158-166	3	11
66	Superhydrophobic MXene based fabric composite for high efficiency solar desalination. <i>Desalination</i> , 2022 , 524, 115475	10.3	11
65	In situ synthesis and characterization of polypropylene/polyvinyl acetate-organophilic montmorillonite nanocomposite. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 4107-4113	2.9	10
64	Light Stimuli-Responsive Superhydrophobic Films for Electric Switches and Water-Droplet Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36621-36631	9.5	10
63	Superhydrophobic and high-performance wood-based piezoresistive pressure sensors for detecting human motions. <i>Chemical Engineering Journal</i> , 2021 , 426, 130837	14.7	10
62	Preparation, structural characterization, and antioxidative behavior in natural rubber of antioxidant GM functionalized nanosilica. <i>Polymer Composites</i> , 2017 , 38, 1241-1247	3	9
61	Study on the anti-abrasion resistance of superhydrophobic coatings based on fluorine-containing acrylates with different T _g and SiO ₂ . <i>RSC Advances</i> , 2017 , 7, 47738-47745	3.7	9
60	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	4.7	9
59	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	10	9
58	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	1.6	9
57	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	2	9
56	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	3.7	9
55	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	4.7	9
54	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	3.2	9
53	Synthesis of Zirconium-Containing Polyhedral Oligometallasilsesquioxane as an Efficient Thermal Stabilizer for Silicone Rubber. <i>Polymers</i> , 2018 , 10,	4.5	9

52	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	6.7	8
51	A facile approach to UV-curable super-hydrophilic polyacrylate coating film grafted on glass substrate 2016 , 13, 1115-1121		8
50	Facile fabrication of superhydrophobic conductive polydimethylsiloxane@silver nanowires cotton fabric via dipping-thermal curing method. <i>Materials Letters</i> , 2019 , 255, 126511	3.3	8
49	In situ preparation of reduced graphene oxide reinforced acrylic rubber by self-assembly. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47187	2.9	8
48	Mussel-inspired cotton fabric with pH-responsive superwettability for bidirectional oil/water separation. <i>Journal of Materials Science</i> , 2019 , 54, 3648-3660	4.3	8
47	Superhydrophobic and phosphorus-nitrogen flame-retardant cotton fabric. <i>Progress in Organic Coatings</i> , 2021 , 159, 106446	4.8	8
46	Phenolic antioxidants based on calixarene: Synthesis, structural characterization, and antioxidative properties in natural rubber. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45144	2.9	7
45	Enhancement of tracking and erosion resistance of silicone rubber with platinum/amino-silane by modulation of crosslinking density. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 741-748	2.3	7
44	Well-defined Seven-arm Star Macromolecular Antioxidant based on β -Cyclodextrin for Stabilization of Natural Rubber. <i>Chemistry Letters</i> , 2016 , 45, 191-193	1.7	7
43	Significant improvement of tribological performances of polyamide 46/polyphenylene oxide alloy by functionalized zirconium phosphate. <i>Tribology International</i> , 2018 , 128, 204-213	4.9	7
42	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	2.2	7
41	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	4.5	7
40	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	9.3	7
39	Effect of hydrogenated acrylic rosin on structure and properties of polyacrylates emulsions by seeded semibatch emulsion polymerization method. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 740-752	2	6
38	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	2	6
37	Improvement of platinum nanoparticles-immobilized β -zirconium phosphate sheets on tracking and erosion resistance of silicone rubber. <i>Composites Part B: Engineering</i> , 2019 , 176, 107203	10	6
36	Kinetics and effect of surfactant and cosurfactant on miniemulsion polymerization of acrylate monomers 2014 , 11, 959-966		6
35	Fabrication of polymethylphenylsiloxane decorated C60 via π -stacking interaction for reducing the flammability of silicone rubber. <i>Materials Letters</i> , 2018 , 229, 85-88	3.3	6

