

Yukun Chen

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125
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128
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L-index

#	Paper	IF	Citations
125	Dynamically vulcanized biobased polylactide/natural rubber blend material with continuous cross-linked rubber phase. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3811-6	9.5	168
124	Design of Self-Healing Supramolecular Rubbers by Introducing Ionic Cross-Links into Natural Rubber via a Controlled Vulcanization. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17728-37	9.5	163
123	A robust and stretchable cross-linked rubber network with recyclable and self-healable capabilities based on dynamic covalent bonds. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4922-4933	13	121
122	Fully Biobased Shape Memory Material Based on Novel Cocontinuous Structure in Poly(Lactic Acid)/Natural Rubber TPVs Fabricated via Peroxide-Induced Dynamic Vulcanization and in Situ Interfacial Compatibilization. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2856-2865	8.3	104
121	Supertoughened Biobased Poly(lactic acid)-Epoxidized Natural Rubber Thermoplastic Vulcanizates: Fabrication, Co-continuous Phase Structure, Interfacial in Situ Compatibilization, and Toughening Mechanism. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12138-46	3.4	92
120	New nanocomposite materials reinforced with cellulose nanocrystals in nitrile rubber. <i>Polymer Testing</i> , 2013 , 32, 819-826	4.5	88
119	Design of Novel Self-Healing Thermoplastic Vulcanizates Utilizing Thermal/Magnetic/Light-Triggered Shape Memory Effects. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40996-41002	9.5	85
118	Biobased, self-healable, high strength rubber with tunicate cellulose nanocrystals. <i>Nanoscale</i> , 2017 , 9, 15696-15706	7.7	78
117	Bio-Based PLA/NR-PMMA/NR Ternary Thermoplastic Vulcanizates with Balanced Stiffness and Toughness: SoftHardCoreShell Continuous Rubber Phase, In Situ Compatibilization, and Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6488-6496	8.3	76
116	Design of super-tough co-continuous PLA/NR/SiO ₂ TPVs with balanced stiffness-toughness based on reinforced rubber and interfacial compatibilization. <i>Composites Science and Technology</i> , 2018 , 165, 231-239	8.6	72
115	Dual Cross-linked Epoxidized Natural Rubber Reinforced by Tunicate Cellulose Nanocrystals with Improved Strength and Extensibility. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14802-14811	8.3	65
114	PP/EPDM-based dynamically vulcanized thermoplastic olefin with zinc dimethacrylate: Preparation, rheology, morphology, crystallization and mechanical properties. <i>Polymer Testing</i> , 2012 , 31, 728-736	4.5	63
113	Preparation and properties of carboxylated styrene-butadiene rubber/cellulose nanocrystals composites. <i>Carbohydrate Polymers</i> , 2013 , 92, 69-76	10.3	63
112	Self-Healing Natural Rubber with Tailorable Mechanical Properties Based on Ionic Supramolecular Hybrid Network. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29363-29373	9.5	62
111	Design of Zn ²⁺ Salt-Bondings-Cross-Linked Carboxylated Styrene Butadiene Rubber with Reprocessing and Recycling Ability via Rearrangements of Ionic Cross-Linkings. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6981-6990	8.3	61
110	Crosslinked bicontinuous biobased polylactide/natural rubber materials: Super toughness, Bet-like Structure of NR phase and excellent interfacial adhesion. <i>Polymer Testing</i> , 2014 , 38, 73-80	4.5	58
109	Biobased Heat-Triggered Shape-Memory Polymers Based on Polylactide/Epoxidized Natural Rubber Blend System Fabricated via Peroxide-Induced Dynamic Vulcanization: Co-continuous Phase Structure, Shape Memory Behavior, and Interfacial Compatibilization. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 6723-6731	3.9	56

108	A novel strategy to construct co-continuous PLA/NBR thermoplastic vulcanizates: Metal-ligand coordination-induced dynamic vulcanization, balanced stiffness-toughness and shape memory effect. <i>Chemical Engineering Journal</i> , 2020 , 385, 123828	14.7	56
