

Yi-Hu Song

List of Publications by Year in descending order

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263
papers

7,803
citations

53794

45
h-index

74163

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264
all docs

264
docs citations

264
times ranked

7447
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Coordination Complexes Mediated Physical Hydrogels with High Toughness, Stick-Slip Tearing Behavior, and Good Processability. <i>Macromolecules</i> , 2016, 49, 9637-9646.	4.8	320
2	Progress in Study of Non-Isocyanate Polyurethane. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6517-6527.	3.7	302
3	Ultrastiff and Tough Supramolecular Hydrogels with a Dense and Robust Hydrogen Bond Network. <i>Chemistry of Materials</i> , 2019, 31, 1430-1440.	6.7	241
4	Calculating barrier properties of polymer/clay nanocomposites: Effects of clay layers. <i>Polymer</i> , 2006, 47, 2904-2910.	3.8	227
5	Environmentally friendly reduced graphene oxide as a broad-spectrum adsorbent for anionic and cationic dyes via π - π interactions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12126-12135.	10.3	210
6	Graphene/nanofiber aerogels: Performance regulation towards multiple applications in dye adsorption and oil/water separation. <i>Chemical Engineering Journal</i> , 2018, 338, 202-210.	12.7	198
7	Concepts and conflicts in nanoparticles reinforcement to polymers beyond hydrodynamics. <i>Progress in Materials Science</i> , 2016, 84, 1-58.	32.8	186
8	Dynamic rheological properties of wheat flour dough and proteins. <i>Trends in Food Science and Technology</i> , 2007, 18, 132-138.	15.1	181
9	Phase morphology and impact toughness of impact polypropylene copolymer. <i>Polymer</i> , 2005, 46, 3522-3527.	3.8	114
10	A flyweight and superelastic graphene aerogel as a high-capacity adsorbent and highly sensitive pressure sensor. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9074-9080.	10.3	114
11	Construction of sandwich-like porous structure of graphene-coated foam composites for ultrasensitive and flexible pressure sensors. <i>Nanoscale</i> , 2019, 11, 10229-10238.	5.6	111
12	Morphologies and properties of thermo-molded biodegradable plastics based on glycerol-plasticized wheat gluten. <i>Food Hydrocolloids</i> , 2007, 21, 1005-1013.	10.7	109
13	Hydrogen bonding-driven rheological modulation of chemically reduced graphene oxide/poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlo	5.6	108
14	Improved Toughness and Stability of κ -Carrageenan/Polyacrylamide Double-Network Hydrogels by Dual Cross-Linking of the First Network. <i>Macromolecules</i> , 2019, 52, 629-638.	4.8	106
15	Bio-filler from waste shellfish shell: Preparation, characterization, and its effect on the mechanical properties on polypropylene composites. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 256-262.	12.4	101
16	Linear rheology of nanofilled polymers. <i>Journal of Rheology</i> , 2015, 59, 155-191.	2.6	95
17	Grafting of copolymers onto graphene by miniemulsion polymerization for conductive polymer composites: improved electrical conductivity and compatibility induced by interfacial distribution of graphene. <i>Polymer Chemistry</i> , 2013, 4, 2939.	3.9	93
18	Linear viscoelasticity of polymer melts filled with nano-sized fillers. <i>Polymer</i> , 2010, 51, 3262-3268.	3.8	90

