

Ming-Bo Yang

List of Publications by Year in descending order

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306
papers

13,173
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23567

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times ranked

10211
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoresistive behavior of elastomer composites with segregated network of carbon nanostructures and alumina. <i>Nano Materials Science</i> , 2023, 5, 312-318.	8.8	2
2	In-situ construction of high-modulus nanospheres on elastomer fibers for linearity-tunable strain sensing. <i>Chemical Engineering Journal</i> , 2022, 431, 133488.	12.7	11
3	Recent Advances in Multiresponsive Flexible Sensors towards E-skin: A Delicate Design for Versatile Sensing. <i>Small</i> , 2022, 18, e2103734.	10.0	76
4	Macromolecule Relaxation Directed 3D Nanofiber Architecture in Stretchable Fibrous Mats for Wearable Multifunctional Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15678-15686.	8.0	12
5	A Wave-Driven Piezoelectric Solar Evaporator for Water Purification. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	32
6	A hierarchically combined reduced graphene oxide/Nickel oxide hybrid supercapacitor device demonstrating compliant flexibility and high energy density. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 399-410.	9.4	25
7	Exploring Next-Generation Functional Organic Phase Change Composites. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	42
8	Self-Sensing Actuators Based on a Stiffness Variable Reversible Shape Memory Polymer Enabled by a Phase Change Material. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22521-22530.	8.0	19
9	A Wave-Driven Piezoelectric Solar Evaporator for Water Purification (<i>Adv. Energy Mater.</i> 21/2022). <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	0
10	Flexible phase change hydrogels for mid-/low-temperature infrared stealth. <i>Chemical Engineering Journal</i> , 2022, 446, 137463.	12.7	34
11	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. <i>Carbon</i> , 2021, 173, 1020-1040.	10.3	71
12	Boosting piezoelectric response of PVDF-TrFE via MXene for self-powered linear pressure sensor. <i>Composites Science and Technology</i> , 2021, 202, 108600.	7.8	165
13	Degradable ultrathin high-performance photocatalytic hydrogen generator from porous electrospun composite fiber membrane with enhanced light absorption ability. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10277-10288.	10.3	8
14	Imidazole-functionalized polyketone-based polyelectrolytes with efficient ionic channels and superwettability for alkaline polyelectrolyte fuel cells and multiple liquid purification. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14827-14840.	10.3	11
15	Light- and magnetic-responsive synergy controlled reconfiguration of polymer nanocomposites with shape memory assisted self-healing performance for soft robotics. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5515-5527.	5.5	57
16	Template-Free Self-Caging Nanochemistry for Large-Scale Synthesis of Sulfonated-Graphene@Sulfur Nanocage for Long-Life Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2008652.	14.9	37
17	A Facile and Rapid Approach to Lotus-Seedpod-Structured Electronic Skin for Monitoring Diverse Physical Stimuli. <i>Advanced Materials Technologies</i> , 2021, 6, 2001084.	5.8	6
18	Vitrimers of polyolefin elastomer with physically cross-linked network. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	17

