Ming-Bo Yang

List of Publications by Year
in descending order

306	13,173	23567	31849
papers	citations	58 h-index	101 g-index

308	308	308	10211
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress on the morphological control of conductive network in conductive polymer composites and the use as electroactive multifunctional materials. Progress in Polymer Science, 2014, 39, 627-655.	24.7	553
2	Efficient electromagnetic interference shielding of lightweight graphene/polystyrene composite. Journal of Materials Chemistry, 2012, 22, 18772.	6.7	516
3	Review on auxetic materials. Journal of Materials Science, 2004, 39, 3269-3279.	3.7	448
4	Hybrid graphene aerogels/phase change material composites: Thermal conductivity, shape-stabilization and light-to-thermal energy storage. Carbon, 2016, 100, 693-702.	10.3	351
5	Smart Ti₃C₂T_x MXene Fabric with Fast Humidity Response and Joule Heating for Healthcare and Medical Therapy Applications. ACS Nano, 2020, 14, 8793-8805.	14.6	288
6	Stereocomplex Crystallite Network in Asymmetric PLLA/PDLA Blends: Formation, Structure, and Confining Effect on the Crystallization Rate of Homocrystallites. Macromolecules, 2014, 47, 1439-1448.	4.8	267
7	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.	12.7	264
8	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.	6.2	223
9	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 lightâ€“thermalâ€“electric energy conversion. Journal of Materials Chemistry A, 2016, 4, 18841-18851.	10.3	216
10	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. ACS Applied Materials & Interfaces, 2019, 11, 36589-36597.	8.0	216
11	Hybridizing graphene aerogel into three-dimensional graphene foam for high-performance composite phase change materials. Energy Storage Materials, 2018, 13, 88-95.	18.0	210
12	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. Journal of Materials Chemistry A, 2019, 7, 10446-10455.	10.3	208
13	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.	10.4	206
14	Self-assembled high-strength hydroxyapatite/graphene oxide/chitosan composite hydrogel for bone tissue engineering. Carbohydrate Polymers, 2017, 155, 507-515.	10.2	205
15	Enhanced comprehensive performance of polyethylene glycol based phase change material with hybrid graphene nanomaterials for thermal energy storage. Carbon, 2015, 88, 196-205.	10.3	189
16	High-performance composite phase change materials for energy conversion based on macroscopically three-dimensional structural materials. Materials Horizons, 2019, 6, 250-273.	12.2	187
17	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.	10.3	184
18	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.	6.2	178

#	Article	IF	Citations
19	Self-assembled core-shell polydopamine@MXene with synergistic solar absorption capability for highly efficient solar-to-vapor generation. Nano Research, 2020, 13, 255-264.	10.4	174
20	Boosting piezoelectric response of PVDF-TrFE via MXene for self-powered linear pressure sensor. Composites Science and Technology, 2021, 202, 108600.	7.8	165
21	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.	10.3	163
22	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.	12.2	153
23	Flame retardancy of different-sized expandable graphite particles for high-density rigid polyurethane foams. Polymer International, 2006, 55, 862-871.	3.1	137
24	Hierarchically interconnected porous scaffolds for phase change materials with improved thermal conductivity and efficient solar-to-electric energy conversion. Nanoscale, 2017, 9, 17704-17709.	5.6	131
25	Facile method to enhance output performance of bacterial cellulose nanofiber based triboelectric nanogenerator by controlling micro-nano structure and dielectric constant. Nano Energy, 2019, 62, 620-627.	16.0	122
26	Transcrystalline Morphology of an in situ Microfibrillar Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (terephthalate)/Poly(Process. Macromolecular Rapid Communications, 2004, 25, 553-558.	3.9	121
27	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.	7.8	120
28	Multifunctional Thermal Management Materials with Excellent Heat Dissipation and Generation Capability for Future Electronics. ACS Applied Materials & Interfaces, 2019, 11, 18739-18745.	8.0	116
29	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.	10.3	103
30	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.	9.2	99
31	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.	7.8	97
32	Temperature induced gelation transition of a fumed silica/PEG shear thickening fluid. RSC Advances, 2015, 5, 18367-18374.	3.6	94
33	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.	10.3	91
34	Recent advances in polymer-based thermal interface materials for thermal management: A mini-review. Composites Communications, 2020, 22, 100528.	6.3	91
35	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.	6.7	88
36	Bacterial cellulose/MXene hybrid aerogels for photodriven shape-stabilized composite phase change materials. Solar Energy Materials and Solar Cells, 2019, 203, 110174.	6.2	85