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19	Multifunctional graphene/poly(vinyl alcohol) aerogels: In situ hydrothermal preparation and applications in broad-spectrum adsorption for dyes and oils. <i>Carbon</i> , 2017, 123, 354-363.	10.3	89
20	Influence of lanthanum stearate as a co-stabilizer on stabilization efficiency of calcium/zinc stabilizers to polyvinyl chloride. <i>Polymer Degradation and Stability</i> , 2009, 94, 845-850.	5.8	88
21	Thermal-induced percolation in high-density polyethylene/carbon black composites. <i>Polymer</i> , 2009, 50, 6350-6356.	3.8	83
22	Payne effect of silica-filled styrene-butadiene rubber. <i>Polymer</i> , 2017, 116, 304-313.	3.8	77
23	Thermo-molded wheat gluten plastics plasticized with glycerol: Effect of molding temperature. <i>Food Hydrocolloids</i> , 2008, 22, 1006-1013.	10.7	71
24	A Guide for Hydrodynamic Reinforcement Effect in Nanoparticle-filled Polymers. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016, 41, 318-346.	12.3	71
25	Viscoelastic Behaviors of Carbon Black Gel Extracted from Highly Filled Natural Rubber Compounds: Insights into the Payne Effect. <i>Macromolecules</i> , 2016, 49, 1454-1463.	4.8	70
26	Hydrophobic association mediated physical hydrogels with high strength and healing ability. <i>Polymer</i> , 2016, 100, 60-68.	3.8	68
27	Formation of β -crystal from nonisothermal crystallization of compression-molded isotactic polypropylene melt. <i>European Polymer Journal</i> , 2005, 41, 1766-1771.	5.4	66
28	Hydrogen bond reinforced poly(1-vinylimidazole-co-acrylic acid) hydrogels with high toughness, fast self-recovery, and dual pH-responsiveness. <i>Polymer</i> , 2017, 131, 95-103.	3.8	65
29	Conductive and viscoelastic behaviors of carbon black filled polystyrene during annealing. <i>Carbon</i> , 2010, 48, 4268-4275.	10.3	61
30	Structure, morphology and non-isothermal crystallization behavior of polypropylene catalloys. <i>Polymer</i> , 2005, 46, 3163-3174.	3.8	59
31	Time-dependent uniaxial piezoresistive behavior of high-density polyethylene/short carbon fiber conductive composites. <i>Journal of Materials Research</i> , 2004, 19, 2625-2634.	2.6	57
32	Insight into the weak strain overshoot of carbon black filled natural rubber. <i>Polymer</i> , 2019, 167, 109-117.	3.8	57
33	Nonlinear rheological behavior of silica filled solution- ϵ -polymerized styrene butadiene rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2594-2602.	2.1	55
34	Rheology of fumed silica/polydimethylsiloxane suspensions. <i>Journal of Rheology</i> , 2017, 61, 205-215.	2.6	55
35	Synergistic effects of CNT and GO on enhancing mechanical properties and separation performance of polyelectrolyte complex membranes. <i>Materials and Design</i> , 2017, 119, 38-46.	7.0	55
36	Influence of carbon black on the Payne effect of filled natural rubber compounds. <i>Composites Science and Technology</i> , 2021, 203, 108586.	7.8	53

