

# Ming-Bo Yang

## List of Publications by Citations

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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	Progress on the morphological control of conductive network in conductive polymer composites and the use as electroactive multifunctional materials. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 627-655	29.6	460
300	Review on auxetic materials. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 3269-3279	4.3	332
299	Hybrid graphene aerogels/phase change material composites: Thermal conductivity, shape-stabilization and light-to-thermal energy storage. <i>Carbon</i> , <b>2016</b> , 100, 693-702	10.4	263
298	Stereocomplex Crystallite Network in Asymmetric PLLA/PDLA Blends: Formation, Structure, and Confining Effect on the Crystallization Rate of Homocrystallites. <i>Macromolecules</i> , <b>2014</b> , 47, 1439-1448	5.5	212
297	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> , <b>2017</b> , 315, 481-490	14.7	168
296	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> , <b>2018</b> , 174, 56-64	6.4	168
295	Self-assembled high-strength hydroxyapatite/graphene oxide/chitosan composite hydrogel for bone tissue engineering. <i>Carbohydrate Polymers</i> , <b>2017</b> , 155, 507-515	10.3	168
294	Hierarchical graphene foam-based phase change materials with enhanced thermal conductivity and shape stability for efficient solar-to-thermal energy conversion and storage. <i>Nano Research</i> , <b>2017</b> , 10, 802-813	10	153
293	Enhanced comprehensive performance of polyethylene glycol based phase change material with hybrid graphene nanomaterials for thermal energy storage. <i>Carbon</i> , <b>2015</b> , 88, 196-205	10.4	147
292	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. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18841-18851	13	145
291	Polyethylene glycol based shape-stabilized phase change material for thermal energy storage with ultra-low content of graphene oxide. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 123, 171-177	6.4	145
290	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10446-10455	13	138
289	Stereocomplex formation of high-molecular-weight polylactide: A low temperature approach. <i>Polymer</i> , <b>2012</b> , 53, 5449-5454	3.9	131
288	Novel photodriven composite phase change materials with bioinspired modification of BN for solar-thermal energy conversion and storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9625-9634	13	126
287	Hybridizing graphene aerogel into three-dimensional graphene foam for high-performance composite phase change materials. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 88-95	19.4	123
286	High-performance composite phase change materials for energy conversion based on macroscopically three-dimensional structural materials. <i>Materials Horizons</i> , <b>2019</b> , 6, 250-273	14.4	116
285	Functionalized graphene oxide with ethylenediamine and 1,6-hexanediamine. <i>New Carbon Materials</i> , <b>2012</b> , 27, 370-376	4.4	110

