Ming-Bo Yang

List of Publications by Year in Descending Order

301 papers	9,620 citations	50 h-index	83 g-index
308 ext. papers	11,708 ext. citations	6 avg, IF	6.59 L-index

#	Paper	IF	Citations
301	Double-layered and shape-stabilized phase change materials with enhanced thermal conduction and reversible thermochromism for solar thermoelectric power generation. *Chemical Engineering Journal*, **2022**, 430, 132773	14.7	7
300	Effects of convective schemes and geometric reconstruction scheme on interface of multiple melt flows. *Polymer*, **2022**, 245, 124692	3.9	
299	In-situ construction of high-modulus nanospheres on elastomer fibers for linearity-tunable strain sensing. *Chemical Engineering Journal*, **2021**, 431, 133488	14.7	2
298	Polymer Composites for Thermal Energy Storage **2021**, 29-61		
297	Recent Advances in Multiresponsive Flexible Sensors towards E-skin: A Delicate Design for Versatile Sensing. *Small*, **2021**, e2103734	11	10
296	Improvement in the output performance of polyethylene oxide-based triboelectric nanogenerators by introducing core–shell Ag@SiO2 particles. *Journal of Materials Chemistry C*, **2021**, 10, 265-273	7.1	1
295	Low-entropy structured wearable film sensor with piezoresistive-piezoelectric hybrid effect for 3D mechanical signal screening. *Nano Energy*, **2021**, 90, 106603	17.1	8
294	A Facile and Rapid Approach to Lotus-Seedpod-Structured Electronic Skin for Monitoring Diverse Physical Stimuli. *Advanced Materials Technologies*, **2021**, 6, 2001084	6.8	3
293	Electrospun Modified Polyketone-Based Anion Exchange Membranes with High Ionic Conductivity and Robust Mechanical Properties. *ACS Applied Energy Materials*, **2021**, 4, 5187-5200	6.1	3
292	Simulation and experimental studies on the formation and evolution of hierarchical crystalline structures at the multi-melt flow interface. *Composites Part A: Applied Science and Manufacturing*, **2021**, 144, 106269	8.4	4
291	Boosting solar steam generation in dynamically tunable polymer porous architectures. *Polymer*, **2021**, 226, 123811	3.9	5
290	Construction of "core–shell" structure for improved thermal conductivity and mechanical properties of polyamide 6 composites. *Polymer Bulletin*, **2021**, 78, 2791-2803	2.4	
289	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. *Carbon*, **2021**, 173, 1020-1040	10.4	28
288	Chemical-resistant polyamide 6/polyketone composites with gradient encapsulation structure: An insight into the formation mechanism. *Polymer*, **2021**, 212, 123173	3.9	0
287	Highly sensitive pressure sensor with broad linearity via constructing a hollow structure in polyaniline/polydimethylsiloxane composite. *Composites Science and Technology*, **2021**, 201, 108546	8.6	8
286	Boosting piezoelectric response of PVDF-TrFE via MXene for self-powered linear pressure sensor. *Composites Science and Technology*, **2021**, 202, 108600	8.6	51
285	Lightweight poly (vinylidene fluoride)/silver nanowires hybrid membrane with different conductive network structure for electromagnetic interference shielding. *Polymer Composites*, **2021**, 42, 522-531	3	5

284	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
283	Degradable ultrathin high-performance photocatalytic hydrogen generator from porous electrospun composite fiber membrane with enhanced light absorption ability. *Journal of Materials Chemistry A*, **2021**, 9, 10277-10288	13	3
282	Imidazole-functionalized polyketone-based polyelectrolytes with efficient ionic channels and superwettability for alkaline polyelectrolyte fuel cells and multiple liquid purification. *Journal of Materials Chemistry A*, **2021**, 9, 14827-14840	13	5
281	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	7.1	17
280	Redox-Mediated Artificial Non-Enzymatic Antioxidant MXene Nanoplatforms for Acute Kidney Injury Alleviation. *Advanced Science*, **2021**, 8, e2101498	13.6	14
279	Combining 'grafting to' and 'grafting from' to synthesize comb-like NCC-g-PLA as a macromolecular modifying agent of PLA. *Nanotechnology*, **2021**, 32,	3.4	2
278	Formation of nanosheets-assembled porous polymer microspheres via the combination effect of polymer crystallization and vapor-induced phase separation. *Polymer*, **2021**, 231, 124118	3.9	0
277	Tunable reversible deformation of semicrystalline polymer networks based on temperature memory effect. *Polymer*, **2021**, 232, 124157	3.9	2
276	Flexible shape-stabilized phase change materials with passive radiative cooling capability for thermal management. *Chemical Engineering Journal*, **2021**, 425, 131466	14.7	20
275	Mechanochemical preparation of thermoplastic cellulose oleate by ball milling. *Green Chemistry*, **2021**, 23, 2069-2078	10	6
274	Phase change mediated mechanically transformative dynamic gel for intelligent control of versatile devices. *Materials Horizons*, **2021**, 8, 1230-1241	14.4	15
273	Interfacial Radiation-Absorbing Hydrogel Film for Efficient Thermal Utilization on Solar Evaporator Surfaces. *Nano Letters*, **2021**,	11.5	5
272	Scalable Flexible Phase Change Materials with a Swollen Polymer Network Structure for Thermal Energy Storage. *ACS Applied Materials & Interfaces*, **2021**,	9.5	3
271	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	8.4	35
270	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
269	Multifunctional and highly sensitive piezoresistive sensing textile based on a hierarchical architecture. *Composites Science and Technology*, **2020**, 197, 108255	8.6	35
268	A new insight into multi-tier structure tailoring: Synchronous utilization of particle migration and incompatible interface separation under shear flow. *Polymer*, **2020**, 194, 122384	3.9	2
267	Fabrication of poly(□caprolactone) (PCL)/poly(propylene carbonate) (PPC)/ethylene-□octene block copolymer (OBC) triple shape memory blends with cycling performance by constructing a co-continuous phase morphology. *Polymer International*, **2020**, 69, 702-711	3.3	3

