

Ming-Bo Yang

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302
papers

9,228
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83
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308
ext. papers

11,119
ext. citations

5.4
avg, IF

6.47
L-index

#	Paper	IF	Citations
302	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> , 2014 , 39, 627-655	29.6	460
301	Efficient electromagnetic interference shielding of lightweight graphene/polystyrene composite. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18772		423
300	Review on auxetic materials. <i>Journal of Materials Science</i> , 2004 , 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> , 2016 , 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> , 2014 , 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> , 2017 , 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> , 2018 , 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> , 2017 , 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> , 2017 , 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> , 2015 , 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> , 2016 , 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> , 2014 , 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> , 2019 , 7, 10446-10455	13	138
289	Flame retardancy of different-sized expandable graphite particles for high-density rigid polyurethane foams. <i>Polymer International</i> , 2006 , 55, 862-871	3.3	129
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> , 2016 , 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> , 2018 , 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> , 2019 , 6, 250-273	14.4	116

285	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36589-36597	9.5	106
284	Smart TiCT MXene Fabric with Fast Humidity Response and Joule Heating for Healthcare and Medical Therapy Applications. <i>ACS Nano</i> , 2020 , 14, 8793-8805	16.7	106
283	Transcrystalline Morphology of an in situ Microfibrillar Poly(ethylene terephthalate)/Poly(propylene) Blend Fabricated through a Slit Extrusion Hot Stretching-Quenching Process. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 553-558	4.8	102
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> , 2019 , 7, 15913-15923	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> , 2017 , 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> , 2016 , 128, 176-184	8.6	95
279	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	14.4	83
278	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	82
277	A new approach to construct segregated structures in thermoplastic polyolefin elastomers towards improved conductive and mechanical properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5482-5490	13	77
276	Expandable Graphite For Halogen-Free Flame-Retardant of High-Density Rigid Polyurethane Foams. <i>Polymer-Plastics Technology and Engineering</i> , 2005 , 44, 1323-1337		77
275	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> , 2017 , 146, 253-264	10.6	74
274	Multifunctional Thermal Management Materials with Excellent Heat Dissipation and Generation Capability for Future Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18739-18745	9.5	69
273	Temperature induced gelation transition of a fumed silica/PEG shear thickening fluid. <i>RSC Advances</i> , 2015 , 5, 18367-18374	3.7	68
272	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	8.6	66
271	Hierarchical crystalline structure of HDPE molded by gas-assisted injection molding. <i>Polymer</i> , 2007 , 48, 5486-5492	3.9	64
270	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	7.7	63
269	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	8.3	62
268	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	17.1	61

267	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3190-3199	13	60
266	Morphology and nonisothermal crystallization of in situ microfibrillar poly(ethylene terephthalate)/polypropylene blend fabricated through slit-extrusion, hot-stretch quenching. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 374-385	2.6	60
265	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	9.5	58
264	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> , 2015 , 3, 654-661	8.3	58
263	In-situ microfibrillar PET/iPP blend via slit die extrusion, hot stretching, and quenching: Influence of hot stretch ratio on morphology, crystallization, and crystal structure of iPP at a fixed PET concentration. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 4095-4106	2.6	57
262	Superhydrophobic polyurethane foam modified by graphene oxide. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3530-3536	2.9	56
261	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	8.7	56
260	Bacterial cellulose/MXene hybrid aerogels for photodriven shape-stabilized composite phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 203, 110174	6.4	54
259	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. <i>Polymer</i> , 2017 , 110, 1-11	3.9	53
258	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> , 2016 , 99, 348-357	10	51
257	Boosting piezoelectric response of PVDF-TrFE via MXene for self-powered linear pressure sensor. <i>Composites Science and Technology</i> , 2021 , 202, 108600	8.6	51
256	The enhanced nucleating ability of carbon nanotube-supported nucleating agent in isotactic polypropylene. <i>Colloid and Polymer Science</i> , 2010 , 288, 681-688	2.4	50
255	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	8.4	49
254	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	13	49
253	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	4.3	45
252	Cylindritic structures of high-density polyethylene molded by multi-melt multi-injection molding. <i>Polymer</i> , 2011 , 52, 3871-3878	3.9	45
251	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	9.5	44
250	Deformation-induced structure evolution of oriented polypropylene during uniaxial stretching. <i>Polymer</i> , 2013 , 54, 1259-1268	3.9	44