107	Design of Multi-Stimuli-Responsive Shape Memory Biobased PLA/ENR/Fe ₃ O ₄ TPVs with Balanced Stiffness/Toughness Based on Selective Distribution of Fe ₃ O ₄ . <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2304-2315	8.3	56
106	Zinc Dimethacrylate Induced in Situ Interfacial Compatibilization Turns EPDM/PP TPVs into a Shape Memory Material. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4539-4548	3.9	54
105	Crosslink network evolution of nature rubber/zinc dimethacrylate composite during peroxide vulcanization. <i>Polymer Composites</i> , 2011 , 32, 1505-1514	3	53
104	Fabrication of Zn ²⁺ Salt-Bondings/Cross-Linked SBS-g-COOH/ZnO Composites: Thiol/Ene Reaction Modification of SBS, Structure, High Modulus, and Shape Memory Properties. <i>Macromolecules</i> , 2019 , 52, 4329-4340	5.5	51
103	Crosslinked bicontinuous biobased PLA/NR blends via dynamic vulcanization using different curing systems. <i>Carbohydrate Polymers</i> , 2014 , 113, 438-45	10.3	46
102	Using cellulose nanocrystals as sustainable additive to enhance mechanical and shape memory properties of PLA/ENR thermoplastic vulcanizates. <i>Carbohydrate Polymers</i> , 2020 , 230, 115618	10.3	44
101	Bio-based epoxidized natural rubber/chitin nanocrystals composites: Self-healing and enhanced mechanical properties. <i>Composites Part B: Engineering</i> , 2019 , 172, 152-160	10	43
100	Anisotropic rubber nanocomposites via magnetic-induced alignment of Fe ₃ O ₄ /cellulose nanocrystals hybrids obtained by templated assembly. <i>Chemical Engineering Journal</i> , 2019 , 363, 203-212	14.7	38
99	Self-Healable, Recyclable, and Strengthened Epoxidized Natural Rubber/Carboxymethyl Chitosan Biobased Composites with Hydrogen Bonding Supramolecular Hybrid Networks. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15778-15789	8.3	37
98	Cellulose nanocrystals reinforced foamed nitrile rubber nanocomposites. <i>Carbohydrate Polymers</i> , 2015 , 130, 149-54	10.3	36
97	In situ reactive compatibilization of polypropylene/ethylene-propylene-diene monomer thermoplastic vulcanizate by zinc dimethacrylate via peroxide-induced dynamic vulcanization. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10619-28	3.4	36
96	High-performance natural rubber nanocomposites with marine biomass (tunicate cellulose). <i>Cellulose</i> , 2017 , 24, 2849-2860	5.5	35
95	New Approach to Fabricate Novel Fluorosilicone Thermoplastic Vulcanizate with Bicrosslinked Silicone Rubber-Core/Fluororubber-Shell Particles Dispersed in Poly(vinylidene Fluoride): Structure and Property. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 1701-1709	3.9	35
94	Design of remotely, locally triggered shape-memory materials based on bicontinuous polylactide/epoxidized natural rubber thermoplastic vulcanizates via regulating the distribution of ferroferric oxide. <i>Composites Science and Technology</i> , 2019 , 182, 107732	8.6	33
93	Fabrication of High Performance Magnetic Rubber from NBR and Fe ₃ O ₄ via in Situ Compatibilization with Zinc Dimethacrylate. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 183-190	3.9	32
92	Thermoplastic vulcanizate based on poly(vinylidene fluoride) and methyl vinyl silicone rubber by using fluorosilicone rubber as interfacial compatibilizer. <i>Materials and Design</i> , 2015 , 88, 170-176	8.1	28
91	Toward Robust, Tough, Self-Healable Supramolecular Elastomers for Potential Application in Flexible Substrates. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1135-1144	9.5	28

90	Specific nonlinear viscoelasticity behaviors of natural rubber and zinc dimethacrylate composites due to multi-crosslinking bond interaction by using rubber process analyzer 2000. <i>Polymer Composites</i> , 2011 , 32, 1593-1600	3	27
89	Design of a High-Strength XSBR/Fe ₃ O ₄ /ZDMA Shape-Memory Composite with Dual Responses. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14527-14534	3.9	26
88	Highly toughened polypropylene/ethylene-propylene-diene monomer/zinc dimethacrylate ternary blends prepared via peroxide-induced dynamic vulcanization. <i>Materials Chemistry and Physics</i> , 2013 , 138, 63-71	4.4	25
87	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020 , 395, 124981	14.7	25