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37	Green biocomposites from wheat gluten and hydroxyethyl cellulose: Processing and properties. <i>Industrial Crops and Products</i> , 2008, 28, 56-62.	5.2	52
38	Comparison of the Mechanical Properties of Cellulose and Starch Films. <i>Biomacromolecules</i> , 2010, 11, 126-132.	5.4	52
39	Payne effect of carbon black filled natural rubber compounds and their carbon black gels. <i>Polymer</i> , 2019, 185, 121953.	3.8	52
40	Dynamic rheological properties for HDPE/CB composite melts. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2160-2167.	2.6	51
41	Energy dissipation accompanying Mullins effect of nitrile butadiene rubber/carbon black nanocomposites. <i>Polymer</i> , 2019, 171, 106-114.	3.8	51
42	Segmental Orientations and Deformation Mechanism of Poly(ether-block-amide) Films. <i>Macromolecules</i> , 2004, 37, 6219-6226.	4.8	50
43	Dynamic rheology and dielectric relaxation of poly(vinylidene fluoride)/poly(methyl methacrylate) blends. <i>Composites Science and Technology</i> , 2015, 106, 39-46.	7.8	50
44	Flame retarding and reinforcing modification of ramie/polybenzoxazine composites by surface treatment of ramie fabric. <i>Composites Science and Technology</i> , 2015, 121, 82-88.	7.8	47
45	L-cysteine-reduced graphene oxide/poly(vinyl alcohol) ultralight aerogel as a broad-spectrum adsorbent for anionic and cationic dyes. <i>Journal of Materials Science</i> , 2017, 52, 5807-5821.	3.7	47
46	Reconsideration of the Rheology of Silica Filled Natural Rubber Compounds. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5867-5875.	2.6	47
47	A novel method for fabricating polyelectrolyte complex/inorganic nanohybrid membranes with high isopropanol dehydration performance. <i>Journal of Membrane Science</i> , 2009, 345, 233-241.	8.2	44
48	Application of two phase model to linear viscoelasticity of reinforced rubbers. <i>Polymer</i> , 2011, 52, 593-596.	3.8	44
49	Steady and dynamic rheological behaviors of sodium carboxymethyl cellulose entangled semi-dilute solution with opposite charged surfactant dodecyl-trimethylammonium bromide. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 236-242.	9.4	43
50	Processing tough supramolecular hydrogels with tunable strength of polyion complex. <i>Polymer</i> , 2016, 95, 9-17.	3.8	43
51	Improved tensile strength of glycerol-plasticized gluten bioplastic containing hydrophobic liquids. <i>Bioresource Technology</i> , 2008, 99, 7665-7671.	9.6	42
52	Preparation and functional properties of blend films of gliadins and chitosan. <i>Carbohydrate Polymers</i> , 2010, 81, 484-490.	10.2	42
53	Strategy to construct polyzwitterionic hydrogel coating with antifouling, drag-reducing and weak swelling performance. <i>RSC Advances</i> , 2019, 9, 2081-2091.	3.6	42
54	Percolation transition and hydrostatic piezoresistance for carbon black filled poly(methylvinylsiloxane) vulcanizates. <i>Carbon</i> , 2008, 46, 679-691.	10.3	41

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55	Effects of ionic liquid on cellulosic nanofiller filled natural rubber bionanocomposites. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 409-417.	9.4	41
56	Preparation and properties of wheat gluten/methylcellulose binary blend film casting from aqueous ammonia: A comparison with compression molded composites. <i>Journal of Food Engineering</i> , 2009, 91, 415-422.	5.2	40
57	A Facile, Multifunctional, Transparent, and Superhydrophobic Coating Based on a Nanoscale Porous Structure Spontaneously Assembled from Branched Silica Nanoparticles. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500201.	3.7	40
58	Use of WLF-like Function for Describing the Nonlinear Phase Separation Behavior of Binary Polymer Blends. <i>Macromolecules</i> , 2001, 34, 8483-8489.	4.8	39
59	Rheological behaviors of doughs reconstituted from wheat gluten and starch. <i>Journal of Food Science and Technology</i> , 2011, 48, 489-493.	2.8	39
60	Reinforcement and Payne effect of hydrophobic silica filled natural rubber nanocomposites. <i>Composites Science and Technology</i> , 2020, 187, 107943.	7.8	39
61	Molecular Orientations and True Stress-Strain Relationship in Isotactic Polypropylene Film. <i>Macromolecules</i> , 2003, 36, 8066-8073.	4.8	38
62	Deformation Mechanisms of Polymer Thin Films by Simultaneous Kinetic Measurement of Microscopic Infrared Dichroism and Macroscopic Stress. 2. Molecular Orientation during Necking Process of Isotactic Polypropylene. <i>Macromolecules</i> , 2003, 36, 1955-1961.	4.8	38
63	Characterization of carbon black-filled immiscible polypropylene/polystyrene blends. <i>Polymer International</i> , 2011, 60, 823-832.	3.1	38
64	Understanding the reinforcement and dissipation of natural rubber compounds filled with hybrid filler composed of carbon black and silica. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 1436-1446.	3.8	38
65	Effect of Loop/Bridge Conformation Ratio on Elastic Properties of the Sphere-Forming ABA Triblock Copolymers under Uniaxial Elongation. <i>Macromolecules</i> , 2005, 38, 9724-9729.	4.8	37
66	Influence of annealing on linear viscoelasticity of carbon black filled polystyrene and low-density polyethylene. <i>Journal of Rheology</i> , 2011, 55, 965-979.	2.6	37
67	Linear and nonlinear rheological behaviors of silica filled nitrile butadiene rubber. <i>Polymer</i> , 2018, 156, 222-227.	3.8	37
68	Spin-coating-assisted fabrication of ultrathin physical hydrogel films with high toughness and fast response. <i>Soft Matter</i> , 2018, 14, 5888-5897.	2.7	37
69	Influence of Ionic Liquids on Structure and Rheological Behaviors of Silica-Filled Butadiene Rubber. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18205-18212.	3.7	37
70	Application of two phase model to linear dynamic rheology of filled polymer melts. <i>Polymer</i> , 2011, 52, 6173-6179.	3.8	36
71	Ecomaterials Based on Food Proteins and Polysaccharides. <i>Polymer Reviews</i> , 2014, 54, 514-571.	10.9	36
72	Relationship between the positive temperature coefficient of resistivity and dynamic rheological behavior for carbon black-filled high-density polyethylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 983-992.	2.1	34

