Wei Yang

List of Publications by Citations

200 papers	7,724 citations	49 h-index	77 g-index
205 ext. papers	9,635 ext. citations	7.2 avg, IF	6.42 L-index

#	Paper	IF	Citations
200	Hybrid graphene aerogels/phase change material composites: Thermal conductivity, shape-stabilization and light-to-thermal energy storage. *Carbon*, **2016**, 100, 693-702	10.4	263
199	Stereocomplex Crystallite Network in Asymmetric PLLA/PDLA Blends: Formation, Structure, and Confining Effect on the Crystallization Rate of Homocrystallites. *Macromolecules*, **2014**, 47, 1439-1448	5.5	212
198	Largely enhanced thermal conductivity of poly (ethylene glycol)/boron nitride composite phase change materials for solar-thermal-electric energy conversion and storage with very low content of graphene nanoplatelets. *Chemical Engineering Journal*, **2017**, 315, 481-490	14.7	168
197	Hybrid network structure of boron nitride and graphene oxide in shape-stabilized composite phase change materials with enhanced thermal conductivity and light-to-electric energy conversion capability. *Solar Energy Materials and Solar Cells*, **2018**, 174, 56-64	6.4	168
196	Self-assembled high-strength hydroxyapatite/graphene oxide/chitosan composite hydrogel for bone tissue engineering. *Carbohydrate Polymers*, **2017**, 155, 507-515	10.3	168
195	Hierarchical graphene foam-based phase change materials with enhanced thermal conductivity and shape stability for efficient solar-to-thermal energy conversion and storage. *Nano Research*, **2017**, 10, 802-813	10	153
194	Enhanced comprehensive performance of polyethylene glycol based phase change material with hybrid graphene nanomaterials for thermal energy storage. *Carbon*, **2015**, 88, 196-205	10.4	147
193	An ice-templated assembly strategy to construct graphene oxide/boron nitride hybrid porous scaffolds in phase change materials with enhanced thermal conductivity and shape stability for light□thermal□electric energy conversion. *Journal of Materials Chemistry A*, **2016**, 4, 18841-18851	13	145
192	Polyethylene glycol based shape-stabilized phase change material for thermal energy storage with ultra-low content of graphene oxide. *Solar Energy Materials and Solar Cells*, **2014**, 123, 171-177	6.4	145
191	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. *Journal of Materials Chemistry A*, **2019**, 7, 10446-10455	13	138
190	Stereocomplex formation of high-molecular-weight polylactide: A low temperature approach. *Polymer*, **2012**, 53, 5449-5454	3.9	131
189	Novel photodriven composite phase change materials with bioinspired modification of BN for solar-thermal energy conversion and storage. *Journal of Materials Chemistry A*, **2016**, 4, 9625-9634	13	126
188	Hybridizing graphene aerogel into three-dimensional graphene foam for high-performance composite phase change materials. *Energy Storage Materials*, **2018**, 13, 88-95	19.4	123
187	High-performance composite phase change materials for energy conversion based on macroscopically three-dimensional structural materials. *Materials Horizons*, **2019**, 6, 250-273	14.4	116
186	Facile Method to Fabricate Highly Thermally Conductive Graphite/PP Composite with Network Structures. *ACS Applied Materials & Interfaces*, **2016**, 8, 19732-8	9.5	110
185	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. *ACS Applied Materials & Interfaces*, **2019**, 11, 36589-36597	9.5	106
184	Smart TiCT MXene Fabric with Fast Humidity Response and Joule Heating for Healthcare and Medical Therapy Applications. *ACS Nano*, **2020**, 14, 8793-8805	16.7	106

183	Multilayer structured AgNW/WPU-MXene fiber strain sensors with ultrahigh sensitivity and a wide operating range for wearable monitoring and healthcare. *Journal of Materials Chemistry A*, **2019**, 7, 15913-15923	13	97
182	Hierarchically interconnected porous scaffolds for phase change materials with improved thermal conductivity and efficient solar-to-electric energy conversion. *Nanoscale*, **2017**, 9, 17704-17709	7.7	97
181	Conductive thermoplastic vulcanizates (TPVs) based on polypropylene (PP)/ethylene-propylene-diene rubber (EPDM) blend: From strain sensor to highly stretchable conductor. *Composites Science and Technology*, **2016**, 128, 176-184	8.6	95