284	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36589-36597	9.5	106
283	Smart TiCT MXene Fabric with Fast Humidity Response and Joule Heating for Healthcare and Medical Therapy Applications. <i>ACS Nano</i> , <b>2020</b> , 14, 8793-8805	16.7	106
282	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> , <b>2019</b> , 7, 15913-15927	13.1	97
281	Hierarchically interconnected porous scaffolds for phase change materials with improved thermal conductivity and efficient solar-to-electric energy conversion. <i>Nanoscale</i> , <b>2017</b> , 9, 17704-17709	7.7	97
280	Conductive thermoplastic vulcanizates (TPVs) based on polypropylene (PP)/ethylene-propylene-diene rubber (EPDM) blend: From strain sensor to highly stretchable conductor. <i>Composites Science and Technology</i> , <b>2016</b> , 128, 176-184	8.6	95
279	Enhanced Formation of Stereocomplex Crystallites of High Molecular Weight Poly(L-lactide)/Poly(D-lactide) Blends from Melt by Using Poly(ethylene glycol). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2301-2309	8.3	94
278	Self-Assembled Sponge-like Chitosan/Reduced Graphene Oxide/Montmorillonite Composite Hydrogels without Cross-Linking of Chitosan for Effective Cr(VI) Sorption. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1557-1566	8.3	85
277	Polymorphism of racemic poly(L-lactide)/poly(D-lactide) blend: effect of melt and cold crystallization. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 3667-74	3.4	83
276	All-weather-available, continuous steam generation based on the synergistic photo-thermal and electro-thermal conversion by MXene-based aerogels. <i>Materials Horizons</i> , <b>2020</b> , 7, 855-865	14.4	83
275	Self-assembled core-shell polydopamine@MXene with synergistic solar absorption capability for highly efficient solar-to-vapor generation. <i>Nano Research</i> , <b>2020</b> , 13, 255-264	10	82
274	A new approach to construct segregated structures in thermoplastic polyolefin elastomers towards improved conductive and mechanical properties. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5482-5490	13	77
273	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. <i>Energy Conversion and Management</i> , <b>2017</b> , 146, 253-264	10.6	74
272	Induced formation of dominating polar phases of poly(vinylidene fluoride): positive ion-CF <sub>2</sub> dipole or negative ion-CH <sub>2</sub> dipole interaction. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 9104-11	3.4	71
271	Multifunctional Thermal Management Materials with Excellent Heat Dissipation and Generation Capability for Future Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18739-18745	9.5	69
270	Temperature induced gelation transition of a fumed silica/PEG shear thickening fluid. <i>RSC Advances</i> , <b>2015</b> , 5, 18367-18374	3.7	68
269	Largely improved impact toughness of PA6/EPDM-g-MA/HDPE ternary blends: The role of core-shell particles formed in melt processing on preventing micro-crack propagation. <i>Polymer</i> , <b>2013</b> , 54, 1938-1947	3.9	67
268	Electrically insulating, layer structured SiR/GNPs/BN thermal management materials with enhanced thermal conductivity and breakdown voltage. <i>Composites Science and Technology</i> , <b>2018</b> , 167, 456-462	8.6	66
267	Hierarchical crystalline structure of HDPE molded by gas-assisted injection molding. <i>Polymer</i> , <b>2007</b> , 48, 5486-5492	3.9	64

266	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> , <b>2018</b> , 10, 2191-2198	7.7	63
265	Photodiven 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> , <b>2018</b> , 6, 6761-6770	8.3	62
264	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> , <b>2019</b> , 62, 620-627	17.1	61
263	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3190-3199	13	60
262	A comparison of melt and solution mixing on the dispersion of carbon nanotubes in a poly(vinylidene fluoride) matrix. <i>Composites Part B: Engineering</i> , <b>2012</b> , 43, 1425-1432	10	60
261	Human Skin-Inspired Electronic Sensor Skin with Electromagnetic Interference Shielding for the Sensation and Protection of Wearable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 40880-40889	9.5	59
260	Enhancing Thermomechanical Properties and Heat Distortion Resistance of Poly(l-lactide) with High Crystallinity under High Cooling Rate. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 654-661	8.3	58
259	Influence of multiwall carbon nanotubes on the morphology, melting, crystallization and mechanical properties of polyamide 6/acrylonitrile-Butadiene-Styrene blends. <i>Materials &amp; Design</i> , <b>2012</b> , 34, 355-362		56
258	A particular interfacial strategy in PVDF/OBC/MWCNT nanocomposites for high dielectric performance and electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 105, 118-125	8.4	56
257	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> , <b>2018</b> , 1, 160-167	8.7	56
256	Bacterial cellulose/MXene hybrid aerogels for photodiven shape-stabilized composite phase change materials. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 203, 110174	6.4	54
255	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. <i>Polymer</i> , <b>2017</b> , 110, 1-11	3.9	53
254	Low percolation threshold and balanced electrical and mechanical performances in polypropylene/carbon black composites with a continuous segregated structure. <i>Composites Part B: Engineering</i> , <b>2016</b> , 99, 348-357	10	51
253	Inorganic silica functionalized with PLLA chains via grafting methods to enhance the melt strength of PLLA/silica nanocomposites. <i>Polymer</i> , <b>2014</b> , 55, 5760-5772	3.9	51
252	Boosting piezoelectric response of PVDF-TrFE via MXene for self-powered linear pressure sensor. <i>Composites Science and Technology</i> , <b>2021</b> , 202, 108600	8.6	51
251	The enhanced nucleating ability of carbon nanotube-supported nucleating agent in isotactic polypropylene. <i>Colloid and Polymer Science</i> , <b>2010</b> , 288, 681-688	2.4	50
250	Highly sensitive and multifunctional piezoresistive sensor based on polyaniline foam for wearable Human-Activity monitoring. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 121, 510-516	8.4	49
249	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> , <b>2020</b> , 8, 2701-2711	13	49