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73	Influence of gliadin removal on strain hardening of hydrated wheat gluten during equibiaxial extensional deformation. <i>Journal of Cereal Science</i> , 2008, 48, 58-67.	3.7	33
74	Styrene- <i>butadiene</i> -styrene copolymer compatibilized carbon black/polypropylene/polystyrene composites with tunable morphology, electrical conduction and rheological stabilities. <i>Soft Matter</i> , 2014, 10, 2685.	2.7	33
75	The electric self-heating behavior of graphite-filled high-density polyethylene composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 1756-1763.	2.1	32
76	On time-temperature-concentration superposition principle for dynamic rheology of carbon black filled polymers. <i>Journal of Rheology</i> , 2009, 53, 1379-1388.	2.6	32
77	Rigid nanoparticles promote the softening of rubber phase in filled vulcanizates. <i>Polymer</i> , 2019, 177, 131-138.	3.8	32
78	Large amplitude oscillatory rheology of silica and cellulose nanocrystals filled natural rubber compounds. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 602-610.	9.4	32
79	Mechanical and thermal properties of nanosized titanium dioxide filled rigid poly(vinyl chloride). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 325-332.	3.8	31
80	Direct Evidence for Percolation of Immobilized Polymer Layer around Nanoparticles Accounting for Sol-Gel Transition in Fumed Silica Dispersions. <i>Langmuir</i> , 2015, 31, 13478-13487.	3.5	31
81	Smart magnetorheological elastomer peristaltic pump. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 1084-1093.	2.5	31
82	Preparation and properties of thermo-molded bioplastics of glutenin-rich fraction. <i>Journal of Cereal Science</i> , 2008, 48, 77-82.	3.7	29
83	Morphology and mechanical properties of thermo-molded bioplastics based on glycerol-plasticized wheat gliadins. <i>Journal of Cereal Science</i> , 2008, 48, 613-618.	3.7	29
84	Study of poly(vinyl chloride)/acrylonitrile-styrene-acrylate blends for compatibility, toughness, thermal stability and UV irradiation resistance. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2143-2151.	2.6	28
85	Linear rheology of carbon black filled polystyrene. <i>Polymer</i> , 2017, 112, 35-42.	3.8	28
86	Viscoelasticity of shell-crosslinked core-shell nanoparticles filled polystyrene melt. <i>Polymer</i> , 2012, 53, 3968-3974.	3.8	27
87	Unique liquid-to-solid transition of carbon filler filled polystyrene melts. <i>Composites Science and Technology</i> , 2017, 147, 39-44.	7.8	27
88	Reversible nonlinear conduction behavior for high-density polyethylene/graphite powder composites near the percolation threshold. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2833-2842.	2.1	26
89	Boundary Lubrication by Associative Mucin. <i>Langmuir</i> , 2015, 31, 4733-4740.	3.5	26
90	Correlation between impact properties and phase structure in impact polypropylene copolymer. <i>Materials & Design</i> , 2015, 69, 56-63.	5.1	25