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19	Electrospun Modified Polyketone-Based Anion Exchange Membranes with High Ionic Conductivity and Robust Mechanical Properties. <i>ACS Applied Energy Materials</i> , 2021, 4, 5187-5200.	5.1	18
20	Boosting solar steam generation in dynamically tunable polymer porous architectures. <i>Polymer</i> , 2021, 226, 123811.	3.8	13
21	Fabrication of a NiO@NF supported free-standing porous carbon supercapacitor electrode using temperature-controlled phase separation method. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 770-780.	9.4	16
22	Redox-Mediated Artificial Non-Enzymatic Antioxidant MXene Nanoplatforms for Acute Kidney Injury Alleviation. <i>Advanced Science</i> , 2021, 8, e2101498.	11.2	54
23	Leakage-Proof and Malleable Polyethylene Wax Vitrimer Phase Change Materials for Thermal Interface Management. <i>ACS Applied Energy Materials</i> , 2021, 4, 11173-11182.	5.1	19
24	Mechanochemical preparation of thermoplastic cellulose oleate by ball milling. <i>Green Chemistry</i> , 2021, 23, 2069-2078.	9.0	26
25	Aligned wave-like elastomer fibers with robust conductive layers via electroless deposition for stretchable electrode applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8801-8808.	5.8	5
26	Phase change mediated mechanically transformative dynamic gel for intelligent control of versatile devices. <i>Materials Horizons</i> , 2021, 8, 1230-1241.	12.2	39
27	Low-entropy structured wearable film sensor with piezoresistive-piezoelectric hybrid effect for 3D mechanical signal screening. <i>Nano Energy</i> , 2021, 90, 106603.	16.0	41
28	Improvement in the output performance of polyethylene oxide-based triboelectric nanogenerators by introducing core-shell Ag@SiO ₂ particles. <i>Journal of Materials Chemistry C</i> , 2021, 10, 265-273.	5.5	12
29	Interfacial Radiation-Absorbing Hydrogel Film for Efficient Thermal Utilization on Solar Evaporator Surfaces. <i>Nano Letters</i> , 2021, 21, 10516-10524.	9.1	46
30	Scalable Flexible Phase Change Materials with a Swollen Polymer Network Structure for Thermal Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59364-59372.	8.0	36
31	All-weather-available, continuous steam generation based on the synergistic photo-thermal and electro-thermal conversion by MXene-based aerogels. <i>Materials Horizons</i> , 2020, 7, 855-865.	12.2	153
32	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. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2701-2711.	10.3	103
33	Self-assembled core-shell polydopamine@MXene with synergistic solar absorption capability for highly efficient solar-to-vapor generation. <i>Nano Research</i> , 2020, 13, 255-264.	10.4	174
34	Driven by electricity: multilayered GO-Fe ₃ O ₄ @PDA-PAM flake assembled micro flower-like anode for high-performance lithium ion batteries. <i>Applied Surface Science</i> , 2020, 499, 143934.	6.1	17
35	Photo-Driven Self-Healing of Arbitrary Nondestructive Damage in Polyethylene-Based Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1650-1657.	8.0	9
36	Recent advances in polymer-based thermal interface materials for thermal management: A mini-review. <i>Composites Communications</i> , 2020, 22, 100528.	6.3	91