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37	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.	5.6	83
38	Expandable Graphite For Halogen-Free Flame-Retardant of High-Density Rigid Polyurethane Foams. Polymer-Plastics Technology and Engineering, 2005, 44, 1323-1337.	1.9	82
39	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.	21.1	81
40	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.	3.7	79
41	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.	8.0	78
42	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.	7.6	78
43	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.	16.0	77
44	Recent Advances in Multiresponsive Flexible Sensors towards Eâ€skin: A Delicate Design for Versatile Sensing. Small, 2022, 18, e2103734.	10.0	76
45	A facile fabrication of shape memory polymer nanocomposites with fast light-response and self-healing performance. Composites Part A: Applied Science and Manufacturing, 2020, 135, 105931.	7.6	75
46	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. Carbon, 2021, 173, 1020-1040.	10.3	71
47	Morphology and nonisothermal crystallization ofin situ microfibrillar poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td of Polymer Science, Part B: Polymer Physics, 2004, 42, 374-385.	2.1	70
48	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. Journal of Materials Chemistry A, 2014, 2, 3190-3199.	10.3	70
49	Flexible TPU strain sensors with tunable sensitivity and stretchability by coupling AgNWs with rGO. Journal of Materials Chemistry C, 2020, 8, 4040-4048.	5.5	70
50	Hierarchical crystalline structure of HDPE molded by gas-assisted injection molding. Polymer, 2007, 48, 5486-5492.	3.8	67
51	Surperhydrophobic polyurethane foam modified by graphene oxide. Journal of Applied Polymer Science, 2013, 130, 3530-3536.	2.6	67
52	Enhancing Thermomechanical Properties and Heat Distortion Resistance of Poly(<scp>l</scp>-lactide) with High Crystallinity under High Cooling Rate. ACS Sustainable Chemistry and Engineering, 2015, 3, 654-661.	6.7	67
53	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.	12.0	67
54	Tannic acid functionalized graphene hydrogel for organic dye adsorption. Ecotoxicology and Environmental Safety, 2018, 165, 299-306.	6.0	66