86	Preparation and properties of dynamically cured poly(vinylidene fluoride)/silicone rubber blends. <i>Polymer Testing</i> , 2013 , 32, 1072-1078	4.5	24
85	Design of Nitrile Rubber with High Strength and Recycling Ability Based on Fe ³⁺ -Catechol Group Coordination. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 3912-3920	3.9	23
84	Morphology study of peroxide-induced dynamically vulcanized polypropylene/ethylene-propylene-diene monomer/zinc dimethacrylate blends during tensile deformation. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 7819-25	3.4	22
83	Morphology and non-isothermal crystallization of dynamically vulcanized PP/EPDM blends in situ compatibilized via magnesium dimethacrylate. <i>Polymer Testing</i> , 2017 , 62, 68-78	4.5	21
82	Thermoplastic multifunctional polysiloxane-based materials from broad gradient-transition multiphase separation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16376-16384	13	21
81	Structure and properties of peroxide dynamically vulcanized polypropylene/ethylene-propylene-diene/zinc dimethacrylate composites. <i>Polymer Composites</i> , 2012 , 33, 1206-1214	3	20
80	Strengthened, Recyclable, Weldable, and Conducting-Controllable Biobased Rubber Film with a Continuous Water-Soluble Framework Network. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1285-1294	8.3	20
79	Strengthened, Self-Healing, and Conductive ENR-Based Composites Based on Multiple Hydrogen Bonding Interactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 13724-13733	8.3	20
78	Green method to reinforce natural rubber with tunicate cellulose nanocrystals via one-pot reaction. <i>Cellulose</i> , 2018 , 25, 4551-4563	5.5	20
77	Stress softening of NR reinforced by in situ prepared zinc dimethacrylate. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 833-841	2.9	19
76	Poly (vinylidene fluoride)/fluororubber/silicone rubber thermoplastic vulcanizates prepared through core-shell dynamic vulcanization: Formation of different rubber/plastic interfaces via controlling the core from soft to hard. <i>Materials Chemistry and Physics</i> , 2017 , 195, 123-131	4.4	18
75	Effects of partial replacement of silicone rubber with fluororubber on properties of dynamically cured poly(vinylidene fluoride)/silicone rubber/fluororubber ternary blends. <i>Polymer Testing</i> , 2013 , 32, 1392-1399	4.5	18
74	Preparation, structure and properties of dynamically vulcanized polypropylene/acrylonitrile butadiene rubber/zinc dimethacrylate ternary blend composites containing maleic anhydride grafted polypropylene. <i>Polymer Testing</i> , 2013 , 32, 507-515	4.5	18
73	Self-Healing Double-Cross-Linked Supramolecular Binders of a Polyacrylamide-Grafted Soy Protein Isolate for LiS Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12799-12808	8.3	18

72	In situ reactive compatibilization and reinforcement of peroxide dynamically vulcanized polypropylene/ethylene-propylene-diene monomer tpv by zinc dimethacrylate. <i>Polymer Composites</i> , 2013 , 34, 1357-1366	3	17
71	Bio-based polylactide/epoxidized natural rubber thermoplastic vulcanizates with a co-continuous phase structure. <i>Polymer Testing</i> , 2017 , 64, 200-206	4.5	16
70	Magnesium acrylate induced interfacial compatibilization of EPDM/PP thermoplastic vulcanizate and shape memory behavior. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 122, 27-35	8.4	16
69	Temperature dependence of the mechanical properties and the inner structures of natural rubber reinforced by in situ polymerization of zinc dimethacrylate. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 2350-2357	2.9	16
68	Highly toughened poly(vinylidene fluoride)/nitrile butadiene rubber blends prepared via peroxide-induced dynamic vulcanization. <i>Polymer Testing</i> , 2014 , 33, 179-186	4.5	15
67	Improved fracture toughness of dynamically vulcanized poly(vinylidene fluoride)/silicone rubber filled zinc dimethacrylate composite. <i>Polymer Testing</i> , 2014 , 39, 53-60	4.5	13
66	A study on the crosslink network evolution of magnesium dimethacrylate/natural rubber composite. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 2449-2459	2.9	13