248	Structuring tri-continuous structure multiphase composites with ultralow conductive percolation threshold and excellent electromagnetic shielding effectiveness using simple melt mixing. <i>Polymer</i> , <b>2016</b> , 83, 34-39	3.9	46
247	Deformation-induced morphology evolution during uniaxial stretching of isotactic polypropylene: effect of temperature. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 261-274	2.4	46
246	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> , <b>2018</b> , 53, 10543-10553	4.3	45
245	Cylindritic structures of high-density polyethylene molded by multi-melt multi-injection molding. <i>Polymer</i> , <b>2011</b> , 52, 3871-3878	3.9	45
244	Electro and Light-Active Actuators Based on Reversible Shape-Memory Polymer Composites with Segregated Conductive Networks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30332-30340	9.5	44
243	Deformation-induced structure evolution of oriented $\beta$ -polypropylene during uniaxial stretching. <i>Polymer</i> , <b>2013</b> , 54, 1259-1268	3.9	44
242	Tuning the structure of graphene oxide and the properties of poly(vinyl alcohol)/graphene oxide nanocomposites by ultrasonication. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3163	13	44
241	Crystalline morphology of $\beta$ -nucleated controlled-rheology polypropylene. <i>Polymer Testing</i> , <b>2008</b> , 27, 638-644	4.5	44
240	Constructing a special $\beta$ -sati $\beta$ -structure to finely dispersing MWCNT for enhanced electrical conductivity, ultra-high dielectric performance and toughness of iPP/OBC/MWCNT nanocomposites. <i>Composites Science and Technology</i> , <b>2017</b> , 139, 17-25	8.6	43
239	Multiple melting behaviour of annealed crystalline polymers. <i>Polymer Testing</i> , <b>2010</b> , 29, 273-280	4.5	43
238	Robust polymer-based paper-like thermal interface materials with a through-plane thermal conductivity over $9 \text{ W m}^{-1} \text{ K}^{-1}$ . <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 123784	14.7	42
237	A high-performance temperature sensitive TPV/CB elastomeric composite with balanced electrical and mechanical properties via PF-induced dynamic vulcanization. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16989-16996	13	39
236	Toughening of polyamide 6 with $\beta$ -nucleated thermoplastic vulcanizates based on polypropylene/ethylene-propylene-diene rubber grafted with maleic anhydride blends. <i>Materials &amp; Design</i> , <b>2012</b> , 33, 104-110		39
235	Crystallization behavior of poly (vinylidene fluoride)/multi-walled carbon nanotubes nanocomposites. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 1542-1550	4.3	39
234	Effect of the core-forming polymer on phase morphology and mechanical properties of PA6/EPDM-g-MA/HDPE ternary blends. <i>Polymer</i> , <b>2015</b> , 56, 395-405	3.9	38
233	High-performance porous polylactide stereocomplex crystallite scaffolds prepared by solution blending and salt leaching. <i>Materials Science and Engineering C</i> , <b>2018</b> , 90, 602-609	8.3	38
232	Morphologies of injection molded isotactic polypropylene/ultra high molecular weight polyethylene blends. <i>Materials &amp; Design</i> , <b>2012</b> , 35, 633-639		38
231	Effects of annealing on structure and deformation mechanism of isotactic polypropylene film with row-nucleated lamellar structure. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 1659-1666	2.9	38