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55	Electro and Light-Active Actuators Based on Reversible Shape-Memory Polymer Composites with Segregated Conductive Networks. ACS Applied Materials & Interfaces, 2019, 11, 30332-30340.	8.0	66
56	In-situ microfibrillar PET/iPP blend via slit die extrusion, hot stretching, and quenching: Influence of hot stretch ratio on morphology, crystallization, and crystal structure of iPP at a fixed PET concentration. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 4095-4106.	2.1	64
57	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.	12.7	64
58	Design of compressible and elastic N-doped porous carbon nanofiber aerogels as binder-free supercapacitor electrodes. Journal of Materials Chemistry A, 2020, 8, 17257-17265.	10.3	61
59	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. Polymer, 2017, 110, 1-11.	3.8	59
60	Nanofibrillar Poly(vinyl alcohol) Ionic Organohydrogels for Smart Contact Lens and Human-Interactive Sensing. ACS Applied Materials & Interfaces, 2020, 12, 23514-23522.	8.0	59
61	Light- and magnetic-responsive synergy controlled reconfiguration of polymer nanocomposites with shape memory assisted self-healing performance for soft robotics. Journal of Materials Chemistry C, 2021, 9, 5515-5527.	5.5	57
62	A Facile Route to Fabricate Highly Anisotropic Thermally Conductive Elastomeric POE/NG Composites for Thermal Management. Advanced Materials Interfaces, 2018, 5, 1700946.	3.7	56
63	The enhanced nucleating ability of carbon nanotube-supported Î²-nucleating agent in isotactic polypropylene. Colloid and Polymer Science, 2010, 288, 681-688.	2.1	54
64	Redoxâ€Mediated Artificial Nonâ€Enzymatic Antioxidant MXene Nanoplatforms for Acute Kidney Injury Alleviation. Advanced Science, 2021, 8, e2101498.	11.2	54
65	Deformation-induced structure evolution of oriented Î²-polypropylene during uniaxial stretching. Polymer, 2013, 54, 1259-1268.	3.8	50
66	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.	10.3	49
67	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. Energy & Fuels, 2020, 34, 2471-2479.	5.1	49
68	Cylindritic structures of high-density polyethylene molded by multi-melt multi-injection molding. Polymer, 2011, 52, 3871-3878.	3.8	48
69	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. Materials Horizons, 2020, 7, 2450-2459.	12.2	47
70	High-performance porous polylactide stereocomplex crystallite scaffolds prepared by solution blending and salt leaching. Materials Science and Engineering C, 2018, 90, 602-609.	7.3	46
71	Interfacial Radiation-Absorbing Hydrogel Film for Efficient Thermal Utilization on Solar Evaporator Surfaces. Nano Letters, 2021, 21, 10516-10524.	9.1	46
72	Morphology-tensile behavior relationship in injection molded poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (terephthalate)/ Journal of Materials Science, 2004, 39, 413-431.	3.7	45

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73	Dopamine-induced functionalization of cellulose nanocrystals with polyethylene glycol towards poly(L-lactic acid) bionanocomposites for green packaging. Carbohydrate Polymers, 2019, 203, 275-284.	10.2	45
74	Morphology and Tensile Strength Prediction of in situ Microfibrillar Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (terepht Macromolecular Materials and Engineering, 2004, 289, 349-354.	3.6	44
75	Morphology and Rheological Behaviors of Polycarbonate/High Density Polyethylene in situ Microfibrillar Blends. Macromolecular Materials and Engineering, 2004, 289, 1087-1095.	3.6	42
76	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.	3.7	42
77	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.	10.3	42
78	Suppression of phase coarsening in immiscible, co-continuous polymer blends under high temperature quiescent annealing. Soft Matter, 2014, 10, 3587.	2.7	42
79	Exploring Nextâ€Generation Functional Organic Phase Change Composites. Advanced Functional Materials, 2022, 32, .	14.9	42
80	Low-entropy structured wearable film sensor with piezoresistive-piezoelectric hybrid effect for 3D mechanical signal screening. Nano Energy, 2021, 90, 106603.	16.0	41
81	Crystallization behavior of poly (vinylidene fluoride)/multi-walled carbon nanotubes nanocomposites. Journal of Materials Science, 2011, 46, 1542-1550.	3.7	40
82	Greatly accelerated crystallization of poly(lactic acid): cooperative effect of stereocomplex crystallites and polyethylene glycol. Colloid and Polymer Science, 2014, 292, 163-172.	2.1	40
83	Flexible and Tough Cellulose Nanocrystal/Polycaprolactone Hybrid Aerogel Based on the Strategy of Macromolecule Cross-Linking via Click Chemistry. ACS Sustainable Chemistry and Engineering, 2019, 7, 15617-15627.	6.7	40
84	Thermal properties and flame retardancy of polycarbonate/hydroxyapatite nanocomposite. Journal of Applied Polymer Science, 2008, 109, 659-663.	2.6	39
85	High-melting-point crystals of poly(<scp>l</scp>-lactic acid) (PLLA): the most efficient nucleating agent to enhance the crystallization of PLLA. CrystEngComm, 2015, 17, 2310-2320.	2.6	39
86	Phase change mediated mechanically transformative dynamic gel for intelligent control of versatile devices. Materials Horizons, 2021, 8, 1230-1241.	12.2	39
87	An extremely uniform dispersion of MWCNTs in olefin block copolymers significantly enhances electrical and mechanical performances. Polymer Chemistry, 2015, 6, 7160-7170.	3.9	38
88	Melt viscoelasticity, electrical conductivity, and crystallization of PVDF/MWCNT composites: Effect of the dispersion of MWCNTs. Journal of Applied Polymer Science, 2012, 125, E49.	2.6	37
89	Templateâ€Free Selfâ€Caging Nanochemistry for Largeâ€Scale Synthesis of Sulfonatedâ€Graphene@Sulfur Nanocage for Longâ€Life Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2021, 31, 2008652.	14.9	37
90	Anomalous attenuation of the positive temperature coefficient of resistivity in a carbon-black-filled polymer composite with electrically conductive in situ microfibrils. Applied Physics Letters, 2006, 89, 032105.	3.3	36