65	Fabrication of Smart Shape Memory Fluorosilicon Thermoplastic Vulcanizates: The Effect of Interfacial Compatibility and Tiny Crystals. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 15199-15208	3.9	12
64	Facile Strategy to Construct Metal-Organic Coordination Thermoplastic Starch with High Hydrophobicity, Glass-Transition Temperature, and Improved Shape Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8655-8663	8.3	11
63	Shape memory properties of dynamically vulcanized poly(lactic acid)/nitrile butadiene rubber (PLA/NBR) thermoplastic vulcanizates: The effect of ACN content in NBR. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2336-2343	3.2	11
62	Shape memory effect of dynamically vulcanized ethylene-propylene-diene rubber/polypropylene blends realized by in-situ compatibilization of sodium methacrylate. <i>Composites Part B: Engineering</i> , 2019 , 179, 107532	10	10
61	In situ reactive compatibilized polypropylene/nitrile butadiene rubber blends by zinc dimethacrylate: Preparation, structure, and properties. <i>Polymer Engineering and Science</i> , 2014 , 54, 2321-2331	2.3	10
60	Thermal aging on mechanical properties and crosslinked network of natural rubber/zinc Dimethacrylate composites. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 2240-2249	2.9	10
59	Stress-Strain Behaviors and Crosslinked Networks Studies of Natural Rubber-Zinc Dimethacrylate Composites. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 1384-1400	1.4	10
58	Facile Preparation of Supertoughened Polylactide-Based Thermoplastic Vulcanizates without Sacrificing the Stiffness Based on the Selective Distribution of Silica. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9950-9958	3.9	10
57	Influence of selective distribution of SiO ₂ nanoparticles on shape memory behavior of co-continuous PLA/NR/SiO ₂ TPVs. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122538	4.4	10
56	Design and fabrication of mechanically strong and self-healing rubbers via metal-ligand coordination bonds as dynamic crosslinks. <i>Composites Science and Technology</i> , 2021 , 207, 108750	8.6	10
55	Design of regulable chlorobutyl rubber damping materials with high-damping value for a wide temperature range. <i>Polymer Testing</i> , 2019 , 79, 106003	4.5	9

54	Mechanical Strong and Recyclable Rubber Nanocomposites with Sustainable Cellulose Nanocrystals and Interfacial Exchangeable Bonds. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9409-9417	8.3	9
53	The construction and verification of toughening model and formula of binary poly(lactic acid)-based TPV with co-continuous structure. <i>Materials Chemistry and Physics</i> , 2019 , 231, 95-104	4.4	8
52	Mechanically Robust, Reprocessable Shape Memory Fluorosilicon Materials Using β H Elimination Reaction and in Situ Interfacial Compatibilization. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 12745-12754	3.9	8
51	A study on the crosslink network evolution of nitrile butadiene rubber reinforced by in situ zinc dimethacrylate. <i>Polymer Composites</i> , 2011 , 32, 2084-2092	3	8
50	Structure and Properties of Dynamically Cured Thermoplastic Vulcanizate Based on Poly(vinylidene fluoride), Silicone Rubber, and Fluororubber. <i>Polymer-Plastics Technology and Engineering</i> , 2015 , 54, 209-217		7
49	Dynamic viscoelasticity behaviors of magnesium dimethacrylate/natural rubber composites with different cure extent. <i>Polymer Composites</i> , 2012 , 33, 1244-1253	3	7
48	Biobased PLA/NR-PMMA TPV with balanced stiffness-toughness: In-situ interfacial compatibilization, performance and toughening model. <i>Polymer Testing</i> , 2020 , 81, 106268	4.5	7
47	Low-Cost and Environmentally Friendly Biopolymer Binders for LIB Batteries. <i>Macromolecules</i> , 2020 , 53, 8539-8547	5.5	7
46	Improved antibacterial and mechanical performances of carboxylated nitrile butadiene rubber via interface reaction of oxidized starch. <i>Carbohydrate Polymers</i> , 2021 , 259, 117739	10.3	7
45	Preparation and properties of novel fluorosilicone thermoplastic vulcanizate with cross-linking controlled core-shell structure. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 1036-1043	3.2	7