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91	Rheology of fumed silica/polypropylene glycol dispersions. <i>Polymer</i> , 2018, 148, 400-406.	3.8	25
92	Scaling laws of Mullins effect in nitrile butadiene rubber nanocomposites. <i>Polymer</i> , 2020, 193, 122350.	3.8	25
93	STRUCTURE AND VISCOELASTICITY OF RUBBER MATERIALS. <i>Acta Polymerica Sinica</i> , 2013, 013, 1115-1130.	0.0	25
94	Influence of incorporating CaCO ₃ into room temperature vulcanized silicone sealant on its mechanical and dynamic rheological properties. <i>Journal of Applied Polymer Science</i> , 2007, 103, 2027-2035.	2.6	24
95	pH-induced rheological changes for semi-dilute solutions of wheat gliadins. <i>Food Hydrocolloids</i> , 2008, 22, 1090-1096.	10.7	24
96	Structure and properties of methylcellulose microfiber reinforced wheat gluten based green composites. <i>Industrial Crops and Products</i> , 2009, 29, 446-454.	5.2	24
97	Payne effect of thermo-oxidatively aged isoprene rubber vulcanizates. <i>Polymer</i> , 2020, 195, 122432.	3.8	24
98	Influence of annealing on conduction of high-density polyethylene/carbon black composite. <i>Journal of Applied Polymer Science</i> , 2007, 105, 710-717.	2.6	23
99	Kinetic analysis on spherulite growth rate of polypropylene catalloys. <i>Polymer</i> , 2007, 48, 4567-4577.	3.8	23
100	The mechanical and viscoelastic properties of SSBR vulcanizates filled with organically modified montmorillonite and silica. <i>Journal of Materials Science</i> , 2009, 44, 1881-1888.	3.7	23
101	Rheological behaviors of randomly crosslinked low density polyethylene and its gel network. <i>Polymer</i> , 2012, 53, 3035-3042.	3.8	23
102	Time-concentration superpositioning principle accounting for the reinforcement and dissipation of high-density polyethylene composites melts. <i>Composites Science and Technology</i> , 2017, 151, 104-108.	7.8	23
103	Influence of annealing on rheological and conductive behaviors of high-density polyethylene/carbon black composites. <i>Journal of Materials Science</i> , 2009, 44, 4241-4245.	3.7	22
104	Complex rheological behaviors of loach (<i>Misgurnus anguillicaudatus</i>) skin mucus. <i>Journal of Rheology</i> , 2015, 59, 51-62.	2.6	22
105	Rheological and Mechanical Properties of Silica/Nitrile Butadiene Rubber Vulcanizates with Eco-Friendly Ionic Liquid. <i>Polymers</i> , 2020, 12, 2763.	4.5	21
106	Influences of chemical crosslinking, physical associating, and filler filling on nonlinear rheological responses of polyisoprene. <i>Journal of Rheology</i> , 2020, 64, 775-784.	2.6	21
107	Electric self-heating behavior of acetylene carbon black filled high-density polyethylene composites. <i>Polymer International</i> , 2004, 53, 1517-1522.	3.1	20
108	Conductive behavior of composites composed of carbon black-filled ethylene-tetrafluoroethylene copolymer. <i>Journal of Materials Science</i> , 2007, 42, 2903-2906.	3.7	20