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37	Morphologies, interfacial interaction and mechanical performance of super-tough nanostructured PK/PA6 blends. <i>Polymer Testing</i> , 2020, 91, 106777.	4.8	5
38	Design of compressible and elastic N-doped porous carbon nanofiber aerogels as binder-free supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17257-17265.	10.3	61
39	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. <i>Materials Horizons</i> , 2020, 7, 2450-2459.	12.2	47
40	Smart Ti ₃ C ₂ T _x MXene Fabric with Fast Humidity Response and Joule Heating for Healthcare and Medical Therapy Applications. <i>ACS Nano</i> , 2020, 14, 8793-8805.	14.6	288
41	Waterproof Phase Change Material with a Facilely Incorporated Cellulose Nanocrystal/Poly(<i>N</i> -isopropylacrylamide) Network for All-Weather Outdoor Thermal Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53365-53375.	8.0	11
42	Scalable fabrication of flexible piezoresistive pressure sensors based on occluded microstructures for subtle pressure and force waveform detection. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16774-16783.	5.5	32
43	Synthesis of thermoplastic cellulose grafted polyurethane from regenerated cellulose. <i>Cellulose</i> , 2020, 27, 8667-8679.	4.9	9
44	Biobinder Nanocoating for Upgrading the Assembling Structures of High-Capacity Composite Electrodes with a Robust Polymeric Artificial Solid Electrolyte Interphase. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58201-58211.	8.0	11
45	An Effective Strategy to Achieve Ultralow Electrical Percolation Threshold with CNTs Anchoring at the Interface of PVDF/PS Bi-Continuous Structures to Form an Interfacial Conductive Layer. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900835.	3.6	7
46	Formation of oriented β -transcrystals induced by self-assembly of nucleating agent and its micropores formation during uniaxial stretching. <i>Polymer Crystallization</i> , 2020, 3, e10129.	0.8	3
47	A facile fabrication of shape memory polymer nanocomposites with fast light-response and self-healing performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105931.	7.6	75
48	A strain localization directed crack control strategy for designing MXene-based customizable sensitivity and sensing range strain sensors for full-range human motion monitoring. <i>Nano Energy</i> , 2020, 74, 104814.	16.0	77
49	Chemically bonding BaTiO ₃ nanoparticles in highly filled polymer nanocomposites for greatly enhanced dielectric properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8786-8795.	5.5	21
50	A facile strategy towards heterogeneous preparation of thermoplastic cellulose grafted polyurethane from amorphous regenerated cellulose paste. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 177-186.	7.5	8
51	A new insight into multi-tier structure tailoring: Synchronous utilization of particle migration and incompatible interface separation under shear flow. <i>Polymer</i> , 2020, 194, 122384.	3.8	4
52	Fabrication of poly(ϵ -caprolactone) (PCL) /poly(propylene carbonate) (PPC) /ethylene- α -octene block copolymer (OBC) triple shape memory blends with cycling performance by constructing a co-continuous phase morphology. <i>Polymer International</i> , 2020, 69, 702-711.	3.1	7
53	Formation mechanism of hierarchically crystalline structures under coupled external fields in multi-melt multi-injection molding: Simulation and experiment. <i>Composites Part B: Engineering</i> , 2020, 188, 107770.	12.0	11
54	Flexible TPU strain sensors with tunable sensitivity and stretchability by coupling AgNWs with rGO. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4040-4048.	5.5	70

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55	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. <i>Energy & Fuels</i> , 2020, 34, 2471-2479.	5.1	49
56	Facile fabrication of shape-stabilized polyethylene glycol/cellulose nanocrystal phase change materials based on thiol-ene click chemistry and solvent exchange. <i>Chemical Engineering Journal</i> , 2020, 396, 125206.	12.7	64
57	Nanofibrillar Poly(vinyl alcohol) Ionic Organohydrogels for Smart Contact Lens and Human-Interactive Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23514-23522.	8.0	59
58	Regenerated cellulose aerogel: Morphology control and the application as the template for functional cellulose nanoparticles. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49127.	2.6	8
59	An enhancement on the dielectric performance of poly(vinylidene fluoride)-based composite with graphene oxide-BaTiO ₃ hybrid. <i>Nanocomposites</i> , 2019, 5, 61-66.	4.2	14
60	Electro and Light-Active Actuators Based on Reversible Shape-Memory Polymer Composites with Segregated Conductive Networks. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30332-30340.	8.0	66
61	Bacterial cellulose/MXene hybrid aerogels for photodriven shape-stabilized composite phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2019, 203, 110174.	6.2	85
62	High-performance composite phase change materials for energy conversion based on macroscopically three-dimensional structural materials. <i>Materials Horizons</i> , 2019, 6, 250-273.	12.2	187
63	Flexible and Tough Cellulose Nanocrystal/Polycaprolactone Hybrid Aerogel Based on the Strategy of Macromolecule Cross-Linking via Click Chemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15617-15627.	6.7	40
64	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36589-36597.	8.0	216
65	Rational design of MnO ₂ -nanosheets-decorated hierarchical porous carbon nanofiber frameworks as high-performance supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2019, 324, 134891.	5.2	26
66	Facile preparation of polymer coating on reduced graphene oxide sheets by plasma polymerization. <i>Nanocomposites</i> , 2019, 5, 74-83.	4.2	2
67	Direct modification of polyketone resin for anion exchange membrane of alkaline fuel cells. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 420-431.	9.4	20
68	Nitrogen-doped carbon-coated Fe ₃ O ₄ /rGO nanocomposite anode material for enhanced initial coulombic efficiency of lithium-ion batteries. <i>Ionics</i> , 2019, 25, 1513-1521.	2.4	11
69	Supramolecular self-assembly of compound 1 nucleating agent and effect on polypropylene microporous membrane. <i>Polymer Crystallization</i> , 2019, 2, e10080.	0.8	3
70	Facile method to enhance output performance of bacterial cellulose nanofiber based triboelectric nanogenerator by controlling micro-nano structure and dielectric constant. <i>Nano Energy</i> , 2019, 62, 620-627.	16.0	122
71	Multilayer structured AgNW/WPU-MXene fiber strain sensors with ultrahigh sensitivity and a wide operating range for wearable monitoring and healthcare. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15913-15923.	10.3	184
72	Role of Controlled Diameter of Polyamide 6 (PA6) Fibers on the Formation of Interfacial Hybrid Crystal Morphology in HDPE/PA6 Microfibril Blend. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 9056-9064.	3.7	3

