Ming-Bo Yang

List of Publications by Year in Descending Order

302 papers	9,228 citations	49 h-index	83 g-index
308 ext. papers	11,119 ext. citations	5.4 avg, IF	6.47 L-index

#	Paper	IF	Citations
302	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	9.3	3
301	A Wave-Driven Piezoelectric Solar Evaporator for Water Purification (Adv. Energy Mater. 21/2022). *Advanced Energy Materials*, **2022**, 12, 2270087	21.8	
300	In-situ construction of high-modulus nanospheres on elastomer fibers for linearity-tunable strain sensing. *Chemical Engineering Journal*, **2021**, 431, 133488	14.7	2
299	Polymer Composites for Thermal Energy Storage **2021**, 29-61		
298	Recent Advances in Multiresponsive Flexible Sensors towards E-skin: A Delicate Design for Versatile Sensing. *Small*, **2021**, e2103734	11	10
297	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
296	Low-entropy structured wearable film sensor with piezoresistive-piezoelectric hybrid effect for 3D mechanical signal screening. *Nano Energy*, **2021**, 90, 106603	17.1	8
295	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
294	Vitrimers of polyolefin elastomer with physically cross-linked network. *Journal of Polymer Research*, **2021**, 28, 1	2.7	1
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	Boosting solar steam generation in dynamically tunable polymer porous architectures. *Polymer*, **2021**, 226, 123811	3.9	5
291	Fabrication of a NiO@NF supported free-standing porous carbon supercapacitor electrode using temperature-controlled phase separation method. *Journal of Colloid and Interface Science*, **2021**, 594, 770-780	9.3	8
290	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. *Carbon*, **2021**, 173, 1020-1040	10.4	28
289	Boosting piezoelectric response of PVDF-TrFE via MXene for self-powered linear pressure sensor. *Composites Science and Technology*, **2021**, 202, 108600	8.6	51
288	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
287	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
286	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

285	Template-Free Self-Caging Nanochemistry for Large-Scale Synthesis of Sulfonated-Graphene@Sulfur Nanocage for Long-Life Lithium-Sulfur Batteries. *Advanced Functional Materials*, **2021**, 31, 2008652	15.6	17
284	Redox-Mediated Artificial Non-Enzymatic Antioxidant MXene Nanoplatforms for Acute Kidney Injury Alleviation. *Advanced Science*, **2021**, 8, e2101498	13.6	14
283	Mechanochemical preparation of thermoplastic cellulose oleate by ball milling. *Green Chemistry*, **2021**, 23, 2069-2078	10	6
282	Aligned wave-like elastomer fibers with robust conductive layers electroless deposition for stretchable electrode applications. *Journal of Materials Chemistry B*, **2021**, 9, 8801-8808	7.3	1
281	Phase change mediated mechanically transformative dynamic gel for intelligent control of versatile devices. *Materials Horizons*, **2021**, 8, 1230-1241	14.4	15
280	Interfacial Radiation-Absorbing Hydrogel Film for Efficient Thermal Utilization on Solar Evaporator Surfaces. *Nano Letters*, **2021**,	11.5	5
279	Scalable Flexible Phase Change Materials with a Swollen Polymer Network Structure for Thermal Energy Storage. *ACS Applied Materials & Interfaces*, **2021**,	9.5	3
278	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. *Macromolecular Materials and Engineering*, **2020**, 305, 1900835	3.9	6
277	Formation of oriented β-transcrystals induced by self-assembly of nucleating agent and its micropores formation during uniaxial stretching. *Polymer Crystallization*, **2020**, 3, e10129	0.9	
276	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
275	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
274	Chemically bonding BaTiO3 nanoparticles in highly filled polymer nanocomposites for greatly enhanced dielectric properties. *Journal of Materials Chemistry C*, **2020**, 8, 8786-8795	7.1	9
273	A facile strategy towards heterogeneous preparation of thermoplastic cellulose grafted polyurethane from amorphous regenerated cellulose paste. *International Journal of Biological Macromolecules*, **2020**, 161, 177-186	7.9	5
272	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
271	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. *Polymer International*, **2020**, 69, 702-711	3.3	3
270	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
269	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
268	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. *Energy & Fuels*, **2020**, 34, 2471-2479	4.1	34