230	Greatly accelerated crystallization of poly(lactic acid): cooperative effect of stereocomplex crystallites and polyethylene glycol. <i>Colloid and Polymer Science</i> , <b>2014</b> , 292, 163-172	2.4	38
229	Effect of temperature and strain rate on the tensile deformation of polyamide 6. <i>Polymer</i> , <b>2007</b> , 48, 2958-2968	3.3	38
228	Superior thermal interface materials for thermal management. <i>Composites Communications</i> , <b>2019</b> , 12, 80-85	6.7	38
227	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> , <b>2020</b> , 74, 104814	17.1	37
226	A Facile Route to Fabricate Highly Anisotropic Thermally Conductive Elastomeric POE/NG Composites for Thermal Management. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1700946	4.6	37
225	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> , <b>2020</b> , 396, 125206	14.7	36
224	Toughening of polypropylene with $\beta$ -nucleated thermoplastic vulcanizates based on polypropylene/ethylene-propylene-diene rubber blends. <i>Materials &amp; Design</i> , <b>2013</b> , 51, 536-543		36
223	Electrical properties and morphology of carbon black filled PP/EPDM blends: effect of selective distribution of fillers induced by dynamic vulcanization. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 4942-4954	4.3	36
222	Effects of Fe <sub>3</sub> O <sub>4</sub> loading on the cycling performance of Fe <sub>3</sub> O <sub>4</sub> /rGO composite anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 678, 80-86	5.7	36
221	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> , <b>2020</b> , 135, 105931	8.4	35
220	Multifunctional and highly sensitive piezoresistive sensing textile based on a hierarchical architecture. <i>Composites Science and Technology</i> , <b>2020</b> , 197, 108255	8.6	35
219	Flexible TPU strain sensors with tunable sensitivity and stretchability by coupling AgNWs with rGO. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 4040-4048	7.1	35
218	Suppression of phase coarsening in immiscible, co-continuous polymer blends under high temperature quiescent annealing. <i>Soft Matter</i> , <b>2014</b> , 10, 3587-96	3.6	35
217	High-melting-point crystals of poly(L-lactic acid) (PLLA): the most efficient nucleating agent to enhance the crystallization of PLLA. <i>CrystEngComm</i> , <b>2015</b> , 17, 2310-2320	3.3	35
216	Effect of temperature and time on the exfoliation and de-oxygenation of graphite oxide by thermal reduction. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 5097-5105	4.3	35
215	Study on the melt flow behavior of glass bead filled polypropylene. <i>Polymer Testing</i> , <b>2005</b> , 24, 490-497	4.5	35
214	An extremely uniform dispersion of MWCNTs in olefin block copolymers significantly enhances electrical and mechanical performances. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7160-7170	4.9	34
213	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 2471-2479	4.1	34