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73	Multifunctional Thermal Management Materials with Excellent Heat Dissipation and Generation Capability for Future Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18739-18745.	8.0	116
74	A Facile Fabrication of PCL/OBC/MWCNTs Nanocomposite with Selective Dispersion of MWCNTs to Access Electrically Responsive Shape Memory Effect. <i>Polymer Composites</i> , 2019, 40, E1353-E1363.	4.6	11
75	Highly sensitive and multifunctional piezoresistive sensor based on polyaniline foam for wearable Human-Activity monitoring. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 510-516.	7.6	78
76	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10446-10455.	10.3	208
77	Enhanced Thermal Conductivity and Balanced Mechanical Performance of PP/BN Composites with 1 vol% Finely Dispersed MWCNTs Assisted by OBC. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900081.	3.7	33
78	Multi-functional carbon integrated rGO-Fe ₃ O ₄ @C composites as porous building blocks to construct anode with high cell capacity and high areal capacity for lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 430-438.	3.8	13
79	Constructing Sandwich-Architected Poly(l-lactide)/High-Melting-Point Poly(l-lactide) Nonwoven Fabrics: Toward Heat-Resistant Poly(l-lactide) Barrier Biocomposites with Full Biodegradability. <i>ACS Applied Bio Materials</i> , 2019, 2, 1357-1367.	4.6	11
80	Effect of aspect ratio of multi-wall carbon nanotubes on the dispersion in ethylene- α -octene block copolymer and the properties of the Nanocomposites. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	19
81	Synthesis of Inorganic Silica Grafted Three-arm PLLA and Their Behaviors for PLA Matrix. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 216-226.	3.8	7
82	Pore formation mechanism of oriented β polypropylene cast films during stretching and optimization of stretching methods: In-situ SAXS and WAXD studies. <i>Polymer</i> , 2019, 163, 86-95.	3.8	28
83	Novel method for fabrication of PP/HDPE/PP trilayer microporous membrane with a highly orientated structure. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47249.	2.6	3
84	Effects of modified nano-silica on the microstructure of PVDF and its microporous membranes. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	13
85	Effect of external field on the lamellar crystalline structure and properties of poly(4-methyl- ϵ -pentene) casting film. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47293.	2.6	5
86	Scalable Synthesis of an Artificial Polydopamine Solid-Electrolyte-Interface-Assisted 3D rGO/Fe ₃ O ₄ @PDA Hydrogel for a Highly Stable Anode with Enhanced Lithium-Ion Storage Properties. <i>ChemElectroChem</i> , 2019, 6, 1069-1077.	3.4	8
87	Highly anisotropic functional conductors fabricated by multi-melt multi-injection molding (M3IM): A synergetic role of multiple melt flows and confined interface. <i>Composites Science and Technology</i> , 2019, 171, 127-134.	7.8	5
88	Dopamine-induced functionalization of cellulose nanocrystals with polyethylene glycol towards poly(L-lactic acid) bionanocomposites for green packaging. <i>Carbohydrate Polymers</i> , 2019, 203, 275-284.	10.2	45
89	The effect of alkylated graphene oxide on the crystal structure of poly(4-methyl- ϵ -pentene) during uniaxial deformation at high temperature. <i>Polymer Composites</i> , 2019, 40, E493.	4.6	2
90	Effect of temperature, crystallinity and molecular chain orientation on the thermal conductivity of polymers: a case study of PLLA. <i>Journal of Materials Science</i> , 2018, 53, 10543-10553.	3.7	79

