

# Li Jiangbo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160  
papers

3,978  
citations

34  
h-index

55  
g-index

167  
ext. papers

4,750  
ext. citations

5.4  
avg, IF

5.88  
L-index

#	Paper	IF	Citations
160	Collagen fiber membrane as multi-functional support enabled rational design of ultrahigh-flux separation membrane for the remediation of oil contamination in water.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 432, 128649	12.8	1
159	Tough Underwater Super-tape Composed of Semi-interpenetrating Polymer Networks with a Water-Repelling Liquid Surface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 1535-1544	9.5	12
158	Insights into Regional Wetting Behaviors of Amphiphilic Collagen for Dual Separation of Emulsions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 18209-18217	9.5	3
157	Mechanically robust smart hydrogels enabled by an organic-inorganic hybridized crosslinker. <i>Polymer</i> , <b>2021</b> , 214, 123236	3.9	4
156	Tanning agent free leather making enabled by the dispersity of collagen fibers combined with superhydrophobic coating. <i>Green Chemistry</i> , <b>2021</b> , 23, 3581-3587	10	5
155	Constructing hydrophobic protection for ionic interactions toward water, acid, and base-resistant self-healing elastomers and electronic devices. <i>Science China Materials</i> , <b>2021</b> , 64, 1780-1790	7.1	7
154	Thermal and mechanical activation of dynamically stable ionic interaction toward self-healing strengthening elastomers. <i>Materials Horizons</i> , <b>2021</b> , 8, 2553-2561	14.4	7
153	Ultrarobust, tough and highly stretchable self-healing materials based on cartilage-inspired noncovalent assembly nanostructure. <i>Nature Communications</i> , <b>2021</b> , 12, 1291	17.4	105
152	Reinforcing self-healing and Re-processable ionomers with carbon black: An investigation on the network structure and molecular mobility. <i>Composites Science and Technology</i> , <b>2021</b> , 216, 109035	8.6	4
151	Collagen Fiber-based Advanced Separation Materials: Recent Developments and Future Perspectives. <i>Advanced Materials</i> , <b>2021</b> , e2107891	24	4
150	A strain-adaptive, self-healing, breathable and perceptive bottle-brush material inspired by skin. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 24645-24654	13	11
149	The effects of proteins and phospholipids on the network structure of natural rubber: a rheological study in bulk and in solution. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	4
148	Room-temperature autonomous self-healing glassy polymers with hyperbranched structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11299-11305	11.5	65
147	Wide-range linear viscoelastic hydrogels with high mechanical properties and their applications in quantifiable stress-strain sensors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125697	14.7	14
146	Iridium-Catalyzed Carbenoid Insertion of Sulfoxonium Ylides for Synthesis of Quinoxalines and $\beta$ -keto Thioethers in Water. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 4635-4638	3.2	7
145	Three-Dimensional Programmable, Reconfigurable, and Recyclable Biomass Soft Actuators Enabled by Designing an Inverse Opal-Mimetic Structure with Exchangeable Interfacial Crosslinks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15757-15764	9.5	13
144	Collagen fibers with tuned wetting properties for dual separation of oil-in-water and water-in-oil emulsion. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 24388-24392	13	7