44	Polyvinylidene Fluoride/Acrylonitrile Butadiene Rubber Blends Prepared Via Dynamic Vulcanization. <i>Journal of Macromolecular Science - Physics</i> , 2015 , 54, 58-70	1.4	6
43	Novel fluorosilicone thermoplastic vulcanizates prepared via core-shell dynamic vulcanization: Effect of fluororubber/silicone rubber ratio on morphology, crystallization behavior, and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 1456-1468	3.2	6
42	In situ reactive compatibilization of natural rubber/acrylic-bentonite composites via peroxide-induced vulcanization. <i>Materials Chemistry and Physics</i> , 2016 , 170, 193-200	4.4	6
41	Phenolic Resin-Induced Dynamically Vulcanized Polylactide/Natural Rubber Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2016 , 55, 1115-1123		6
40	Glass fibers reinforced poly(ethylene 2,6-naphthalate)/ethylene propylene diene monomer composites: Structure, mechanical, and thermal properties. <i>Polymer Composites</i> , 2014 , 35, 939-947	3	6
39	Influence of size reduction of crosslinked rubber particles on phase interface in dynamically vulcanized poly(vinylidene fluoride)/silicone rubber blends. <i>Polymer Testing</i> , 2017 , 63, 263-274	4.5	6
38	Viscoelasticity behaviors of lightly cured natural rubber/zinc dimethacrylate composites. <i>Polymer Composites</i> , 2012 , 33, 967-975	3	6
37	Study of Viscoelastic Properties of EPDM Filled with Zinc Dimethacrylate Prepared In Situ by Using a Rubber Process Analyzer. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 1921-1933	1.4	6

36	A study on stress-softening of nitrile butadiene rubber reinforced by in situ zinc dimethacrylate. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 705-716	2.9	6
35	Design of PP/EPDM/NBR TPVs with tunable mechanical properties via regulating the core-shell structure. <i>Polymer Testing</i> , 2020 , 90, 106767	4.5	6
34	Model construction of particle size in dynamic vulcanization of PVDF/SR blends matching degree between crosslinking and shearing rates. <i>Materials Chemistry and Physics</i> , 2019 , 222, 200-206	4.4	6
33	Dynamic rheology studies of carboxylated butadiene-styrene rubber/cellulose nanocrystals nanocomposites: Vulcanization process and network structures. <i>Polymer Composites</i> , 2015 , 36, 623-629	3	5
32	Antioxidant effects on curing/processing and thermo-oxidative aging of filled nitrile rubber. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123403	4.4	5
31	Improved dispersion in a dynamically vulcanized ternary polymer blend by employing the core-shell concept. <i>Materials Chemistry and Physics</i> , 2017 , 199, 98-106	4.4	5
30	Study of the Crosslinking Evolution of Styrene-Butadiene Rubber/Zinc Dimethacrylate Based on Dissolution/Swelling Experiments. <i>Journal of Macromolecular Science - Physics</i> , 2013 , 52, 319-333	1.4	5
29	From Esters to Ketones via a Photoredox-Assisted Reductive Acyl Cross-Coupling Strategy. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	4
28	Design of thermoplastic vulcanizates induced by metal-ligand coordination towards enhanced mechanical properties and shape memory behavior. <i>Composites Communications</i> , 2020 , 22, 100444	6.7	4
27	Millimeter wave absorbing property of flexible graphene/acrylonitrile-butadiene rubber composite in 5G frequency band. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 903-914	1.5	4
26	Preparation and properties of peroxide dynamically vulcanized poly(vinylidene fluoride)/silicone rubber/zinc dimethacrylate composites. <i>Polymer Composites</i> , 2016 , 37, 1093-1100	3	3
25	A stretchable elastomer with recyclability and shape memory assisted self-healing capabilities based on dynamic disulfide bonds. <i>Polymer</i> , 2022 , 242, 124569	3.9	3
24	Self-healable, recyclable, mechanically tough transparent polysiloxane elastomers based on dynamic microphase separation for flexible sensor. <i>Polymer</i> , 2021 , 237, 124357	3.9	3
23	Influence of DCP content on the toughness and morphology of fully biobased ternary PLA/NR-PMMA/NR TPVs with co-continuous phase structure. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 674-684	1.5	3