249	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> , 2013 , 1, 3163	13	44
248	Tannic acid functionalized graphene hydrogel for organic dye adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 165, 299-306	7	41
247	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> , 2014 , 2, 16989-16996	13	39
246	Crystallization behavior of poly (vinylidene fluoride)/multi-walled carbon nanotubes nanocomposites. <i>Journal of Materials Science</i> , 2011 , 46, 1542-1550	4.3	39
245	Morphology-tensile behavior relationship in injection molded poly(ethylene terephthalate)/polyethylene and polycarbonate/polyethylene blends (I) Part I Skin-core Structure. <i>Journal of Materials Science</i> , 2004 , 39, 413-431	4.3	39
244	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	8.3	38
243	Greatly accelerated crystallization of poly(lactic acid): cooperative effect of stereocomplex crystallites and polyethylene glycol. <i>Colloid and Polymer Science</i> , 2014 , 292, 163-172	2.4	38
242	Morphology and Tensile Strength Prediction of in situ Microfibrillar Poly(ethylene terephthalate)/Polyethylene Blends Fabricated via Slit-Die Extrusion-Hot Stretching-Quenching. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 349-354	3.9	38
241	Morphology and Rheological Behaviors of Polycarbonate/High Density Polyethylene in situ Microfibrillar Blends. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 1087-1095	3.9	38
240	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	17.1	37
239	A Facile Route to Fabricate Highly Anisotropic Thermally Conductive Elastomeric POE/NG Composites for Thermal Management. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1700946	4.6	37
238	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	14.7	36
237	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> , 2013 , 48, 4942-4951	4.3	36
236	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	8.4	35
235	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	7.1	35
234	Suppression of phase coarsening in immiscible, co-continuous polymer blends under high temperature quiescent annealing. <i>Soft Matter</i> , 2014 , 10, 3587-96	3.6	35
233	High-melting-point crystals of poly(L-lactic acid) (PLLA): the most efficient nucleating agent to enhance the crystallization of PLLA. <i>CrystEngComm</i> , 2015 , 17, 2310-2320	3.3	35
232	Effect of temperature and time on the exfoliation and de-oxygenation of graphite oxide by thermal reduction. <i>Journal of Materials Science</i> , 2012 , 47, 5097-5105	4.3	35

231	An extremely uniform dispersion of MWCNTs in olefin block copolymers significantly enhances electrical and mechanical performances. <i>Polymer Chemistry</i> , 2015 , 6, 7160-7170	4.9	34
230	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. <i>Energy & Fuels</i> , 2020 , 34, 2471-2479	4.1	34
229	Thermal properties and flame retardancy of polycarbonate/hydroxyapatite nanocomposite. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 659-663	2.9	34
228	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> , 2012 , 47, 4620-4631	4.3	33
227	Melt viscoelasticity, electrical conductivity, and crystallization of PVDF/MWCNT composites: Effect of the dispersion of MWCNTs. <i>Journal of Applied Polymer Science</i> , 2012 , 125, E49	2.9	33
226	Essential Work of Fracture Parameters of in-situ Microfibrillar Poly(ethylene terephthalate)/Polyethylene Blend: Influences of Blend Composition. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 426-433	3.9	33
225	Effect of core-shell morphology evolution on the rheology, crystallization, and mechanical properties of PA6/EPDM-g-MA/HDPE ternary blend. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 253-262	2.9	32
224	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> , 2009 , 294, 336-344	3.9	32
223	Anomalous attenuation of the positive temperature coefficient of resistivity in a carbon-black-filled polymer composite with electrically conductive in situ microfibrils. <i>Applied Physics Letters</i> , 2006 , 89, 032105	3.4	32
222	Dopamine-induced functionalization of cellulose nanocrystals with polyethylene glycol towards poly(-lactic acid) bionanocomposites for green packaging. <i>Carbohydrate Polymers</i> , 2019 , 203, 275-284	10.3	32
221	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	13	31
220	A rheological study on temperature dependent microstructural changes of fumed silica gels in dodecane. <i>Soft Matter</i> , 2012 , 8, 10457	3.6	30
219	Simulation of phase-change heat transfer during cooling stage of gas-assisted injection molding of high-density polyethylene via enthalpy transformation approach. <i>Polymer Engineering and Science</i> , 2009 , 49, 1234-1242	2.3	30
218	Formation of in situ CB/PET Microfibers in CB/PET/PE Composites by Slit Die Extrusion and Hot Stretching. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 568-575	3.9	30
217	Recent advances in polymer-based thermal interface materials for thermal management: A mini-review. <i>Composites Communications</i> , 2020 , 22, 100528	6.7	30
216	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> , 2015 , 72, 177-193	2.4	29
215	Rheological behavior comparison between PET/HDPE and PC/HDPE microfibrillar blends. <i>Polymer Engineering and Science</i> , 2005 , 45, 1231-1238	2.3	29
214	Morphology of gas-assisted and conventional injection molded polycarbonate/polyethylene blend. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 3069-3077	2.9	28