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109	Influence of crosslinking on physical properties of low density polyethylene. Chinese Journal of Polymer Science (English Edition), 2012, 30, 837-844.	3.8	20
110	Contributions of silica network and interfacial fraction in reinforcement and Payne effect of polypropylene glycol nanocomposites. Polymer, 2018, 138, 139-145.	3.8	20
111	Influence of Epichlorohydrin Modification on Structure and Properties of Wheat Gliadin Films. Journal of Agricultural and Food Chemistry, 2009, 57, 2295-2301.	5.2	19
112	Facile regulation of glutaraldehyde-modified graphene oxide for preparing free-standing papers and nanocomposite films. Chinese Journal of Polymer Science (English Edition), 2013, 31, 399-406.	3.8	19
113	Adjustable rheology of fumed silica dispersion in urethane prepolymers: Composition-dependent sol and gel behaviors and energy-mediated shear responses. Journal of Rheology, 2015, 59, 971-993.	2.6	19
114	Segmental dynamics and rheology of miscible poly(vinylidene fluoride)/poly(methyl methacrylate) (70/30 by weight) blend filled with titania or poly(methyl methacrylate)-grafted titania. Composites Science and Technology, 2016, 123, 39-48.	7.8	19
115	Influence of ionic liquids on rheological behaviors of polyisoprene rubber/silica compounds. Polymer, 2019, 183, 121898.	3.8	19
116	Piezoresistive Properties of HDPE/Graphite Composites. Journal of Materials Science Letters, 1999, 18, 35-37.	0.5	18
117	Rheological behavior of heat-induced wheat gliadin gel. Food Hydrocolloids, 2009, 23, 1054-1056.	10.7	18
118	Influence of binary combined systems of antioxidants on the stabilization of peroxide-cured low-density polyethylene. Journal of Applied Polymer Science, 2012, 126, 1885-1894.	2.6	18
119	Thickening of the Immobilized Polymer Layer Using Trace Amount of Amine and Its Role in Promoting Gelation of Colloidal Nanocomposites. Macromolecules, 2015, 48, 9015-9023.	4.8	18
120	Size-dependent linear rheology of silica filled poly(2-vinylpyridine). Polymer, 2017, 130, 74-78.	3.8	18
121	Insights into the Payne Effect of Carbon Black Filled Styrene-butadiene Rubber Compounds. Chinese Journal of Polymer Science (English Edition), 2021, 39, 81-90.	3.8	18
122	Effect of voltage on the conduction of a high-density polyethylene/carbon black composite at the NTC region. Composites Science and Technology, 2006, 66, 907-912.	7.8	17
123	Influences of compatibilizers on rheology and mechanical properties of propylene random copolymer/styrene-ethylene-butylene-styrene block copolymer/organic-montmorillonite nanocomposites. Journal of Applied Polymer Science, 2013, 129, 973-982.	2.6	17
124	Influence of crosslinking on crystallization, rheological, and mechanical behaviors of high density polyethylene/ethylene-vinyl acetate copolymer blends. Polymer Engineering and Science, 2014, 54, 2848-2858.	3.1	17
125	Nonsphere Drop Impact Assembly of Graphene Oxide Liquid Crystals. ACS Nano, 2019, 13, 8382-8391.	14.6	17
126	Influence of reducing agents on properties of thermo-molded wheat gluten bioplastics. Journal of Cereal Science, 2008, 48, 794-799.	3.7	16