22	Multiple cross-linked networks enhanced ENR-based composite with excellent self-healing properties. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2856-2865	3.2	3
21	Growth-coupled evolution and high-throughput screening assisted rapid enhancement for amylase-producing <i>Bacillus licheniformis</i> . <i>Bioresource Technology</i> , 2021 , 337, 125467	11	3
20	Oxidized cellulose nanocrystal as sustainable crosslinker to fabricate carboxylated nitrile rubber composites with antibiosis, wearing and irradiation aging resistance. <i>Composites Part B: Engineering</i> , 2021 , 225, 109253	10	3
19	Nickel-Catalyzed Three-Component Alkylacylation of Alkenes Enabled by a Photoactive Electron Donor-Acceptor Complex. <i>Organic Letters</i> ,	6.2	3

18	Influence of fluorine interface to the crystallization of poly (vinylidene fluoride)/silicone rubber/fluororubber elastomeric tertiary blends via dynamical curing. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 1354-1364	1.5	2
17	Ternary blends based on poly (ethylene-naphthalate)/glass fibers/nitrile rubber: Preparation, properties and effect of dynamic vulcanization. <i>Polymer Testing</i> , 2013 , 32, 1529-1537	4.5	2
16	Nanocellulose-A Sustainable and Efficient Nanofiller for Rubber Nanocomposites: From Reinforcement to Smart Soft Materials. <i>Polymer Reviews</i> ,1-36	14	2
15	Preparation of polypropylene/ethylene-propylene-diene terpolymer/nitrile rubber ternary thermoplastics vulcanizates with good mechanical properties and oil resistance by core-shell dynamic vulcanization. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 2161	3.2	2
14	Design of PLA/ENR thermoplastic vulcanizates with balanced stiffness-toughness based on rubber reinforcement and selective distribution of modified silica. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2487-2498	3.2	2
13	Mechanically robust, self-healing and conductive rubber with dual dynamic interactions of hydrogen bonds and borate ester bonds. <i>European Polymer Journal</i> , 2022 , 168, 111103	5.2	2
12	Morphology and properties of poly(vinylidene fluoride)/silicone rubber blends. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	1
11	Toughening model of filled thermoplastic vulcanizates with dual-phase continuity. <i>Materials Chemistry and Physics</i> , 2020 , 255, 123601	4.4	1
10	A conductive rubber with self-healing ability enabled by metal-ligand coordination. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2531-2540	3.2	1
9	Silica-reinforced ethylene propylene diene monomer/polypropylene thermoplastic vulcanizates with interfacial compatibilized by methylacrylate. <i>Polymer Composites</i> , 2021 , 42, 701-713	3	1
8	Super-Tough Poly(lactic Acid)-Based Thermoplastic Vulcanizate Based on Selective Dispersion and In Situ Compatibilization of Commercial Reinforcing Fillers and Its Application in Three-Dimensional Printing. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 359-371	3.9	1
7	A super-toughened poly(lactic acid)-based thermoplastic vulcanizate through incorporating modified SiO ₂ nanoparticles. <i>Composites Science and Technology</i> , 2022 , 226, 109558	8.6	1
6	Recovery of Au Nanoparticles via High-Solubility Carboxylic Starch and its Significantly Improved Catalysis of Propylene Epoxidation. <i>Starch/Staerke</i> , 2020 , 72, 1900313	2.3	0
5	Frame-structured and self-healing ENR-based nanocomposites for strain sensors. <i>European Polymer Journal</i> , 2021 , 154, 110569	5.2	0
4	Self-healing epoxidized natural rubber with ionic/coordination crosslinks. <i>Materials Chemistry and Physics</i> , 2022 , 126063	4.4	0
3	Healable, recyclable and mechanically robust elastomers with multiple dynamic cross-linking bonds. <i>Polymer</i> , 2022 , 124900	3.9	0
2	Improved joint strength between friction-stir welded plates of Al alloy and thermoplastic vulcanizate. <i>Materials Chemistry and Physics</i> , 2022 , 126251	4.4	0
1	Study on Shape Memory Behavior of Ternary Poly(Lactic Acid)/Poly(Methyl Methacrylate)-grafted Natural Rubber/Natural Rubber Thermoplastic Vulcanizates. <i>Polymer-Plastics Technology and Materials</i> , 2021 , 60, 550-561	1.5	