180	Enhanced Formation of Stereocomplex Crystallites of High Molecular Weight Poly(l-lactide)/Poly(d-lactide) Blends from Melt by Using Poly(ethylene glycol). *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 2301-2309	8.3	94
179	Hierarchically Porous Hydroxyapatite Hybrid Scaffold Incorporated with Reduced Graphene Oxide for Rapid Bone Ingrowth and Repair. *ACS Nano*, **2019**, 13, 9595-9606	16.7	93
178	Self-Assembled Sponge-like Chitosan/Reduced Graphene Oxide/Montmorillonite Composite Hydrogels without Cross-Linking of Chitosan for Effective Cr(VI) Sorption. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1557-1566	8.3	85
177	Polymorphism of racemic poly(L-lactide)/poly(D-lactide) blend: effect of melt and cold crystallization. *Journal of Physical Chemistry B*, **2013**, 117, 3667-74	3.4	83
176	All-weather-available, continuous steam generation based on the synergistic photo-thermal and electro-thermal conversion by MXene-based aerogels. *Materials Horizons*, **2020**, 7, 855-865	14.4	83
175	Self-assembled core-shell polydopamine@MXene with synergistic solar absorption capability for highly efficient solar-to-vapor generation. *Nano Research*, **2020**, 13, 255-264	10	82
174	A new approach to construct segregated structures in thermoplastic polyolefin elastomers towards improved conductive and mechanical properties. *Journal of Materials Chemistry A*, **2015**, 3, 5482-5490	13	77
173	Polyethylene glycol/graphene oxide aerogel shape-stabilized phase change materials for photo-to-thermal energy conversion and storage via tuning the oxidation degree of graphene oxide. *Energy Conversion and Management*, **2017**, 146, 253-264	10.6	74
172	Induced formation of dominating polar phases of poly(vinylidene fluoride): positive ion-CF2 dipole or negative ion-CH2 dipole interaction. *Journal of Physical Chemistry B*, **2014**, 118, 9104-11	3.4	71
171	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. *Science Advances*, **2017**, 3, e1701500	14.3	70
170	Multifunctional Thermal Management Materials with Excellent Heat Dissipation and Generation Capability for Future Electronics. *ACS Applied Materials & Interfaces*, **2019**, 11, 18739-18745	9.5	69
169	High efficiency electrochemical reduction of CO2 beyond the two-electron transfer pathway on grain boundary rich ultra-small SnO2 nanoparticles. *Journal of Materials Chemistry A*, **2018**, 6, 10313-10319	13	66
168	Electrically insulating, layer structured SiR/GNPs/BN thermal management materials with enhanced thermal conductivity and breakdown voltage. *Composites Science and Technology*, **2018**, 167, 456-462	8.6	66
167	2D end-to-end carbon nanotube conductive networks in polymer nanocomposites: a conceptual design to dramatically enhance the sensitivities of strain sensors. *Nanoscale*, **2018**, 10, 2191-2198	7.7	63
166	Photodriven Shape-Stabilized Phase Change Materials with Optimized Thermal Conductivity by Tailoring the Microstructure of Hierarchically Ordered Hybrid Porous Scaffolds. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 6761-6770	8.3	62

165	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. *Journal of Materials Chemistry A*, **2014**, 2, 3190-3199	13	60
164	A comparison of melt and solution mixing on the dispersion of carbon nanotubes in a poly(vinylidene fluoride) matrix. *Composites Part B: Engineering*, **2012**, 43, 1425-1432	10	60
163	Green and robust superhydrophilic electrospun stereocomplex polylactide membranes: Multifunctional oil/water separation and self-cleaning. *Journal of Membrane Science*, **2020**, 593, 117420	9.6	59
162	Human Skin-Inspired Electronic Sensor Skin with Electromagnetic Interference Shielding for the Sensation and Protection of Wearable Electronics. *ACS Applied Materials & Interfaces*, **2018**, 10, 40880-40889	9.5	59
161	Enhancing Thermomechanical Properties and Heat Distortion Resistance of Poly(l-lactide) with High Crystallinity under High Cooling Rate. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 654-661	8.3	58