212	Morphology, rheology, crystallization behavior, and mechanical properties of poly(lactic acid)/poly(butylene succinate)/dicumyl peroxide reactive blends. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	33
211	Crystallization and reinforcement of poly (vinylidene fluoride) nanocomposites: Role of high molecular weight resin and carbon nanotubes. <i>Polymer Testing</i> , <b>2012</b> , 31, 117-126	4.5	33
210	Control of morphology and properties by the selective distribution of nano-silica particles with different surface characteristics in PA6/ABS blends. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 4620-4631	4.3	33
209	Melt viscoelasticity, electrical conductivity, and crystallization of PVDF/MWCNT composites: Effect of the dispersion of MWCNTs. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E49	2.9	33
208	Effect of long chain branching on nonisothermal crystallization behavior of polyethylenes synthesized with constrained geometry catalyst. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 21-34	2.3	32
207	Effect of nano-silica on the phase inversion behavior of immiscible PA6/ABS blends. <i>Polymer Testing</i> , <b>2013</b> , 32, 141-149	4.5	32
206	Effect of Melt and Mold Temperatures on the Solidification Behavior of HDPE during Gas-Assisted Injection Molding: An Enthalpy Transformation Approach. <i>Macromolecular Materials and Engineering</i> , <b>2009</b> , 294, 336-344	3.9	32
205	Dopamine-induced functionalization of cellulose nanocrystals with polyethylene glycol towards poly(-lactic acid) bionanocomposites for green packaging. <i>Carbohydrate Polymers</i> , <b>2019</b> , 203, 275-284	10.3	32
204	Effect of phase on the fracture behavior of dynamically vulcanized PP/EPDM blends studied by the essential work of fracture approach. <i>European Polymer Journal</i> , <b>2009</b> , 45, 1448-1453	5.2	31
203	Hierarchical unidirectional graphene aerogel/polyaniline composite for high performance supercapacitors. <i>Journal of Power Sources</i> , <b>2018</b> , 397, 189-195	8.9	30
202	A rheological study on temperature dependent microstructural changes of fumed silica gels in dodecane. <i>Soft Matter</i> , <b>2012</b> , 8, 10457	3.6	30
201	Recent advances in polymer-based thermal interface materials for thermal management: A mini-review. <i>Composites Communications</i> , <b>2020</b> , 22, 100528	6.7	30
200	Morphology, interfacial and mechanical properties of polylactide/poly(ethylene terephthalate glycol) blends compatibilized by polylactide-g-maleic anhydride. <i>Materials &amp; Design</i> , <b>2014</b> , 59, 524-531		29
199	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. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 177-193	2.4	29
198	Grafting polymerization of polylactic acid on the surface of nano-SiO <sub>2</sub> and properties of PLA/PLA-grafted-SiO <sub>2</sub> nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 3019-3027	2.9	29
197	Morphology of gas-assisted and conventional injection molded polycarbonate/polyethylene blend. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 3069-3077	2.9	28
196	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. <i>Carbon</i> , <b>2021</b> , 173, 1020-1040	10.4	28
195	Tuning PVDF/PS/HDPE polymer blends to tri-continuous morphology by grafted copolymers as the compatibilizers. <i>Polymer</i> , <b>2018</b> , 140, 188-197	3.9	27

194	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. <i>Composites Science and Technology</i> , <b>2017</b> , 152, 111-119	8.6	26
193	Nanofibrillar Poly(vinyl alcohol) Ionic Organohydrogels for Smart Contact Lens and Human-Interactive Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 23514-23522	9.5	26
192	Induced formation of polar phases in poly(vinylidene fluoride) by cetyl trimethyl ammonium bromide. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 4171-4179	4.3	26
191	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). <i>European Polymer Journal</i> , <b>2017</b> , 97, 272-281	5.2	25
190	Interfacial relaxation mechanisms in polymer nanocomposites through the rheological study on polymer-grafted nanoparticles. <i>Polymer</i> , <b>2016</b> , 90, 264-275	3.9	25
189	Polymorphism of a high-molecular-weight racemic poly(L-lactide)/poly(D-lactide) blend: effect of melt blending with poly(methyl methacrylate). <i>RSC Advances</i> , <b>2015</b> , 5, 19058-19066	3.7	25
188	Aggregate of nanoparticles: rheological and mechanical properties. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 114	5	25
187	High actuated performance MWCNT/Ecoflex dielectric elastomer actuators based on layer-by-layer structure. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 125, 105527	8.4	24
186	Dynamic Electrical and Rheological Percolation in Isotactic Poly(propylene)/Carbon Black Composites. <i>Macromolecular Materials and Engineering</i> , <b>2012</b> , 297, 51-59	3.9	24
185	Tailoring the impact behavior of polyamide 6 ternary blends via a hierarchical core-shell structure in situ formed in melt mixing. <i>RSC Advances</i> , <b>2015</b> , 5, 14592-14602	3.7	24
184	Effect of the carbon black structure on the stability and efficiency of the conductive network in polyethylene composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 3382-3389	2.9	24
183	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. <i>Materials Horizons</i> , <b>2020</b> , 7, 2450-2459	14.4	24
182	Recent progress on chemical modification of cellulose for high mechanical-performance Poly(lactic acid)/Cellulose composite: A review. <i>Composites Communications</i> , <b>2021</b> , 23, 100548	6.7	24
181	The effect of the grafted chains on the crystallization of PLLA/PLLA-grafted SiO <sub>2</sub> nanocomposites. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 801-813	2.4	23
180	Preparation of cellulose-graft-poly(lactic acid) via melt copolycondensation for use in poly(lactic acid) based composites: synthesis, characterization and properties. <i>RSC Advances</i> , <b>2016</b> , 6, 1973-1983	3.7	23
179	Oriented polypropylene cast films consisted of $\beta$ -transcrystals induced by the nucleating agent self-assembly and its homogeneous membranes with high porosity. <i>Polymer</i> , <b>2018</b> , 151, 136-144	3.9	23
178	Large scale formation of various highly oriented structures in polyethylene/polycarbonate microfibril blends subjected to secondary melt flow. <i>Polymer</i> , <b>2014</b> , 55, 6399-6408	3.9	23
177	Bismaleimide resin modified with diallyl bisphenol A and diallyl p-phenyl diamine for resin transfer molding. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 80, 2245-2250	2.9	23