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91	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.	3.7	36
92	Tailoring Crystalline Morphology by High-Efficiency Nucleating Fiber: Toward High-Performance Poly(<scp>l</scp>-lactide) Biocomposites. ACS Applied Materials & Interfaces, 2018, 10, 20044-20054.	8.0	36
93	Scalable Flexible Phase Change Materials with a Swollen Polymer Network Structure for Thermal Energy Storage. ACS Applied Materials & Interfaces, 2021, 13, 59364-59372.	8.0	36
94	Essential Work of Fracture Parameters of in-situ Microfibrillar Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (terephthalate Engineering, 2004, 289, 426-433.	3.6	35
95	Effect of Melt and Mold Temperatures on the Solidification Behavior of HDPE during Gasâ€Assisted Injection Molding: An Enthalpy Transformation Approach. Macromolecular Materials and Engineering, 2009, 294, 336-344.	3.6	35
96	Preparation of cellulose-graft-polylactic acid via melt copolycondensation for use in polylactic acid based composites: synthesis, characterization and properties. RSC Advances, 2016, 6, 1973-1983.	3.6	35
97	Rheological behavior comparison between PET/HDPE and PC/HDPE microfibrillar blends. Polymer Engineering and Science, 2005, 45, 1231-1238.	3.1	34
98	A rheological study on temperature dependent microstructural changes of fumed silica gels in dodecane. Soft Matter, 2012, 8, 10457.	2.7	34
99	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.	3.7	34
100	Toughening of PA6/EPDM-g-MAH/HDPE ternary blends via controlling EPDM-g-MAH grafting degree: the role of coreâ€“shell particle size and shell thickness. Polymer Bulletin, 2015, 72, 177-193.	3.3	34
101	Flexible phase change hydrogels for mid-/low-temperature infrared stealth. Chemical Engineering Journal, 2022, 446, 137463.	12.7	34
102	Simulation of phaseâ€change heat transfer during cooling stage of gasâ€assisted injection molding of highâ€density polyethylene via enthalpy transformation approach. Polymer Engineering and Science, 2009, 49, 1234-1242.	3.1	33
103	Effect of coreâ€shell morphology evolution on the rheology, crystallization, and mechanical properties of PA6/EPDMâ€gâ€MA/HDPE ternary blend. Journal of Applied Polymer Science, 2013, 129, 253-262.	2.6	33
104	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.	3.7	33
105	Formation of in situ CB/PET Microfibers in CB/PET/PE Composites by Slit Die Extrusion and Hot Stretching. Macromolecular Materials and Engineering, 2004, 289, 568-575.	3.6	32
106	Scalable fabrication of flexible piezoresistive pressure sensors based on occluded microstructures for subtle pressure and force waveform detection. Journal of Materials Chemistry C, 2020, 8, 16774-16783.	5.5	32
107	A Waveâ€Driven Piezoelectric Solar Evaporator for Water Purification. Advanced Energy Materials, 2022, 12, .	19.5	32
108	Morphology Dependent Double Yielding in Injection Molded Polycarbonate/Polyethylene Blend. Macromolecular Materials and Engineering, 2004, 289, 1004-1011.	3.6	31