34	Skin-inspired thermoelectric nanocoating for temperature sensing and fire safety. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 756-766	9.3	6
33	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	2	5
32	UV-curable superhydrophobic organosilicon/silica hybrid coating on cotton fabric for oil/water separation 2020 , 17, 1413-1423		5
31	Efficient organic-to-inorganic conversion of polysiloxane by novel platinum-thiol catalytic system. <i>Polymer Degradation and Stability</i> , 2020 , 176, 109161	4.7	5
30	Synthesis and characterization of polyhydroxylated polybutadiene binding 2,2'-thiobis(4-methyl-6-tert-butylphenol) with isophorone diisocyanate. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
29	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	14.7	5
28	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	3.2	5
27	Facile fabrication of superhydrophobic, flame-retardant and conductive polyurethane sponge via dip-coating. <i>Materials Letters</i> , 2021 , 287, 129307	3.3	5
26	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	2.9	5
25	In situ synthesis and properties of hydrogenated rosin/polyacrylate composite miniemulsions-based pressure sensitive adhesives. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 2220-2232	2	4
24	Preparation and Characterization of Nano-TiO ₂ /poly (methyl methacrylate) Hybrid Latex by Reverse Microemulsion Method and In-Situ Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013 , 50, 836-843	2.2	4
23	Superwetable Janus nylon membrane for multifunctional emulsion separation. <i>Journal of Membrane Science</i> , 2022 , 642, 119995	9.6	4
22	Plasma resistance of addition-cure liquid silicone rubber with Ureido-attached MQ silicone resin. <i>Surfaces and Interfaces</i> , 2019 , 14, 55-60	4.1	4
21	Superhydrophobic, flame-retardant and magnetic polyurethane sponge for oil-water separation. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107580	6.8	4
20	Extraction resistance and mechanism of a macromolecular hindered phenol antioxidant in natural rubber. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	3
19	Mechanically robust and multifunctional polyimide/MXene composite aerogel for smart fire protection. <i>Chemical Engineering Journal</i> , 2022 , 434, 134630	14.7	3
18	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	4.3	3
17	Remarkable enhancement of tracking resistance of addition-cure liquid silicone rubber by alkyl-disubstituted ureido siloxane immobilized on the silica filler surface. <i>Polymer Degradation and Stability</i> , 2021 , 188, 109565	4.7	3

16	Synthesis of sulphonic lanthanum complex based on C-methylcalix[4]resorcinarene and its thermo-oxidative aging resistance for natural rubber. <i>Plastics, Rubber and Composites</i> , 2017 , 46, 251-257	1.5	2
15	Synthesis and characterization of ureido-containing MQ silicone resin. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019 , 56, 1141-1147	2.2	2
14	Remarkable enhancement of mechanical and tribological properties of polyamide 46/polyphenylene oxide alloy by polyurethane-coated carbon fiber. <i>High Performance Polymers</i> , 2019 , 31, 1122-1131	1.6	2
13	Functional Nanomaterials: 3D Porous Superhydrophobic CNT/EVA Composites for Recoverable Shape Reconfiguration and Underwater Vibration Detection (Adv. Funct. Mater. 24/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970166	15.6	2
12	Synergistic enhancement of vinyltriethoxysilane and layered MgAl double hydroxide on the tracking and erosion resistance of silicone rubber. <i>Polymer Testing</i> , 2020 , 84, 106373	4.5	2
11	Preparation and Characterization of UV-Curable Cyclohexanone-Formaldehyde Resin and Its Cured Film Properties. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-8	2.4	2
10	N-alkoxyamine-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	3.2	2
9	Significantly improve fire safety of silicone rubber by efficiently catalyzing ceramization on fluorophlogopite. <i>Composites Communications</i> , 2021 , 25, 100683	6.7	2
8	Superhydrophobic, stretchable and conductive elastomeric strip for human motion detection. <i>Materials Letters</i> , 2020 , 280, 128591	3.3	1
7	Improvement of fluorosilicone resin on the tracking resistance of addition-cure liquid silicone rubber. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020 , 57, 725-733	2.2	1
6	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	1.6	1
5	Synthesis and Characterization of Hydrogenated Rosin/Polyacrylate Composite Emulsions by Two-Step Mini-Emulsion Polymerization Method. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014 , 51, 712-717	2.2	1
4	Facile fabrication of superhydrophobic, flame-retardant and conductive cotton fabric for human motion detection. <i>Cellulose</i> , 1	5.5	1
3	Superhydrophobic and conductive polydimethylsiloxane/titanium dioxide@reduced graphene oxide coated cotton fabric for human motion detection. <i>Cellulose</i> , 2021 , 28, 7373-7388	5.5	1
2	Skin-inspired multifunctional MXene/cellulose nanocoating for smart and efficient fire protection. <i>Chemical Engineering Journal</i> , 2022 , 136899	14.7	1
1	Graphene wrapped wood-based phase change composite for efficient electro-thermal energy conversion and storage. <i>Cellulose</i> , 2022 , 29, 223	5.5	0