176	Achieving improved electromagnetic interference shielding performance and balanced mechanical properties in polyketone nanocomposites via a composite MWCNTs carrier. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 136, 105967	8.4	23
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49	Boosting solar steam generation in dynamically tunable polymer porous architectures. <i>Polymer</i> , <b>2021</b> , 226, 123811	3.9	5
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46	Lightweight poly (vinylidene fluoride)/silver nanowires hybrid membrane with different conductive network structure for electromagnetic interference shielding. <i>Polymer Composites</i> , <b>2021</b> , 42, 522-531	3	5
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43	Interfacial Radiation-Absorbing Hydrogel Film for Efficient Thermal Utilization on Solar Evaporator Surfaces. <i>Nano Letters</i> , <b>2021</b> ,	11.5	5
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41	The massive formation of hybrid shish-kebab structures in HDPE/PA6 microfibril blend subjected to melt second flow. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45274	2.9	4
40	Diameter dependence of hybrid shish-kebab structure in polyethylene/carbon material fiber composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2019</b> , 57, 297-303	2.6	4
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33	Leakage-Proof and Malleable Polyethylene Wax Vitrimer Phase Change Materials for Thermal Interface Management. <i>ACS Applied Energy Materials</i> ,	6.1	4

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27	Synthesis of thermoplastic cellulose grafted polyurethane from regenerated cellulose. <i>Cellulose</i> , 2020, 27, 8667-8679	5.5	3
26	A Facile and Rapid Approach to Lotus-Seedpod-Structured Electronic Skin for Monitoring Diverse Physical Stimuli. <i>Advanced Materials Technologies</i> , 2021, 6, 2001084	6.8	3
25	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	6.1	3
24	Motion mode of poly(lactic acid) chains in film during strain-induced crystallization. <i>Journal of Applied Polymer Science</i> , 2016, 133, n/a-n/a	2.9	3
23	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	13	3
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17	Enhancing the conductivity of isotactic polypropylene/polyethylene/carbon black composites by oscillatory shear. <i>Colloid and Polymer Science</i> , 2013, 291, 3005-3011	2.4	2
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15	In-situ construction of high-modulus nanospheres on elastomer fibers for linearity-tunable strain sensing. <i>Chemical Engineering Journal</i> , 2021, 431, 133488	14.7	2

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11	Effect of Nucleating Fillers on the Structure and Properties of Polypropylene Blends. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 998-1005		1
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9	Influence of Diameter on the Templated Crystallization of Polyethylene/Carbon Material Fiber Composites under Intense Shear Flow. <i>ACS Omega</i> , <b>2019</b> , 4, 1060-1067	3.9	1
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7	Formation of nanosheets-assembled porous polymer microspheres via the combination effect of polymer crystallization and vapor-induced phase separation. <i>Polymer</i> , <b>2021</b> , 231, 124118	3.9	0
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2	Construction of Core-shell structure for improved thermal conductivity and mechanical properties of polyamide 6 composites. <i>Polymer Bulletin</i> , <b>2021</b> , 78, 2791-2803	2.4	
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