266	Formation mechanism of hierarchically crystalline structures under coupled external fields in multi-melt multi-injection molding: Simulation and experiment. *Composites Part B: Engineering*, **2020**, 188, 107770	10	7
265	Flexible TPU strain sensors with tunable sensitivity and stretchability by coupling AgNWs with rGO. *Journal of Materials Chemistry C*, **2020**, 8, 4040-4048	7.1	35
264	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. *Energy & Fuels*, **2020**, 34, 2471-2479	4.1	34
263	Highly thermally conductive electrospun stereocomplex polylactide fibrous film dip-coated with silver nanowires. *Polymer*, **2020**, 194, 122390	3.9	12
262	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
261	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
260	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
259	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
258	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
257	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
256	Driven by electricity: multilayered GO-Fe3O4@PDA-PAM flake assembled micro flower-like anode for high-performance lithium ion batteries. *Applied Surface Science*, **2020**, 499, 143934	6.7	8
255	Robust polymer-based paper-like thermal interface materials with a through-plane thermal conductivity over 9 Wm⁻¹K⁻¹. *Chemical Engineering Journal*, **2020**, 392, 123784	14.7	42
254	Photo-Driven Self-Healing of Arbitrary Nondestructive Damage in Polyethylene-Based Nanocomposites. *ACS Applied Materials & Interfaces*, **2020**, 12, 1650-1657	9.5	7
253	High-efficient crystallization promotion and melt reinforcement effect of diblock PDLA-b-PLLA copolymer on PLLA. *Polymer*, **2020**, 186, 122021	3.9	8
252	Recent advances in polymer-based thermal interface materials for thermal management: A mini-review. *Composites Communications*, **2020**, 22, 100528	6.7	30
251	Morphologies, interfacial interaction and mechanical performance of super-tough nanostructured PK/PA6 blends. *Polymer Testing*, **2020**, 91, 106777	4.5	3
250	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. *Materials Horizons*, **2020**, 7, 2450-2459	14.4	24
249	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

248	Waterproof Phase Change Material with a Facilely Incorporated Cellulose Nanocrystal/Poly(-isopropylacrylamide) Network for All-Weather Outdoor Thermal Energy Storage. *ACS Applied Materials & Interfaces*, **2020**, 12, 53365-53375	9.5	5
247	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	7.1	9
246	Synthesis of thermoplastic cellulose grafted polyurethane from regenerated cellulose. *Cellulose*, **2020**, 27, 8667-8679	5.5	3
245	Biobinder Nanocoating for Upgrading the Assembling Structures of High-Capacity Composite Electrodes with a Robust Polymeric Artificial Solid Electrolyte Interphase. *ACS Applied Materials & Interfaces*, **2020**, 12, 58201-58211	9.5	5
244	Regenerated cellulose aerogel: Morphology control and the application as the template for functional cellulose nanoparticles. *Journal of Applied Polymer Science*, **2020**, 137, 49127	2.9	5
243	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	8.3	21
242	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. *ACS Applied Materials & Interfaces*, **2019**, 11, 36589-36597	9.5	106
241	Rational design of MnO2-nanosheets-decroated hierarchical porous carbon nanofiber frameworks as high-performance supercapacitor electrode materials. *Electrochimica Acta*, **2019**, 324, 134891	6.7	19
240	Direct modification of polyketone resin for anion exchange membrane of alkaline fuel cells. *Journal of Colloid and Interface Science*, **2019**, 556, 420-431	9.3	13
239	Diameter dependence of hybrid shish-kebab structure in polyethylene/carbon material fiber composites. *Journal of Polymer Science, Part B: Polymer Physics*, **2019**, 57, 297-303	2.6	4
238	Super-Toughed PLA Blown Film with Enhanced Gas Barrier Property Available for Packaging and Agricultural Applications. *Materials*, **2019**, 12,	3.5	16
237	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	17.1	61
236	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
235	Role of Controlled Diameter of Polyamide 6 (PA6) Fibers on the Formation of Interfacial Hybrid Crystal Morphology in HDPE/PA6 Microfibril Blend. *Industrial & Engineering Chemistry Research* , **2019**, 58, 9056-9064	3.9	3
234	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
233	Advanced Graphene@Sulfur composites via an in-situ reduction and wrapping strategy for high energy density lithium–sulfur batteries. *Carbon*, **2019**, 150, 224-232	10.4	20
232	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
231	A Facile Fabrication of PCL/OBC/MWCNTs Nanocomposite with Selective Dispersion of MWCNTs to Access Electrically Responsive Shape Memory Effect. *Polymer Composites*, **2019**, 40, E1353-E1363	3	9