143	Self-Healing Amorphous Polymers with Room-Temperature Phosphorescence Enabled by Boron-Based Dative Bonds. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 699-705	4.3	12
142	A Degradable and Self-Healable Vitrimer Based on Non-isocyanate Polyurethane. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 585569	5	6
141	Electron-Donating Effect Enabled Simultaneous Improvement on the Mechanical and Self-Healing Properties of Bromobutyl Rubber Ionomers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 53239-53248	9.5	12
140	Synergistic Combination of the Capillary Effect of Collagen Fibers and Size-Sieving Merits of Metal-Organic Frameworks for Emulsion Separation with High Flux. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 14925-14934	3.9	8
139	Transparent, robust, water-resistant and high-barrier self-healing elastomers reinforced with dynamic supramolecular nanosheets with switchable interfacial connections. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9013-9020	13	17
138	Collagen-based breathable, humidity-ultrastable and degradable on-skin device. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2548-2556	7.1	14
137	Tough, ultrastretchable and tear-resistant hydrogels enabled by linear macro-cross-linker. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 3503-3513	4.9	17
136	Highly Stretchable and Self-Healing "Solid-Liquid" Elastomer with Strain-Rate Sensing Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19534-19540	9.5	39
135	Mechanically robust, notch-insensitive, fatigue resistant and self-recoverable hydrogels with homogeneous and viscoelastic network constructed by a novel multifunctional cross-linker. <i>Polymer</i> , <b>2019</b> , 179, 121661	3.9	6
134	Radionuclide tolerance mechanism of plants for ultraselective enrichment of low content of thorium with exceptional selectivity coefficient. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 380, 120893	12.8	1
133	Ultra-Tough, Strong, and Defect-Tolerant Elastomers with Self-Healing and Intelligent-Responsive Abilities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29373-29381	9.5	34
132	Compatibility driven self-strengthening during the radical-responsive remolding process of poly-isoprene vitrimers. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25324-25332	13	14
131	Effect of incompletely condensed tri-silanol-phenyl-POSS on the thermal stability of silicone rubber. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 2835-2850	2.4	12
130	Mechanically robust, ultrastretchable and thermal conducting composite hydrogel and its biomedical applications. <i>Chemical Engineering Journal</i> , <b>2019</b> , 360, 231-242	14.7	18
129	Characterizing the naturally occurring sacrificial bond within natural rubber. <i>Polymer</i> , <b>2019</b> , 161, 41-48	3.9	12
128	Simultaneously reinforcing and toughening epoxy network with a novel hyperbranched polysiloxane modifier. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46340	2.9	13
127	Double network epoxies with simultaneous high mechanical property and shape memory performance. <i>Journal of Polymer Research</i> , <b>2018</b> , 25, 1	2.7	2
126	Stability, seepage and displacement characteristics of heterogeneous branched-preformed particle gels for enhanced oil recovery.. <i>RSC Advances</i> , <b>2018</b> , 8, 4881-4889	3.7	9

125	Synergistic effect of CB and GO/CNT hybrid fillers on the mechanical properties and fatigue behavior of NR composites.. <i>RSC Advances</i> , <b>2018</b> , 8, 10573-10581	3.7	13
124	Detecting structural orientation in isoprene rubber/multiwall carbon nanotube nanocomposites at different scales during uniaxial deformation. <i>Polymer International</i> , <b>2018</b> , 67, 258-268	3.3	10
123	Polyphenolic-Chemistry-Enabled, Mechanically Robust, Flame Resistant and Superhydrophobic Membrane for Separation of Mixed Surfactant-Stabilized Emulsions. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 10953-10958	4.8	5
122	Competitive adsorption for simultaneous removal of emulsified water and surfactants from mixed surfactant-stabilized emulsions with high flux. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14058-14064	13	14
121	Rücktitelbild: Towards a Supertough Thermoplastic Polyisoprene Elastomer Based on a Biomimic Strategy (Angew. Chem. 48/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16136-16136	3.6	
120	Strong and tough self-healing elastomers enabled by dual reversible networks formed by ionic interactions and dynamic covalent bonds. <i>Polymer</i> , <b>2018</b> , 157, 172-179	3.9	53
119	Plant Polyphenols as Multifunctional Platforms To Fabricate Three-Dimensional Superhydrophobic Foams for Oil/Water and Emulsion Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 16442-16450	3.9	14
118	Towards a Supertough Thermoplastic Polyisoprene Elastomer Based on a Biomimic Strategy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16062-16066	3.6	3
117	Towards a Supertough Thermoplastic Polyisoprene Elastomer Based on a Biomimic Strategy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15836-15840	16.4	23
116	Super tough and strong self-healing elastomers based on polyampholytes. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 19066-19074	13	77
115	Simultaneous reinforcement and toughness improvement of an epoxy-phenolic network with a hyperbranched polysiloxane modifier.. <i>RSC Advances</i> , <b>2018</b> , 8, 17606-17615	3.7	13
114	Self-recovery magnetic hydrogel with high strength and toughness using nanofibrillated cellulose as a dispersing agent and filler. <i>Carbohydrate Polymers</i> , <b>2018</b> , 196, 82-91	10.3	28
113	Graphene oxide induced crosslinking and reinforcement of elastomers. <i>Composites Science and Technology</i> , <b>2017</b> , 144, 223-229	8.6	66
112	A low-cost and water resistant biomass adhesive derived from the hydrolysate of leather waste. <i>RSC Advances</i> , <b>2017</b> , 7, 4024-4029	3.7	10
111	Super-Resolution Fluorescence Imaging of Spatial Organization of Proteins and Lipids in Natural Rubber. <i>Biomacromolecules</i> , <b>2017</b> , 18, 1705-1712	6.9	27
110	Mechanically robust and shape-memory hybrid aerogels for super-insulating applications. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15048-15055	13	23
109	The synthesis of graphene-based antioxidants to promote anti-thermal properties of styrene-butadiene rubber. <i>RSC Advances</i> , <b>2017</b> , 7, 53596-53603	3.7	17
108	A facile method to fabricate hybrid hydrogels with mechanical toughness using a novel multifunctional cross-linker. <i>RSC Advances</i> , <b>2017</b> , 7, 35311-35319	3.7	21