160	Influence of multiwall carbon nanotubes on the morphology, melting, crystallization and mechanical properties of polyamide 6/acrylonitrile□butadiene□styrene blends. *Materials & Design*, **2012**, 34, 355-362		56
159	A particular interfacial strategy in PVDF/OBC/MWCNT nanocomposites for high dielectric performance and electromagnetic interference shielding. *Composites Part A: Applied Science and Manufacturing*, **2018**, 105, 118-125	8.4	56
158	Electrically insulating POE/BN elastomeric composites with high through-plane thermal conductivity fabricated by two-roll milling and hot compression. *Advanced Composites and Hybrid Materials*, **2018**, 1, 160-167	8.7	56
157	Bacterial cellulose/MXene hybrid aerogels for photodriven shape-stabilized composite phase change materials. *Solar Energy Materials and Solar Cells*, **2019**, 203, 110174	6.4	54
156	Essential work of fracture (EWF) analysis for polypropylene grafted with maleic anhydride modified polypropylene/calcium carbonate composites. *Polymer Testing*, **2005**, 24, 410-417	4.5	54
155	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. *Polymer*, **2017**, 110, 1-11	3.9	53
154	Low percolation threshold and balanced electrical and mechanical performances in polypropylene/carbon black composites with a continuous segregated structure. *Composites Part B: Engineering*, **2016**, 99, 348-357	10	51
153	Boosting piezoelectric response of PVDF-TrFE via MXene for self-powered linear pressure sensor. *Composites Science and Technology*, **2021**, 202, 108600	8.6	51
152	The enhanced nucleating ability of carbon nanotube-supported □nucleating agent in isotactic polypropylene. *Colloid and Polymer Science*, **2010**, 288, 681-688	2.4	50
151	Highly sensitive and multifunctional piezoresistive sensor based on polyaniline foam for wearable Human-Activity monitoring. *Composites Part A: Applied Science and Manufacturing*, **2019**, 121, 510-516	8.4	49
150	A bridge-arched and layer-structured hollow melamine foam/reduced graphene oxide composite with an enlarged evaporation area and superior thermal insulation for high-performance solar steam generation. *Journal of Materials Chemistry A*, **2020**, 8, 2701-2711	13	49
149	Multi-dimensional strain sensor based on carbon nanotube film with aligned conductive networks. *Composites Science and Technology*, **2018**, 165, 190-197	8.6	48
148	Deformation-induced morphology evolution during uniaxial stretching of isotactic polypropylene: effect of temperature. *Colloid and Polymer Science*, **2012**, 290, 261-274	2.4	46

147	Effect of temperature, crystallinity and molecular chain orientation on the thermal conductivity of polymers: a case study of PLLA. *Journal of Materials Science*, **2018**, 53, 10543-10553	4.3	45
146	Investigation on the piezoresistive behavior of high-density polyethylene/carbon black films in the elastic and plastic regimes. *Composites Science and Technology*, **2014**, 97, 34-40	8.6	45
145	Electro and Light-Active Actuators Based on Reversible Shape-Memory Polymer Composites with Segregated Conductive Networks. *ACS Applied Materials & Interfaces*, **2019**, 11, 30332-30340	9.5	44
144	Deformation-induced structure evolution of oriented polypropylene during uniaxial stretching. *Polymer*, **2013**, 54, 1259-1268	3.9	44
143	Tuning the structure of graphene oxide and the properties of poly(vinyl alcohol)/graphene oxide nanocomposites by ultrasonication. *Journal of Materials Chemistry A*, **2013**, 1, 3163	13	44
142	Crystalline morphology of nucleated controlled-rheology polypropylene. *Polymer Testing*, **2008**, 27, 638-644	4.5	44
141	Constructing a special sosatie structure to finely dispersing MWCNT for enhanced electrical conductivity, ultra-high dielectric performance and toughness of iPP/OBC/MWCNT nanocomposites. *Composites Science and Technology*, **2017**, 139, 17-25	8.6	43
140	Multiple melting behaviour of annealed crystalline polymers. *Polymer Testing*, **2010**, 29, 273-280	4.5	43
139	Robust polymer-based paper-like thermal interface materials with a through-plane thermal conductivity over 9 Wm1K1. *Chemical Engineering Journal*, **2020**, 392, 123784	14.7	42
138	Tannic acid functionalized graphene hydrogel for organic dye adsorption. *Ecotoxicology and Environmental Safety*, **2018**, 165, 299-306	7	41