267	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
266	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
265	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
264	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
263	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
262	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
261	Photo-Driven Self-Healing of Arbitrary Nondestructive Damage in Polyethylene-Based Nanocomposites. *ACS Applied Materials & Interfaces*, **2020**, 12, 1650-1657	9.5	7
260	Recent advances in polymer-based thermal interface materials for thermal management: A mini-review. *Composites Communications*, **2020**, 22, 100528	6.7	30
259	Morphologies, interfacial interaction and mechanical performance of super-tough nanostructured PK/PA6 blends. *Polymer Testing*, **2020**, 91, 106777	4.5	3
258	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	13	31
257	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. *Materials Horizons*, **2020**, 7, 2450-2459	14.4	24
256	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
255	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
254	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
253	Synthesis of thermoplastic cellulose grafted polyurethane from regenerated cellulose. *Cellulose*, **2020**, 27, 8667-8679	5.5	3
252	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
251	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
250	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

249	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. *ACS Applied Materials & Interfaces*, **2019**, 11, 36589-36597	9.5	106
248	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
247	Facile preparation of polymer coating on reduced graphene oxide sheets by plasma polymerization. *Nanocomposites*, **2019**, 5, 74-83	3.4	1
246	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
245	Nitrogen-doped carbon-coated Fe3O4/rGO nanocomposite anode material for enhanced initial coulombic efficiency of lithium-ion batteries. *Ionics*, **2019**, 25, 1513-1521	2.7	7
244	Supramolecular self-assembly of compound β-nucleating agent and effect on polypropylene microporous membrane. *Polymer Crystallization*, **2019**, 2, e10080	0.9	2
243	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
242	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
241	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
240	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
239	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
238	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
237	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. *Journal of Materials Chemistry A*, **2019**, 7, 10446-10455	13	138
236	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
235	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
234	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
233	An enhancement on the dielectric performance of poly(vinylidene fluoride)-based composite with graphene oxide-BaTiO3 hybrid. *Nanocomposites*, **2019**, 5, 61-66	3.4	8
232	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

231	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
230	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
229	Effect of aspect ratio of multi-wall carbon nanotubes on the dispersion in ethylene-□octene block copolymer and the properties of the Nanocomposites. *Journal of Polymer Research*, **2019**, 26, 1	2.7	7
228	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
227	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
226	Novel method for fabrication of PP/HDPE/PP trilayer microporous membrane with a highly orientated structure. *Journal of Applied Polymer Science*, **2019**, 136, 47249	2.9	1
225	Effects of modified nano-silica on the microstructure of PVDF and its microporous membranes. *Journal of Polymer Research*, **2019**, 26, 1	2.7	8
224	Effect of external field on the lamellar crystalline structure and properties of poly(4-methyl-1-pentene) casting film. *Journal of Applied Polymer Science*, **2019**, 136, 47293	2.9	4
223	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
222	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
221	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
220	The effect of alkylated graphene oxide on the crystal structure of poly(4-methyl-1-pentene) during uniaxial deformation at high temperature. *Polymer Composites*, **2019**, 40, E493	3	0
219	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
218	Influence of annealing treatment on the structure and properties of poly(4-methyl-1-pentene)-based films and membranes. *Journal of Applied Polymer Science*, **2018**, 135, 46491	2.9	5
217	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
216	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
215	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
214	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

213	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
212	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
211	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
210	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
209	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
208	Correlation between phase separation and rheological behavior in bitumen/SBS/PE blends.. *RSC Advances*, **2018**, 8, 41713-41721	3.7	8
207	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
206	Tannic acid functionalized graphene hydrogel for organic dye adsorption. *Ecotoxicology and Environmental Safety*, **2018**, 165, 299-306	7	41
205	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
204	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
203	Progress in polyketone materials: blends and composites. *Polymer International*, **2018**, 67, 1478-1487	3.3	12
202	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
201	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	3.5	7
200	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
199	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
198	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
197	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
196	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