107	A facile synthesis of a highly stable superhydrophobic nanofibrous film for effective oil/water separation. <i>RSC Advances</i> , <b>2016</b> , 6, 82352-82358	3.7	8
106	Toughening diene elastomers by strong hydrogen bond interactions. <i>Polymer</i> , <b>2016</b> , 106, 21-28	3.9	57
105	Study of molecular weight and chain branching architectures of natural rubber. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	11
104	Hierarchically structured C@SnO <sub>2</sub> @C nanofiber bundles with high stability and effective ambipolar diffusion kinetics for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18783-18791 <sup>34</sup>	3.7	16
103	Bioinspired Engineering of Two Different Types of Sacrificial Bonds into Chemically Cross-Linked cis-1,4-Polyisoprene toward a High-Performance Elastomer. <i>Macromolecules</i> , <b>2016</b> , 49, 8593-8604	5.5	106
102	Natural collagen fiber-enabled facile synthesis of carbon@Fe <sub>3</sub> O <sub>4</sub> core-shell nanofiber bundles and their application as ultrahigh-rate anode materials for Li-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 10824-10830	3.7	16
101	Lightweight and high-performance electromagnetic radiation shielding composites based on a surface coating of Cu@Ag nanoflakes on a leather matrix. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 914-920	7.1	35
100	A novel phosphatidylcholine-modified polyisoprene: synthesis and characterization. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 433-439	2.4	6
99	Mechanochemistry modified waste rubber powder and its application in hydrogel. <i>Journal of Polymer Research</i> , <b>2016</b> , 23, 1	2.7	3
98	Enhanced power factor within graphene hybridized carbon aerogels. <i>RSC Advances</i> , <b>2015</b> , 5, 25650-25656	6.7	21
97	A review of the slow relaxation processes in the glass-rubber transition region of amorphous polymers. <i>Phase Transitions</i> , <b>2015</b> , 88, 843-858	1.3	7
96	A Shish-kebab superstructure in low-crystallinity elastomer nanocomposites: Morphology regulation and load-transfer. <i>Macromolecular Research</i> , <b>2015</b> , 23, 537-544	1.9	9
95	Graphene as a prominent antioxidant for diolefin elastomers. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5942-5948	13	64
94	Structural evolution of OBC/carbon nanotube bundle nanocomposites under uniaxial deformation. <i>RSC Advances</i> , <b>2015</b> , 5, 32909-32919	3.7	2
93	New insights into reinforcement mechanism of nanoclay-filled isoprene rubber during uniaxial deformation by in situ synchrotron X-ray diffraction. <i>RSC Advances</i> , <b>2015</b> , 5, 25171-25182	3.7	29
92	Interfacial crystallization of low-crystallinity elastomer incorporated by multi-walled carbon nanotubes: Mechanical reinforcement, structural evolution and enhanced thermal stability. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	3
91	Antioxidation efficiency and reinforcement performance of precipitated-silica-based immobile antioxidants obtained by a sol method in natural rubber composites. <i>RSC Advances</i> , <b>2015</b> , 5, 92344-92353	3.7	14
90	Effect of nanosilica-based immobile antioxidant on thermal oxidative degradation of SBR. <i>RSC Advances</i> , <b>2015</b> , 5, 62788-62796	3.7	22