137	A high-performance temperature sensitive TPV/CB elastomeric composite with balanced electrical and mechanical properties via PF-induced dynamic vulcanization. *Journal of Materials Chemistry A*, **2014**, 2, 16989-16996	13	39
136	Toughening of polyamide 6 with nucleated thermoplastic vulcanizates based on polypropylene/ethylene propylene diene rubber grafted with maleic anhydride blends. *Materials & Design*, **2012**, 33, 104-110		39
135	Crystallization behavior of poly (vinylidene fluoride)/multi-walled carbon nanotubes nanocomposites. *Journal of Materials Science*, **2011**, 46, 1542-1550	4.3	39
134	High-performance porous polylactide stereocomplex crystallite scaffolds prepared by solution blending and salt leaching. *Materials Science and Engineering C*, **2018**, 90, 602-609	8.3	38
133	Greatly accelerated crystallization of poly(lactic acid): cooperative effect of stereocomplex crystallites and polyethylene glycol. *Colloid and Polymer Science*, **2014**, 292, 163-172	2.4	38
132	Effect of temperature and strain rate on the tensile deformation of polyamide 6. *Polymer*, **2007**, 48, 2958-2968	3.9	38
131	Superior thermal interface materials for thermal management. *Composites Communications*, **2019**, 12, 80-85	6.7	38
130	A strain localization directed crack control strategy for designing MXene-based customizable sensitivity and sensing range strain sensors for full-range human motion monitoring. *Nano Energy*, **2020**, 74, 104814	17.1	37

129	A Facile Route to Fabricate Highly Anisotropic Thermally Conductive Elastomeric POE/NG Composites for Thermal Management. *Advanced Materials Interfaces*, **2018**, 5, 1700946	4.6	37
128	Facile fabrication of shape-stabilized polyethylene glycol/cellulose nanocrystal phase change materials based on thiol-ene click chemistry and solvent exchange. *Chemical Engineering Journal*, **2020**, 396, 125206	14.7	36
127	Toughening of polypropylene with in-situ nucleated thermoplastic vulcanizates based on polypropylene/ethylene-propylene-diene rubber blends. *Materials & Design*, **2013**, 51, 536-543		36
126	Electrical properties and morphology of carbon black filled PP/EPDM blends: effect of selective distribution of fillers induced by dynamic vulcanization. *Journal of Materials Science*, **2013**, 48, 4942-4951	4.3	36
125	Effects of Fe3O4 loading on the cycling performance of Fe3O4/rGO composite anode material for lithium ion batteries. *Journal of Alloys and Compounds*, **2016**, 678, 80-86	5.7	36
124	Two-step positive temperature coefficient effect with favorable reproducibility achieved by specific island-bridge electrical conductive networks in HDPE/PVDF/CNF composite. *Composites Part A: Applied Science and Manufacturing*, **2017**, 94, 21-31	8.4	35
123	Suppression of phase coarsening in immiscible, co-continuous polymer blends under high temperature quiescent annealing. *Soft Matter*, **2014**, 10, 3587-96	3.6	35
122	High-melting-point crystals of poly(L-lactic acid) (PLLA): the most efficient nucleating agent to enhance the crystallization of PLLA. *CrystEngComm*, **2015**, 17, 2310-2320	3.3	35
121	Effect of temperature and time on the exfoliation and de-oxygenation of graphite oxide by thermal reduction. *Journal of Materials Science*, **2012**, 47, 5097-5105	4.3	35
120	Study on the melt flow behavior of glass bead filled polypropylene. *Polymer Testing*, **2005**, 24, 490-497	4.5	35
119	An extremely uniform dispersion of MWCNTs in olefin block copolymers significantly enhances electrical and mechanical performances. *Polymer Chemistry*, **2015**, 6, 7160-7170	4.9	34
118	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. *Energy & Fuels*, **2020**, 34, 2471-2479	4.1	34
117	Plastic deformation behavior of polypropylene/calcium carbonate composites with and without maleic anhydride grafted polypropylene incorporated using the essential work of fracture method. *Polymer Testing*, **2006**, 25, 98-106	4.5	34
116	Crystallization and reinforcement of poly (vinylidene fluoride) nanocomposites: Role of high molecular weight resin and carbon nanotubes. *Polymer Testing*, **2012**, 31, 117-126	4.5	33