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109	Polymorphism of a high-molecular-weight racemic poly(<scp>l</scp>-lactide)/poly(<scp>d</scp>-lactide) blend: effect of melt blending with poly(methyl) Tj ETQq1 1 0.784314 rgBT /Over	3.7	31
110	Suppressing phase coarsening in immiscible polymer blends using nano-silica particles located at the interface. RSC Advances, 2015, 5, 74295-74303.	3.6	30
111	Morphology of gas-assisted and conventional injection molded polycarbonate/polyethylene blend. Journal of Applied Polymer Science, 2006, 102, 3069-3077.	2.6	29
112	Numerical prediction of phaseâ€change heat conduction of injectionâ€molded high density polyethylene thickâ€walled parts via the enthalpy transforming model with mushy zone. Polymer Engineering and Science, 2008, 48, 1707-1717.	3.1	29
113	Morphology prediction and the effect of coreâ€shell structure on the rheological behavior of PP/EPDM/HDPE ternary blends. Polymer Engineering and Science, 2011, 51, 2425-2433.	3.1	29
114	Effect of EPDMâ€gâ€MAH on the morphology and properties of PA6/EPDM/HDPE ternary blends. Polymer Engineering and Science, 2013, 53, 1845-1855.	3.1	29
115	Induced formation of polar phases in poly(vinylidene fluoride) by cetyl trimethyl ammonium bromide. Journal of Materials Science, 2014, 49, 4171-4179.	3.7	29
116	Rheological behavior of PET/HDPEin situ microfibrillar blends: Influence of microfibrils' flexibility. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1205-1216.	2.1	28
117	The role of gas penetration on morphological formation of polycarbonate/polyethylene blend molded by gas-assisted injection molding. Journal of Materials Science, 2007, 42, 7275-7285.	3.7	28
118	Tailoring the impact behavior of polyamide 6 ternary blends via a hierarchical coreâ€“shell structure in situ formed in melt mixing. RSC Advances, 2015, 5, 14592-14602.	3.6	28
119	Effect of the surface modification of ammonium polyphosphate on the structure and property of melamineâ€“formaldehyde resin microencapsulated ammonium polyphosphate and polypropylene flame retardant composites. Polymer Bulletin, 2015, 72, 2725-2737.	3.3	28
120	Pore formation mechanism of oriented Î² polypropylene cast films during stretching and optimization of stretching methods: In-situ SAXS and WAXD studies. Polymer, 2019, 163, 86-95.	3.8	28
121	Gasâ€assisted injection molded polypropylene: The skinâ€core structure. Polymer Engineering and Science, 2008, 48, 976-986.	3.1	27
122	Large scale formation of various highly oriented structures in polyethylene/polycarbonate microfibril blends subjected to secondary melt flow. Polymer, 2014, 55, 6399-6408.	3.8	27
123	Oriented polypropylene cast films consisted of Î²-transcrystals induced by the nucleating agent self-assembly and its homogeneous membranes with high porosity. Polymer, 2018, 151, 136-144.	3.8	27
124	Morphology and mechanical properties of poly (phenylene sulfide)/isotactic polypropylene in situ microfibrillar blends. Polymer Engineering and Science, 2005, 45, 1303-1311.	3.1	26
125	Dynamic Rheological Behavior of HDPE/UHMWPE Blends. Journal of Macromolecular Science - Physics, 2011, 50, 1249-1259.	1.0	26
126	Progress in polyketone materials: blends and composites. Polymer International, 2018, 67, 1478-1487.	3.1	26