89	Observing Nucleation Transition in Stretched Natural Rubber through Self-Seeding. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 11887-92	3.4	4
88	A rheological study on non-rubber component networks in natural rubber. <i>RSC Advances</i> , <b>2015</b> , 5, 91742-91750	3.7	24
87	Toughening rubbers with a hybrid filler network of graphene and carbon nanotubes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22385-22392	13	77
86	Ferromagnetic hierarchical carbon nanofiber bundles derived from natural collagen fibers: truly lightweight and high-performance microwave absorption materials. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10146-10153	7.1	63
85	Polyhedral oligomeric silsesquioxane/silica/polydimethylsiloxane rubber composites with enhanced mechanical and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	2
84	Vanadium Pentoxide-Based Cathode Materials for Lithium-Ion Batteries: Morphology Control, Carbon Hybridization, and Cation Doping. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 276-294 <sup>1</sup>	3.1	50
83	Propargyl ether-functionalized poly(m-phenylene): a new precursor for the preparation of polymers with high modulus and high Tg. <i>RSC Advances</i> , <b>2015</b> , 5, 23009-23014	3.7	10
82	New evidence disclosed for networking in natural rubber by dielectric relaxation spectroscopy. <i>Soft Matter</i> , <b>2015</b> , 11, 2290-9	3.6	37
81	Dynamics of Poly (butyl acrylate) and Poly (ethyl acrylate) with internal double bonds. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	13
80	Enhanced electrical conductivity and mechanical property of SBS/graphene nanocomposite. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	20
79	Homogenization of natural rubber network induced by nanoclay. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	4
78	Relaxation behavior and time-temperature superposition (TTS) profiles of thermally aged styrene-butadiene rubber (SBR). <i>Macromolecular Research</i> , <b>2014</b> , 22, 820-825	1.9	5
77	Effect of polyhedral oligomeric silsesquioxane (POSS) on crystallization behaviors of POSS/polydimethylsiloxane rubber nanocomposites. <i>RSC Advances</i> , <b>2014</b> , 4, 6275-6283	3.7	35
76	Facile synthesis of mesoporous sulfated Ce/TiO <sub>2</sub> nanofiber solid superacid with nanocrystalline frameworks by using collagen fibers as a biotemplate and its application in esterification. <i>RSC Advances</i> , <b>2014</b> , 4, 4010-4019	3.7	29
75	Flow Mechanism of Partially Cross-Linked Polyacrylamide in Porous Media. <i>Journal of Dispersion Science and Technology</i> , <b>2014</b> , 35, 1270-1277	1.5	1
74	Nucleating effect of multi-walled carbon nanotubes and graphene on the crystallization kinetics and melting behavior of olefin block copolymers. <i>RSC Advances</i> , <b>2014</b> , 4, 19024	3.7	15
73	Rheological behaviors and molecular motions of semi-diluted Xanthan solutions under shear: Experimental studies. <i>Polymer Science - Series A</i> , <b>2014</b> , 56, 687-696	1.2	6
72	Influences of polyhedral oligomeric silsesquioxanes (POSSs) containing different functional groups on crystallization and melting behaviors of POSS/polydimethylsiloxane rubber composites. <i>RSC Advances</i> , <b>2014</b> , 4, 41364-41370	3.7	19