115	Control of morphology and properties by the selective distribution of nano-silica particles with different surface characteristics in PA6/ABS blends. *Journal of Materials Science*, **2012**, 47, 4620-4631	4.3	33
114	Melt viscoelasticity, electrical conductivity, and crystallization of PVDF/MWCNT composites: Effect of the dispersion of MWCNTs. *Journal of Applied Polymer Science*, **2012**, 125, E49	2.9	33
113	Effect of nano-silica on the phase inversion behavior of immiscible PA6/ABS blends. *Polymer Testing* , **2013**, 32, 141-149	4.5	32
112	Dopamine-induced functionalization of cellulose nanocrystals with polyethylene glycol towards poly(-lactic acid) bionanocomposites for green packaging. *Carbohydrate Polymers*, **2019**, 203, 275-284	10.3	32

111	Effect of β-phase on the fracture behavior of dynamically vulcanized PP/EPDM blends studied by the essential work of fracture approach. *European Polymer Journal*, **2009**, 45, 1448-1453	5.2	31
110	A rheological study on temperature dependent microstructural changes of fumed silica gels in dodecane. *Soft Matter*, **2012**, 8, 10457	3.6	30
109	Double yielding behaviors of polyamide 6 and glass bead filled polyamide 6 composites. *Polymer Testing*, **2005**, 24, 704-711	4.5	30
108	Recent advances in polymer-based thermal interface materials for thermal management: A mini-review. *Composites Communications*, **2020**, 22, 100528	6.7	30
107	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. *Carbon*, **2021**, 173, 1020-1040	10.4	28
106	Tailoring co-continuous like morphology in blends with highly asymmetric composition by MWCNTs: Towards biodegradable high-performance electrical conductive poly(l-lactide)/poly(3-hydroxybutyrate-co-4-hydroxybutyrate) blends. *Composites Science and Technology*, **2017**, 152, 111-119	8.6	26
105	Nanofibrillar Poly(vinyl alcohol) Ionic Organohydrogels for Smart Contact Lens and Human-Interactive Sensing. *ACS Applied Materials & Interfaces*, **2020**, 12, 23514-23522	9.5	26
104	Induced formation of polar phases in poly(vinylidene fluoride) by cetyl trimethyl ammonium bromide. *Journal of Materials Science*, **2014**, 49, 4171-4179	4.3	26
103	An elegant coupling: Freeze-casting and versatile polymer composites. *Progress in Polymer Science*, **2020**, 109, 101289	29.6	26
102	Poly(l-lactic acid)-polyethylene glycol-poly(l-lactic acid) triblock copolymer: A novel macromolecular plasticizer to enhance the crystallization of poly(l-lactic acid). *European Polymer Journal*, **2017**, 97, 272-281	5.2	25
101	Polymorphism of a high-molecular-weight racemic poly(L-lactide)/poly(D-lactide) blend: effect of melt blending with poly(methyl methacrylate). *RSC Advances*, **2015**, 5, 19058-19066	3.7	25
100	Aggregate of nanoparticles: rheological and mechanical properties. *Nanoscale Research Letters*, **2011**, 6, 114	5	25
99	Crystallization and morphology of iPP/MWCNT prepared by compounding iPP melt with MWCNT aqueous suspension. *Colloid and Polymer Science*, **2009**, 287, 615-620	2.4	25
98	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. *Materials Horizons*, **2020**, 7, 2450-2459	14.4	24
97	Recent progress on chemical modification of cellulose for high mechanical-performance Poly(lactic acid)/Cellulose composite: A review. *Composites Communications*, **2021**, 23, 100548	6.7	24
96	The effect of the grafted chains on the crystallization of PLLA/PLLA-grafted SiO2 nanocomposites. *Colloid and Polymer Science*, **2016**, 294, 801-813	2.4	23
95	Oriented polypropylene cast films consisted of β-transcrystals induced by the nucleating agent self-assembly and its homogeneous membranes with high porosity. *Polymer*, **2018**, 151, 136-144	3.9	23
94	Effect of crystallinity level on the double yielding behavior of polyamide 6. *Polymer Testing*, **2006**, 25, 452-459	4.5	23

93	Achieving improved electromagnetic interference shielding performance and balanced mechanical properties in polyketone nanocomposites via a composite MWCNTs carrier. *Composites Part A: Applied Science and Manufacturing*, **2020**, 136, 105967	8.4	23