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91	Influence of annealing treatment on the structure and properties of poly(4- <i>ε</i> -methyl- ϵ -pentene)-based films and membranes. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46491.	2.6	5
92	2D end-to-end carbon nanotube conductive networks in polymer nanocomposites: a conceptual design to dramatically enhance the sensitivities of strain sensors. <i>Nanoscale</i> , 2018, 10, 2191-2198.	5.6	83
93	Hybridizing graphene aerogel into three-dimensional graphene foam for high-performance composite phase change materials. <i>Energy Storage Materials</i> , 2018, 13, 88-95.	18.0	210
94	Photodriven Shape-Stabilized Phase Change Materials with Optimized Thermal Conductivity by Tailoring the Microstructure of Hierarchically Ordered Hybrid Porous Scaffolds. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6761-6770.	6.7	88
95	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. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 56-64.	6.2	223
96	Enhancing crystallization rate and melt strength of <i>PLLA</i> with four- <i>arm PLLA</i> grafted silica: The effect of molecular weight of the grafting <i>PLLA</i> chains. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45675.	2.6	15
97	A Facile Route to Fabricate Highly Anisotropic Thermally Conductive Elastomeric POE/NG Composites for Thermal Management. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700946.	3.7	56
98	Effect of phase coarsening under melt annealing on the electrical performance of polymer composites with a double percolation structure. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 137-147.	2.8	18
99	Electrically insulating POE/BN elastomeric composites with high through-plane thermal conductivity fabricated by two-roll milling and hot compression. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 160-167.	21.1	81
100	Correlation between phase separation and rheological behavior in bitumen/SBS/PE blends. <i>RSC Advances</i> , 2018, 8, 41713-41721.	3.6	10
101	Human Skin-Inspired Electronic Sensor Skin with Electromagnetic Interference Shielding for the Sensation and Protection of Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40880-40889.	8.0	78
102	Tannic acid functionalized graphene hydrogel for organic dye adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 299-306.	6.0	66
103	Electrically insulating, layer structured SiR/GNPs/BN thermal management materials with enhanced thermal conductivity and breakdown voltage. <i>Composites Science and Technology</i> , 2018, 167, 456-462.	7.8	97
104	Tailoring Crystalline Morphology by High-Efficiency Nucleating Fiber: Toward High-Performance Poly(<i>PLA</i>) Biocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20044-20054.	8.0	36
105	Progress in polyketone materials: blends and composites. <i>Polymer International</i> , 2018, 67, 1478-1487.	3.1	26
106	Oriented polypropylene cast films consisted of β -transcrystals induced by the nucleating agent self-assembly and its homogeneous membranes with high porosity. <i>Polymer</i> , 2018, 151, 136-144.	3.8	27
107	High-performance porous polylactide stereocomplex crystallite scaffolds prepared by solution blending and salt leaching. <i>Materials Science and Engineering C</i> , 2018, 90, 602-609.	7.3	46
108	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. <i>Chemical Engineering Journal</i> , 2017, 315, 481-490.	12.7	264