71	Synthesis of polyborosiloxane and its reversible physical crosslinks. <i>RSC Advances</i> , <b>2014</b> , 4, 32894-32901	3.7	34
70	Carbon Nanotube-Encapsulated Noble Metal Nanoparticle Hybrid as a Cathode Material for Li-Oxygen Batteries. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6516-6523	15.6	143
69	Enhanced mechanical properties of graphene/natural rubber nanocomposites at low content. <i>Polymer International</i> , <b>2014</b> , 63, 1674-1681	3.3	71
68	Synthesis and thermal properties of modified room temperature vulcanized (RTV) silicone rubber using polyhedral oligomeric silsesquioxane (POSS) as a cross linking agent. <i>RSC Advances</i> , <b>2014</b> , 4, 41453-41460	3.7	140
67	Study on the stretch induced phase transition of $\beta$ -trans-1,4-polyisoprene by in-situ SAXS and WAXS measurements. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	8
66	Thermogravimetric studies of styrene-butadiene rubber (SBR) after accelerated thermal aging. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 247-254	4.1	12
65	Thermal oxidative degradation of styrene-butadiene rubber (SBR) studied by 2D correlation analysis and kinetic analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 647-657	4.1	26
64	The proper glass transition temperature of amorphous polymers on dynamic mechanical spectra. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 116, 447-453	4.1	25
63	Effect of nanosilica on thermal oxidative degradation of SBR. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 116, 359-366	4.1	8
62	Solution Grafting of Maleic Anhydride on Low-Density Polyethylene: Effect on Crystallization Behavior. <i>Journal of Macromolecular Science - Physics</i> , <b>2013</b> , 52, 1265-1282	1.4	16
61	Synthesis and thermal properties of novel room temperature vulcanized (RTV) silicone rubber containing POSS units in polysioxane main chains. <i>Journal of Polymer Research</i> , <b>2013</b> , 20, 1	2.7	15
60	Synthesis and aqueous solution properties of novel thermosensitive polyacrylamide derivatives. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 766-775	2.9	7
59	Antiaging Mechanism for Partly Crosslinked Polyacrylamide in Saline Solution under High-Temperature and High-Salinity Conditions. <i>Journal of Macromolecular Science - Physics</i> , <b>2013</b> , 52, 113-126	1.4	11
58	Investigation on the thermal oxidative aging mechanism and lifetime prediction of butyl rubber. <i>Macromolecular Research</i> , <b>2013</b> , 21, 10-16	1.9	12
57	Intermediate state and weak intermolecular interactions of $\beta$ -trans-1,4-Polyisoprene during the gradual cooling crystallization process investigated by In situ FTIR and two-dimensional infrared correlation spectroscopy. <i>Macromolecular Research</i> , <b>2013</b> , 21, 493-501	1.9	7
56	Vulcanization kinetics of graphene/natural rubber nanocomposites. <i>Polymer</i> , <b>2013</b> , 54, 3314-3323	3.9	140
55	A facile approach to the fabrication of graphene-based nanocomposites by latex mixing and in situ reduction. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 2279-2287	2.4	20
54	One-Pot Facile Synthesis of Cerium-Doped TiO <sub>2</sub> Mesoporous Nanofibers Using Collagen Fiber As the Biotemplate and Its Application in Visible Light Photocatalysis. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 9739-9746	3.8	78