92	Unusual positive temperature coefficient effect of polyolefin/carbon fiber conductive composites. *Materials Letters*, **2016**, 164, 587-590	3.3	22
91	Metal-Organic-Framework-Derived Nanostructures as Multifaceted Electrodes in Metal-Sulfur Batteries. *Advanced Materials*, **2021**, 33, e2008784	24	21
90	Tailoring Crystalline Morphology by High-Efficiency Nucleating Fiber: Toward High-Performance Poly(l-lactide) Biocomposites. *ACS Applied Materials & Interfaces*, **2018**, 10, 20044-20054	9.5	21
89	A Green and Facile Melt Approach for Hierarchically Porous Polylactide Monoliths Based on Stereocomplex Crystallite Network. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8334-8343	8.3	20
88	Role of poly(lactic acid) in the phase transition of poly(vinylidene fluoride) under uniaxial stretching. *Journal of Applied Polymer Science*, **2013**, 129, 1686-1696	2.9	20
87	Pore formation mechanism of oriented □polypropylene cast films during stretching and optimization of stretching methods: In-situ SAXS and WAXD studies. *Polymer*, **2019**, 163, 86-95	3.9	20
86	Flexible shape-stabilized phase change materials with passive radiative cooling capability for thermal management. *Chemical Engineering Journal*, **2021**, 425, 131466	14.7	20
85	Enhanced Thermal Conductivity and Balanced Mechanical Performance of PP/BN Composites with 1 vol% Finely Dispersed MWCNTs Assisted by OBC. *Advanced Materials Interfaces*, **2019**, 6, 1900081	4.6	19
84	Effect of graphite oxide structure on the formation of stable self-assembled conductive reduced graphite oxide hydrogel. *Journal of Materials Chemistry C*, **2014**, 2, 3846	7.1	19
83	Essential work of fracture evaluation of fracture behavior of glass bead filled linear low-density polyethylene. *Journal of Applied Polymer Science*, **2006**, 99, 1781-1787	2.9	19
82	Evolution of agglomerate structure of carbon nanotubes in multi-walled carbon nanotubes/polymer composite melt: A rheo-electrical study. *Composites Part B: Engineering*, **2012**, 43, 3281-3287	10	18
81	The preparation, structures, and properties of poly(vinylidene fluoride)/multiwall carbon nanotubes nanocomposites. *Journal of Applied Polymer Science*, **2012**, 125, E592	2.9	18
80	Carbon Nanotube Grafted Poly(l-lactide)-block-poly(d-lactide) and Its Stereocomplexation with Poly(lactide)s: The Nucleation Effect of Carbon Nanotubes. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2660-2669	8.3	18
79	Supercooling-dependent morphology evolution of an organic nucleating agent in poly(L-lactide)/poly(D-lactide) blends. *CrystEngComm*, **2017**, 19, 1648-1657	3.3	17
78	Stretchable conductors of multi-walled carbon nanotubes (MWCNTs) filled thermoplastic vulcanizate (TPV) composites with enhanced electromagnetic interference shielding performance. *Composites Science and Technology*, **2020**, 195, 108195	8.6	17
77	Role of carbon nanotube grafted poly(l-lactide)-block-poly(d-lactide) in the crystallization of poly(l-lactic acid)/poly(d-lactic acid) blends: Suppressed homocrystallization and enhanced stereocomplex crystallization. *European Polymer Journal*, **2016**, 83, 42-52	5.2	17
76	Effect of annealing temperature on the mechanical properties, thermal behavior and morphology of □PP/PA6 blends. *Materials & Design*, **2012**, 40, 392-399		17

75	Investigation on Tensile Deformation Behavior of Semi-Crystalline Polymers. *Journal of Macromolecular Science - Physics*, **2009**, 48, 799-811	1.4	17
74	Effect of cross-linking degree of EPDM phase on the electrical properties and formation of dual networks of thermoplastic vulcanizate composites based on isotactic polypropylene (iPP)/ethylene□propylene□diene rubber (EPDM) blends. *RSC Advances*, **2016**, 6, 74567-74574	3.7	16
73	Distinct positive temperature coefficient effect of polymer-carbon fiber composites evaluated in terms of polymer absorption on fiber surface. *Physical Chemistry Chemical Physics*, **2016**, 18, 8081-7	3.6	16
72	Synergistic effect of stereocomplex crystals and shear flow on the crystallization rate of poly(L-lactic acid): A rheological study. *RSC Advances*, **2014**, 4, 2733-2742	3.7	16
71	Enantiomeric poly(D-lactide) with a higher melting point served as a significant nucleating agent for poly(L-lactide). *CrystEngComm*, **2015**, 17, 4334-4342	3.3	16