230	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
229	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. *Journal of Materials Chemistry A*, **2019**, 7, 10446-10455	13	138
228	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
227	Multi-functional carbon integrated rGO-Fe3O4@C composites as porous building blocks to construct anode with high cell capacity and high areal capacity for lithium ion batteries. *Journal of Electroanalytical Chemistry*, **2019**, 840, 430-438	4.1	7
226	Constructing Sandwich-Architectured Poly(l-lactide)/High-Melting-Point Poly(l-lactide) Nonwoven Fabrics: Toward Heat-Resistant Poly(l-lactide) Barrier Biocomposites with Full Biodegradability.. *ACS Applied Bio Materials*, **2019**, 2, 1357-1367	4.1	9
225	Enhanced Rheological Properties of PLLA with a Purpose-Designed PDLA--PEG--PDLA Triblock Copolymer and the Application in the Film Blowing Process to Acquire Biodegradable PLLA Films. *ACS Omega*, **2019**, 4, 13295-13302	3.9	4
224	Rapid, repeatable, highly sensitive and semi-quantitative colorimetric detection of elemental sulfur with a colored clathrate. *Sensors and Actuators B: Chemical*, **2019**, 299, 126948	8.5	4
223	High actuated performance MWCNT/Ecoflex dielectric elastomer actuators based on layer-by-layer structure. *Composites Part A: Applied Science and Manufacturing*, **2019**, 125, 105527	8.4	24
222	Sulfaguanidine nanofiltration active layer towards anti-adhesive and antimicrobial attributes for desalination and dye removal.. *RSC Advances*, **2019**, 9, 20715-20727	3.7	9
221	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
220	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
219	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
218	Synthesis of Inorganic Silica Grafted Three-arm PLLA and Their Behaviors for PLA Matrix. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 216-226	3.5	5
217	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
216	Effects of modified nano-silica on the microstructure of PVDF and its microporous membranes. *Journal of Polymer Research*, **2019**, 26, 1	2.7	8
215	Influence of Diameter on the Templated Crystallization of Polyethylene/Carbon Material Fiber Composites under Intense Shear Flow. *ACS Omega*, **2019**, 4, 1060-1067	3.9	1
214	Superior thermal interface materials for thermal management. *Composites Communications*, **2019**, 12, 80-85	6.7	38
213	Scalable Synthesis of an Artificial Polydopamine Solid-Electrolyte-Interface-Assisted 3D rGO/Fe3O4@PDA Hydrogel for a Highly Stable Anode with Enhanced Lithium-Ion-Storage Properties. *ChemElectroChem*, **2019**, 6, 1069-1077	4.3	6

212	Highly anisotropic functional conductors fabricated by multi-melt multi-injection molding (M3IM): A synergetic role of multiple melt flows and confined interface. *Composites Science and Technology*, **2019**, 171, 127-134	8.6	4
211	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
210	Improved dielectric properties of polymer-based composites with carboxylic functionalized multiwalled carbon nanotubes. *Journal of Thermoplastic Composite Materials*, **2019**, 32, 473-486	1.9	11
209	Tuning PVDF/PS/HDPE polymer blends to tri-continuous morphology by grafted copolymers as the compatibilizers. *Polymer*, **2018**, 140, 188-197	3.9	27
208	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
207	Formation of the three-dimensional (3D) interlinked hybrid shish-kebabs in injection-molded PE/PE-g-CNF composite by □tructuring□rocessing. *Composites Science and Technology*, **2018**, 157, 209-216	8.6	7
206	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
205	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
204	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
203	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
202	Enhancing crystallization rate and melt strength of PLLA with four-arm PLLA grafted silica: The effect of molecular weight of the grafting PLLA chains. *Journal of Applied Polymer Science*, **2018**, 135, 45675	2.9	11
201	Oriented polypropylene cast films consisted of □transcrystals induced by the nucleating agent self-assembly and its homogeneous membranes with high porosity. *Polymer*, **2018**, 151, 136-144	3.9	23
200	Hierarchical unidirectional graphene aerogel/polyaniline composite for high performance supercapacitors. *Journal of Power Sources*, **2018**, 397, 189-195	8.9	30
199	Preparation of functionalized cellulose nanoparticles and their effect on the crystallization behaviors of poly(l-lactide) based nanocomposites. *Polymer International*, **2018**, 67, 1535-1544	3.3	6
198	Tunable wrinkle structure formed on surface of polydimethylsiloxane microspheres. *European Polymer Journal*, **2018**, 104, 99-105	5.2	8
197	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
196	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
195	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