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127	Rational design of MnO2-nanosheets-decroated hierarchical porous carbon nanofiber frameworks as high-performance supercapacitor electrode materials. Electrochimica Acta, 2019, 324, 134891.	5.2	26
128	Mechanochemical preparation of thermoplastic cellulose oleate by ball milling. Green Chemistry, 2021, 23, 2069-2078.	9.0	26
129	Morphology-tensile behavior relationship in injection molded poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (ter of Materials Science, 2004, 39, 433-443.	3.7	25
130	Crystallization and morphology of iPP/MWCNT prepared by compounding iPP melt with MWCNT aqueous suspension. Colloid and Polymer Science, 2009, 287, 615-620.	2.1	25
131	Morphology and mechanical property of high-density polyethylene parts prepared by gas-assisted injection molding. Colloid and Polymer Science, 2011, 289, 1661-1671.	2.1	25
132	A hierarchically combined reduced graphene oxide/Nickel oxide hybrid supercapacitor device demonstrating compliable flexibility and high energy density. Journal of Colloid and Interface Science, 2022, 618, 399-410.	9.4	25
133	Morphology development of PC/PE blends during compounding in a twin-screw extruder. Polymer Engineering and Science, 2007, 47, 14-25.	3.1	24
134	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.	2.6	24
135	Unusual hierarchical distribution of Î²-crystals and improved mechanical properties of injection-molded bars of isotactic polypropylene. RSC Advances, 2014, 4, 25135-25147.	3.6	24
136	Supercooling-dependent morphology evolution of an organic nucleating agent in poly(<scp>l</scp>-lactide)/poly(<scp>d</scp>-lactide) blends. CrystEngComm, 2017, 19, 1648-1657.	2.6	24
137	Formation of various crystalline structures in a polypropylene/polycarbonate in situ microfibrillar blend during the melt second flow. Physical Chemistry Chemical Physics, 2016, 18, 14030-14039.	2.8	22
138	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.	2.6	21
139	Balanced strength and ductility improvement of in situ crosslinked polylactide/poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.6	21
140	Chemically bonding BaTiO₃ nanoparticles in highly filled polymer nanocomposites for greatly enhanced dielectric properties. Journal of Materials Chemistry C, 2020, 8, 8786-8795.	5.5	21
141	Influences of hot stretch ratio on essential work of fracture ofin-situ microfibrillar poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	20
142	Role of gas delay time on the hierarchical crystalline structure and mechanical property of HDPE molded by gas-assisted injection molding. Colloid and Polymer Science, 2012, 290, 1133-1144.	2.1	20
143	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.	3.6	20
144	Suppressing phase retraction and coalescence of co-continuous polymer blends: effect of nanoparticles and particle network. RSC Advances, 2014, 4, 49429-49441.	3.6	20

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145	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.	5.5	20
146	Direct modification of polyketone resin for anion exchange membrane of alkaline fuel cells. Journal of Colloid and Interface Science, 2019, 556, 420-431.	9.4	20
147	Investigation on Tensile Deformation Behavior of Semi-Crystalline Polymers. Journal of Macromolecular Science - Physics, 2009, 48, 799-811.	1.0	19
148	Crystallization behavior and molecular orientation of high density polyethylene parts prepared by gasâ€assisted injection molding. Polymer International, 2012, 61, 622-630.	3.1	19
149	The preparation, structures, and properties of poly(vinylidene fluoride)/multiwall carbon nanotubes nanocomposites. Journal of Applied Polymer Science, 2012, 125, E592.	2.6	19
150	Enantiomeric poly(<scp>d</scp>-lactide) with a higher melting point served as a significant nucleating agent for poly(<scp>l</scp>-lactide). CrystEngComm, 2015, 17, 4334-4342.	2.6	19
151	Effect of chain entanglement on the melt-crystallization behavior of poly(l-lactide) acid. Journal of Polymer Research, 2016, 23, 1.	2.4	19
152	Self-assembled nano-leaf/vein bionic structure of TiO₂/MoS₂ composites for photoelectric sensors. Nanoscale, 2017, 9, 18194-18201.	5.6	19
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