53	Sensitive Parameter Predicting Steady-State Pressure Difference of Partially Crosslinked Polyacrylamide Suspension in Core Flow Experiments. <i>Journal of Macromolecular Science - Physics</i> , <b>2013</b> , 52, 1030-1040	1.4	1
52	Synthesis of a New Nanosilica-Based Antioxidant and Its Influence on the Anti-Oxidation Performance of Natural Rubber. <i>Journal of Macromolecular Science - Physics</i> , <b>2013</b> , 52, 84-94	1.4	15
51	Synthesis of nanosilica-based immobile antioxidant and its antioxidative efficiency in SBR composites. <i>Polymer Composites</i> , <b>2013</b> , 34, 1856-1862	3	33
50	Mechanism of Formation of Partially Crosslinked Polyacrylamide Complexes. <i>Journal of Macromolecular Science - Physics</i> , <b>2013</b> , 52, 22-35	1.4	5
49	Crack initiation of natural rubber under high temperature fatigue loading. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 4274-4280	2.9	0
48	Strain-induced crystallization of natural rubber with high strain rates. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2012</b> , 50, 1630-1637	2.6	13
47	Synthesis and rheological properties of hydrophobically modified poly(vinyl alcohol). <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	5
46	Improved resistance to crack growth of natural rubber by the inclusion of nanoclay. <i>Polymers for Advanced Technologies</i> , <b>2012</b> , 23, 85-91	3.2	20
45	Study on the self-crosslinking behavior based on polychloroprene rubber and epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1084-1090	2.9	12
44	Study on the mechanism of the formation of polyhedral oligomeric silsesquioxanes by the 2D correlation infrared spectral. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 3658-3665	2.9	7
43	Accelerated thermal ageing studies of polydimethylsiloxane (PDMS) rubber. <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	29
42	The dynamic characteristics of silicone rubber isolator. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2012</b> , 27, 130-133	1	7
41	Polyphenol-grafted collagen fiber as reductant and stabilizer for one-step synthesis of size-controlled gold nanoparticles and their catalytic application to 4-nitrophenol reduction. <i>Green Chemistry</i> , <b>2011</b> , 13, 651	10	146
40	One-step room-temperature synthesis of Au@Pd core-shell nanoparticles with tunable structure using plant tannin as reductant and stabilizer. <i>Green Chemistry</i> , <b>2011</b> , 13, 950	10	91
39	Dynamic Fatigue Behavior of Natural Rubber Reinforced with Nanoclay and Carbon Black. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 1646-1657	1.4	2
38	Synthesis of highly active and reusable supported gold nanoparticles and their catalytic applications to 4-nitrophenol reduction. <i>Green Chemistry</i> , <b>2011</b> , 13, 2801	10	87
37	Molecular dynamics in chlorinated butyl rubber containing organophilic montmorillonite nanoparticles. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 2213-2220	2.7	22
36	Skin collagen fiber-based radar absorbing materials. <i>Science Bulletin</i> , <b>2011</b> , 56, 202-208		5



35	Structural evolution during uniaxial deformation of natural rubber reinforced with nano-alumina. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 2001-2008	3.2	10
34	Strain-induced crystallization behavior of natural rubber and trans-1,4-polyisoprene crosslinked blends. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 1346-1354	2.9	11
33	Strain-induced crystallization behavior of polychloroprene rubber. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 37-42	2.9	11
32	Detecting different modes of molecular motion in polyisobutylene and chlorinated butyl rubber by using dielectric probes. <i>Soft Matter</i> , <b>2011</b> , 7, 9224	3.6	20
31	Synthesis and Aqueous Solution Properties of a Novel NonIonic, Amphiphilic Comb-Type Polyacrylamide. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 1691-1704	1.4	23
30	Rheological Properties of Template Polymerization Polyacrylamide Aqueous Solutions. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 2203-2213	1.4	5
29	Design and Dynamics Investigation for a Silicone Rubber Shock Absorber. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 540-550	1.4	2
28	The Variation of Composition of Resols Under Different Reaction Conditions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 48, 142-147	2.2	2
27	One-step, size-controlled synthesis of gold nanoparticles at room temperature using plant tannin. <i>Green Chemistry</i> , <b>2010</b> , 12, 395-399	10	178
26	Effect of Alkyl Side Chain Length on Relaxation Behaviors in Poly(n-alkyl Acrylates) and Poly(n-alkyl Methacrylates). <i>Journal of Macromolecular Science - Physics</i> , <b>2010</b> , 50, 188-200	1.4	14
25	Cure kinetics and morphology of natural rubber reinforced by the in situ polymerization of zinc dimethacrylate. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 115, 99-106	2.9	101
24	Relationship between the material properties and fatigue crack-growth characteristics of natural rubber filled with different carbon blacks. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, n/a-n/a	2.9	4
23	Natural rubber with low heat generation achieved by the inclusion of boron carbide. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	2
22	The influence of montmorillonite on the anti-reversion in the rubber/clay composites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 306-311	2.9	6
21	Tannin-immobilized mesoporous silica bead (BT-SiO <sub>2</sub> ) as an effective adsorbent of Cr(III) in aqueous solutions. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 173, 33-9	12.8	58
20	Adsorptive recovery of Au <sup>3+</sup> from aqueous solutions using bayberry tannin-immobilized mesoporous silica. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 183, 793-8	12.8	105
19	Confinement effect of polystyrene on the relaxation behavior of polyisobutylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 2165-2172	2.6	26
18	Synergistic reinforcement of nanoclay and carbon black in natural rubber. <i>Polymer International</i> , <b>2010</b> , 59, 1397-1402	3.3	48