70	Double yielding in PA6/TPV□MAH blends: Effect of dispersed phase with different content, modulus. *Polymer*, **2007**, 48, 7404-7413	3.9	16
69	Durable and super-hydrophilic/underwater super-oleophobic two-dimensional MXene composite lamellar membrane with photocatalytic self-cleaning property for efficient oil/water separation in harsh environments. *Journal of Membrane Science*, **2021**, 637, 119627	9.6	16
68	Suppressing phase retraction and coalescence of co-continuous polymer blends: effect of nanoparticles and particle network. *RSC Advances*, **2014**, 4, 49429-49441	3.7	15
67	MWCNTs Supported N,N?-Dicyclohexyl-1,5-diamino-2,6-naphthalenedicarboxamide: A Novel □Nucleating Agent for Polypropylene. *Journal of Macromolecular Science - Physics*, **2012**, 51, 2412-2427	1.4	15
66	Interfacial interaction of polyvinylidene fluoride/multiwalled carbon nanotubes nanocomposites: A rheological study. *Journal of Applied Polymer Science*, **2011**, 121, 3041-3046	2.9	15
65	Phase change mediated mechanically transformative dynamic gel for intelligent control of versatile devices. *Materials Horizons*, **2021**, 8, 1230-1241	14.4	15
64	Effect of chain entanglement on the melt-crystallization behavior of poly(l-lactide) acid. *Journal of Polymer Research*, **2016**, 23, 1	2.7	14
63	Effect of spatial confinement on the development of □phase of polypropylene. *Polymer*, **2009**, 50, 4122-4127	3.9	14
62	Temperature: a nonnegligible factor for the formation of a structurally stable, self-assembled reduced graphite oxide hydrogel. *RSC Advances*, **2015**, 5, 10-15	3.7	13
61	Reinforcement and plasticization of PMMA grafted MWCNTs for PVDF composites. *Composites Part B: Engineering*, **2013**, 53, 9-16	10	13
60	Crystallization, rheological behavior and mechanical properties of poly(vinylidene fluoride) composites containing graphitic fillers: a comparative study. *Polymer International*, **2012**, 61, 1031-1040	3.3	13
59	Effect of phase coarsening under melt annealing on the electrical performance of polymer composites with a double percolation structure. *Physical Chemistry Chemical Physics*, **2017**, 20, 137-147	3.6	13
58	Highly thermally conductive electrospun stereocomplex polylactide fibrous film dip-coated with silver nanowires. *Polymer*, **2020**, 194, 122390	3.9	12

57	Structure of fumed silica gels in dodecane: enhanced network by oscillatory shear. *Colloid and Polymer Science*, **2012**, 290, 151-161	2.4	12
56	Effect of repetitive processing on the mechanical properties and fracture toughness of dynamically vulcanized iPP/EPDM blends. *Journal of Applied Polymer Science*, **2011**, 120, 86-94	2.9	12
55	Stress-induced crystallization of biaxially oriented polypropylene. *Journal of Applied Polymer Science*, **2003**, 89, 686-690	2.9	12
54	The effect of chain mobility on the coarsening process of co-continuous, immiscible polymer blends under quiescent melt annealing. *Physical Chemistry Chemical Physics*, **2017**, 19, 12712-12719	3.6	10
53	Effect of the content of β form crystals on biaxially stretched polypropylene microporous membranes and the tuning of pore structures. *Polymer*, **2019**, 175, 177-185	3.9	10
52	Insight into the nucleating and reinforcing efficiencies of carbon nanofillers in poly(vinylidene fluoride): a comparison between carbon nanotubes and carbon black. *Journal of Materials Science*, **2013**, 48, 8509-8519	4.3	10
51	Effect of temperature gradient on the development of β phase polypropylene in dynamically vulcanized PP/EPDM blends. *Colloid and Polymer Science*, **2009**, 287, 1237-1242	2.4	10
50	The β Phase of Isotactic Polypropylene in TPVs Based on PP/EPDM. *Journal of Macromolecular Science - Physics*, **2007**, 46, 841-852	1.4	10
49	Effect of β and β nucleating agents on the fracture behavior of polypropylene-co-ethylene. *Journal of Applied Polymer Science*, **2008**, 108, 591-597	2.9	10
48	Recent Advances in Multiresponsive Flexible Sensors towards E-skin: A Delicate Design for Versatile Sensing. *Small*, **2021**, e2103734	11	10
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