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127	Annealing-induced rheological and electric resistance variations in carbon black-filled polymer melts. <i>Colloid and Polymer Science</i> , 2012, 290, 1837-1842.	2.1	16
128	Salt response and rheological behavior of acrylamide-sulfobetaine copolymer. <i>Colloid and Polymer Science</i> , 2016, 294, 389-397.	2.1	16
129	Payne Effect and Weak Overshoot in Rubber Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 85-92.	3.8	15
130	Simultaneous measurement of rheological and conductive properties of carbon black filled ethylene-tetrafluoroethylene copolymer. <i>Journal of Materials Science</i> , 2007, 42, 8757-8759.	3.7	14
131	Fracture surface characteristics and impact properties of poly(butylene terephthalate). <i>Polymer Bulletin</i> , 2010, 64, 185-196.	3.3	14
132	Influences of compatibilization and compounding process on electrical conduction and thermal stabilities of carbon black-filled immiscible polypropylene/polystyrene blends. <i>Polymer International</i> , 2013, 62, 238-245.	3.1	14
133	Dynamics heterogeneity in silica-filled nitrile butadiene rubber. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46223.	2.6	14
134	Influence of coagents on Payne effect of butadiene rubber vulcanizates. <i>Polymer</i> , 2021, 212, 123298.	3.8	14
135	Payne effect of carbon black filled natural rubber nanocomposites: Influences of extraction, crosslinking, and swelling. <i>Journal of Rheology</i> , 2021, 65, 807-820.	2.6	14
136	Effect of agglomeration on the selective distribution of nanoparticles in binary polymer blends. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 149, 106590.	7.6	14
137	Reversible nonlinear conduction in high-density polyethylene/acetylene carbon black composites at various ambient temperatures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1212-1217.	2.1	13
138	Conduction stability of high-density polyethylene/carbon black composites due to electric field action. <i>European Polymer Journal</i> , 2005, 41, 2998-3003.	5.4	13
139	Molecular relaxation and dynamic rheology of cluster phase-free ionomers based on lanthanum(III)-neutralized low-carboxylated poly(methyl methacrylate). <i>RSC Advances</i> , 2016, 6, 66336-66345.	3.6	13
140	Time-concentration superpositioning principle accounting for reinforcement and dissipation of multi-walled carbon nanotubes filled polystyrene melts. <i>Polymer</i> , 2017, 121, 106-110.	3.8	13
141	Glass transition of poly (methyl methacrylate) filled with nanosilica and core-shell structured silica. <i>Polymer</i> , 2017, 127, 141-149.	3.8	13
142	Application of an interpenetrating network model to the necking in the microcrystalline region in four annealed isotactic polypropylene films subjected to uniaxial stretching at room temperature. <i>Polymer</i> , 2006, 47, 489-497.	3.8	12
143	Simultaneous measurement of normal force and electrical resistance during isothermal crystallization for carbon black filled high-density polyethylene. <i>Journal of Materials Science</i> , 2008, 43, 4828-4833.	3.7	12
144	Synergistic strengthening of polyelectrolyte complex membranes by functionalized carbon nanotubes and metal ions. <i>Scientific Reports</i> , 2015, 5, 7782.	3.3	12

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145	Rheology of end-linking polydimethylsiloxane networks filled with silica. <i>Journal of Rheology</i> , 2020, 64, 1425-1438.	2.6	12
146	Influence of Liquid Isoprene Rubber on Strain Softening of Carbon Black Filled Isoprene Rubber Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 887-895.	3.8	12
147	Control of selective location of homopolymer-brush grafted nanoparticles in binary polymer blends. <i>Composites Science and Technology</i> , 2020, 200, 108439.	7.8	12
148	DYNAMIC RHEOLOGICAL BEHAVIOR OF SSBR/SiO ₂ COMPOUNDS. <i>Acta Polymerica Sinica</i> , 2009, 009, 729-734.	0.0	12
149	Effect of uniaxial pressure on conduction behavior of carbon black filled poly(methyl vinyl siloxane) composites. <i>Science Bulletin</i> , 2005, 50, 101-107.	1.7	11
150	RHEOLOGICAL PROPERTIES OF POLY(VINYLDENE FLUORIDE) IN MOLTEN STATE. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2008, 26, 639.	3.8	11
151	Nonlinear stress relaxation of silica filled solution- ϵ -polymerized styrene-butadiene rubber compounds. <i>Journal of Applied Polymer Science</i> , 2009, 112, 3569-3574.	2.6	11
152	Preparation and properties of wheat gluten/rice protein composites plasticized with glycerol. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011, 29, 87-92.	3.8	11
153	Viscoelastic behaviors of shell-crosslinked core-shell nanoparticles suspended in polystyrene solutions. <i>Polymer International</i> , 2012, 61, 1439-1446.	3.1	11
154	Linear rheology of natural rubber compounds filled with silica, short nylon fiber or both. <i>Polymer</i> , 2018, 134, 71-74.	3.8	11
155	Influence of hydroxyl-terminated polybutadiene liquid on rheology of fumed silica filled cis-polybutadiene rubber. <i>Polymer</i> , 2019, 180, 121709.	3.8	11
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