194	Compatibilization of the poly(lactic acid)/poly(propylene carbonate) blends through in situ formation of poly(lactic acid)-b-poly(propylene carbonate) copolymer. *Journal of Applied Polymer Science*, **2018**, 135, 46009	2.9	13
193	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
192	Correlation between phase separation and rheological behavior in bitumen/SBS/PE blends.. *RSC Advances*, **2018**, 8, 41713-41721	3.7	8
191	Nanoscale Morphology, Interfacial Hydrogen Bonding, Confined Crystallization and Greatly Improved Toughness of Polyamide 12/Polyketone Blends. *Nanomaterials*, **2018**, 8,	5.4	10
190	Enhanced performance of porous silicone-based dielectric elastomeric composites by low filler content of Ag@SiO2 Core-Shell nanoparticles. *Nanocomposites*, **2018**, 4, 238-243	3.4	3
189	Diverse interfacial crystalline morphologies induced by poly (d-lactide) (PDLA) melt penetration process in multi-melt multi-injection molding (M3IM) system. *Composites Part B: Engineering*, **2018**, 153, 429-436	10	6
188	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
187	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
186	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
185	Progress in polyketone materials: blends and composites. *Polymer International*, **2018**, 67, 1478-1487	3.3	12
184	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
183	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
182	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
181	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	2.9	4
180	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
179	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
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	Constructing a special □osatie□ 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

176	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. *Polymer*, **2017**, 110, 1-11	3.9	53
175	High Efficiency Conversion of Regenerated Cellulose Hydrogel Directly to Functionalized Cellulose Nanoparticles. *Macromolecular Rapid Communications*, **2017**, 38, 1700409	4.8	7
174	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
173	Excellent mechanical performance and enhanced dielectric properties of OBC/SiO2 elastomeric nanocomposites: effect of dispersion of the SiO2 nanoparticles. *RSC Advances*, **2017**, 7, 46297-46305	3.7	1
172	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
171	Self-assembled nano-leaf/vein bionic structure of TiO/MoS composites for photoelectric sensors. *Nanoscale*, **2017**, 9, 18194-18201	7.7	13
170	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
169	Synthesis of an Efficient Processing Modifier Silica-g-poly(lactic acid)/poly(propylene carbonate) and Its Behavior for Poly(lactic acid)/Poly(propylene carbonate) Blends. *Industrial & Engineering Chemistry Research*, **2017**, 56, 14704-14715	3.9	7
168	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
167	Influence of HMW tail chains on the structural evolution of HDPE induced by second melt penetration. *Physical Chemistry Chemical Physics*, **2017**, 19, 17745-17755	3.6	5
166	Self-assembled high-strength hydroxyapatite/graphene oxide/chitosan composite hydrogel for bone tissue engineering. *Carbohydrate Polymers*, **2017**, 155, 507-515	10.3	168
165	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
164	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
163	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
162	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
161	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	3.6	11
160	Effect of chain entanglement on the melt-crystallization behavior of poly(l-lactide) acid. *Journal of Polymer Research*, **2016**, 23, 1	2.7	14
159	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

158	Unique crystallization behaviors of isotactic polypropylene in the presence of MWCNT supported nucleating agent: Lower temperature T()-T()interval and fast cooling preferred formation of crystals. *Polymer*, **2016**, 95, 26-35	3.9	6
157	Formation of various crystalline structures in a polypropylene/polycarbonate in situ microfibrillar blend during the melt second flow. *Physical Chemistry Chemical Physics*, **2016**, 18, 14030-9	3.6	19
156	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	3.7	5
155	Solvent-controlled formation of a reduced graphite oxide gel via hydrogen bonding. *RSC Advances*, **2016**, 6, 27267-27271	3.7	2
154	Interfacial relaxation mechanisms in polymer nanocomposites through the rheological study on polymer/grafted nanoparticles. *Polymer*, **2016**, 90, 264-275	3.9	25
153	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
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