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109	Hierarchical crystalline structures induced by temperature profile in HDPE bars during melt penetration process. Chinese Journal of Polymer Science (English Edition), 2017, 35, 108-122.	3.8	7
110	Supercooling-dependent morphology evolution of an organic nucleating agent in poly(l-lactide)/poly(d-lactide) blends. CrystEngComm, 2017, 19, 1648-1657.	2.6	24
111	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.	2.8	12
112	The massive formation of hybrid shish-kebab structures in HDPE/PA6 microfibril blend subjected to melt second flow. Journal of Applied Polymer Science, 2017, 134, 45274.	2.6	6
113	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
114	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
115	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. Polymer, 2017, 110, 1-11.	3.8	59
116	High Efficiency Conversion of Regenerated Cellulose Hydrogel Directly to Functionalized Cellulose Nanoparticles. Macromolecular Rapid Communications, 2017, 38, 1700409.	3.9	8
117	Excellent mechanical performance and enhanced dielectric properties of OBC/SiO ₂ elastomeric nanocomposites: effect of dispersion of the SiO ₂ nanoparticles. RSC Advances, 2017, 7, 46297-46305.	3.6	2
118	Self-assembled nano-leaf/vein bionic structure of TiO ₂ /MoS ₂ composites for photoelectric sensors. Nanoscale, 2017, 9, 18194-18201.	5.6	19
119	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
120	Influence of HMW tail chains on the structural evolution of HDPE induced by second melt penetration. Physical Chemistry Chemical Physics, 2017, 19, 17745-17755.	2.8	5
121	Self-assembled high-strength hydroxyapatite/graphene oxide/chitosan composite hydrogel for bone tissue engineering. Carbohydrate Polymers, 2017, 155, 507-515.	10.2	205
122	Morphological Evolution of Polystyrene/Polyethylene Blend Induced by Strong Second Melt Penetration. Macromolecular Materials and Engineering, 2016, 301, 714-724.	3.6	8
123	Description of second flow field via the deformation of polystyrene phase in high-density polyethylene matrix. Journal of Applied Polymer Science, 2016, 133, .	2.6	1
124	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
125	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
126	Morphology evolution and the tri-continuous morphology formation of a PVDF/PS/HDPE ternary blend in melt mixing. RSC Advances, 2016, 6, 38803-38810.	3.6	12

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127	Effect of the MWCNTs selective localization on the dielectric properties for PVDF/PS/HDPE ternary blends with in situ formed core-shell structure. RSC Advances, 2016, 6, 58493-58500.	3.6	11
128	Hierarchical crystalline structures induced by temperature profile in HDPE bars during melt penetration process. Chinese Journal of Polymer Science (English Edition), 2016, , 1.	3.8	0
129	The molecular weight dependence of the crystallization behavior of four-arm poly(L-lactide). Colloid and Polymer Science, 2016, 294, 1865-1870.	2.1	3
130	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.	10.3	216
131	Strong shear-driven large scale formation of hybrid shish-kebab in carbon nanofiber reinforced polyethylene composites during the melt second flow. Physical Chemistry Chemical Physics, 2016, 18, 30452-30461.	2.8	12
132	Effect of chain entanglement on the melt-crystallization behavior of poly(L-lactide) acid. Journal of Polymer Research, 2016, 23, 1.	2.4	19
133	New understanding for the formation of conductive network in the nanocomposites during the crystallization of matrix. Journal of Polymer Research, 2016, 23, 1.	2.4	1
134	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
135	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
136	Influences of melt-draw ratio and annealing on the crystalline structure and orientation of poly(4-methyl-1-pentene) casting films. RSC Advances, 2016, 6, 62038-62044.	3.6	6
137	Solvent-controlled formation of a reduced graphite oxide gel via hydrogen bonding. RSC Advances, 2016, 6, 27267-27271.	3.6	2
138	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
139	Preparation of cellulose-graft-poly(lactic acid) via melt copolycondensation for use in poly(lactic acid) based composites: synthesis, characterization and properties. RSC Advances, 2016, 6, 1973-1983.	3.6	35
140	Hierarchical crystalline morphologies induced by a distinctly different melt penetrating process. RSC Advances, 2015, 5, 98299-98308.	3.6	6
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