17	Effect of vinyl acetate on aging mechanism of polyacrylate under UV light. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 1717-1724	2.9	2
16	Improved mechanical properties and special reinforcement mechanism of natural rubber reinforced by in situ polymerization of zinc dimethacrylate. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 116, n/a-n/a	2.9	3
15	Pd(0) Nanoparticle Stabilized by Tannin-grafted SiO <sub>2</sub> Beads and Its Application in Liquid-hydrogenation of Unsaturated Organic Compounds. <i>Catalysis Letters</i> , <b>2009</b> , 133, 192-200	2.8	11
14	Adsorption removal of phosphate in industrial wastewater by using metal-loaded skin split waste. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 166, 1261-5	12.8	80
13	Hg(II) removal from aqueous solution by bayberry tannin-immobilized collagen fiber. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 170, 1141-8	12.8	76
12	Soluble amphiphilic tannin-stabilized Pd(0) nanoparticles: a highly active and selective homogeneous catalyst used in a biphasic catalytic system. <i>Chemical Communications</i> , <b>2009</b> , 4687-9	5.8	34
11	Effect of diphenylsiloxane unit content on aggregation structure of poly(dimethylsiloxane-co-diphenylsiloxane). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 72-79	2.6	20
10	Effect of diphenylsiloxane unit content on relaxation behavior of poly(dimethylsiloxane-co-diphenylsiloxane). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 1652-1659	2.6	9
9	Damping characteristics of chlorobutyl rubber/poly(ethyl acrylate)/piezoelectric ceramic/carbon black composites. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 3670-3676	2.9	17
8	Kinetics study on the formation of resol with high content of hydroxymethyl group. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 3157-3162	2.9	6
7	An effect of OMMT on the anti-reversion in NR/CR blend system. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 111, NA-NA	2.9	2
6	Study on the morphology, rheology and surface of dynamically vulcanized chlorinated butyl rubber/polyethylacrylate extrudates: effect of extrusion temperature and times. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 4494-4501	4.3	8
5	A novel impedance matching material derived from polymer micro-particles. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 199-206	4.3	15
4	Damping mechanism of chlorobutyl rubber and phenolic resin vulcanized blends. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 7256-7262	4.3	36
3	Rheological Behavior of Partially Hydrolyzed Polyacrylamide Hydrogel Produced by Chemical Gelation. <i>Journal of Macromolecular Science - Physics</i> , <b>2007</b> , 47, 26-38	1.4	10
2	Sound absorption characteristics of polymer microparticles. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 2675-2679	2.9	53
1	A fast-healing and high-performance metallosupramolecular elastomer based on pyridine-Cu coordination. <i>Science China Materials</i> , <b>1</b>	7.1	0