195	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. *Polymer*, **2017**, 110, 1-11	3.9	53
194	High Efficiency Conversion of Regenerated Cellulose Hydrogel Directly to Functionalized Cellulose Nanoparticles. *Macromolecular Rapid Communications*, **2017**, 38, 1700409	4.8	7
193	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
192	Self-assembled nano-leaf/vein bionic structure of TiO/MoS composites for photoelectric sensors. *Nanoscale*, **2017**, 9, 18194-18201	7.7	13
191	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
190	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
189	Self-assembled high-strength hydroxyapatite/graphene oxide/chitosan composite hydrogel for bone tissue engineering. *Carbohydrate Polymers*, **2017**, 155, 507-515	10.3	168
188	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
187	Hierarchical crystalline structures induced by temperature profile in HDPE bars during melt penetration process. *Chinese Journal of Polymer Science (English Edition)*, **2016**, 1	3.5	
186	The molecular weight dependence of the crystallization behavior of four-arm poly(L-lactide). *Colloid and Polymer Science*, **2016**, 294, 1865-1870	2.4	2
185	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
184	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
183	Effect of chain entanglement on the melt-crystallization behavior of poly(l-lactide) acid. *Journal of Polymer Research*, **2016**, 23, 1	2.7	14
182	New understanding for the formation of conductive network in the nanocomposites during the crystallization of matrix. *Journal of Polymer Research*, **2016**, 23, 1	2.7	0
181	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
180	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
179	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
178	Solvent-controlled formation of a reduced graphite oxide gel via hydrogen bonding. *RSC Advances*, **2016**, 6, 27267-27271	3.7	2

177	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
176	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	3.7	23
175	Morphological Evolution of Polystyrene/Poly□ethylene Blend Induced by Strong Second Melt Penetration. *Macromolecular Materials and Engineering*, **2016**, 301, 714-724	3.9	6
174	Description of second flow field via the deformation of polystyrene phase in high-density polyethylene matrix. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	1
173	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
172	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
171	Morphology evolution and the tri-continuous morphology formation of a PVDF/PS/HDPE ternary blend in melt mixing. *RSC Advances*, **2016**, 6, 38803-38810	3.7	10
170	Effect of the MWCNTs selective localization on the dielectric properties for PVDF/PS/HDPE ternary blends with in situ formed core□hell structure. *RSC Advances*, **2016**, 6, 58493-58500	3.7	11
169	Balanced strength and ductility improvement of in situ crosslinked polylactide/poly(ethylene terephthalate glycol) blends. *RSC Advances*, **2015**, 5, 34821-34830	3.7	14
168	Effect of the surface modification of ammonium polyphosphate on the structure and property of melamine□ormaldehyde resin microencapsulated ammonium polyphosphate and polypropylene flame retardant composites. *Polymer Bulletin*, **2015**, 72, 2725-2737	2.4	21
167	An unusual transition from point-like to fibrillar crystals in injection-molded polyethylene articles induced by lightly cross-linking and melt penetration. *RSC Advances*, **2015**, 5, 21640-21650	3.7	9
166	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
165	Suppressing phase coarsening in immiscible polymer blends using nano-silica particles located at the interface. *RSC Advances*, **2015**, 5, 74295-74303	3.7	21
164	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
163	Isothermal crystallization process of poly(4-methyl-1-pentene)/alkylated graphene oxide nanocomposites: thermal analysis and rheology study. *RSC Advances*, **2015**, 5, 82005-82011	3.7	2
162	Poly(4-methyl-1-pentene)/alkylated graphene oxide nanocomposites: the emergence of a new crystal structure. *RSC Advances*, **2015**, 5, 4238-4244	3.7	6
161	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
160	Hierarchical crystalline morphologies induced by a distinctly different melt penetrating process. *RSC Advances*, **2015**, 5, 98299-98308	3.7	5

159	Enhanced dielectric properties of polyamide 11/multi-walled carbon nanotubes composites. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	4
158	Tuning Crystalline Morphology of High-Density Polyethylene by Tailoring its Molecular Weight Distribution for Coupling with a Secondary Flow Field. *Macromolecular Materials and Engineering*, **2015**, 300, 901-910	3.9	9
157	Tailoring the impact behavior of polyamide 6 ternary blends via a hierarchical core–shell structure in situ formed in melt mixing. *RSC Advances*, **2015**, 5, 14592-14602	3.7	24
156	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
155	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
154	Toughening of PA6/EPDM-g-MAH/HDPE ternary blends via controlling EPDM-g-MAH grafting degree: the role of core–shell particle size and shell thickness. *Polymer Bulletin*, **2015**, 72, 177-193	2.4	29
153	Temperature induced gelation transition of a fumed silica/PEG shear thickening fluid. *RSC Advances* , **2015**, 5, 18367-18374	3.7	68
152	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
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