213	Morphology Dependent Double Yielding in Injection Molded Polycarbonate/Polyethylene Blend. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 1004-1011	3.9	28
212	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. <i>Carbon</i> , 2021 , 173, 1020-1040	10.4	28
211	Morphology prediction and the effect of core-shell structure on the rheological behavior of PP/EPDM/HDPE ternary blends. <i>Polymer Engineering and Science</i> , 2011 , 51, 2425-2433	2.3	27
210	Numerical prediction of phase-change heat conduction of injection-molded high density polyethylene thick-walled parts via the enthalpy transforming model with mushy zone. <i>Polymer Engineering and Science</i> , 2008 , 48, 1707-1717	2.3	27
209	The role of gas penetration on morphological formation of polycarbonate/polyethylene blend molded by gas-assisted injection molding. <i>Journal of Materials Science</i> , 2007 , 42, 7275-7285	4.3	27
208	Gas-assisted injection molded polypropylene: The skin-core structure. <i>Polymer Engineering and Science</i> , 2008 , 48, 976-986	2.3	27
207	Nanofibrillar Poly(vinyl alcohol) Ionic Organohydrogels for Smart Contact Lens and Human-Interactive Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23514-23522	9.5	26
206	Induced formation of polar phases in poly(vinylidene fluoride) by cetyl trimethyl ammonium bromide. <i>Journal of Materials Science</i> , 2014 , 49, 4171-4179	4.3	26
205	Effect of EPDM-g-MAH on the morphology and properties of PA6/EPDM/HDPE ternary blends. <i>Polymer Engineering and Science</i> , 2013 , 53, 1845-1855	2.3	26
204	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> , 2015 , 5, 19058-19066	3.7	25
203	Crystallization and morphology of iPP/MWCNT prepared by compounding iPP melt with MWCNT aqueous suspension. <i>Colloid and Polymer Science</i> , 2009 , 287, 615-620	2.4	25
202	Morphology-tensile behavior relationship in injection molded poly(ethylene terephthalate)/polyethylene and polycarbonate/polyethylene blends (II) Part II Tensile behavior. <i>Journal of Materials Science</i> , 2004 , 39, 433-443	4.3	25
201	Morphology and mechanical properties of poly (phenylene sulfide)/isotactic polypropylene in situ microfibrillar blends. <i>Polymer Engineering and Science</i> , 2005 , 45, 1303-1311	2.3	25
200	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> , 2015 , 5, 14592-14602	3.7	24
199	Rheological behavior of PET/HDPE in situ microfibrillar blends: Influence of microfibrils flexibility. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1205-1216	2.6	24
198	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. <i>Materials Horizons</i> , 2020 , 7, 2450-2459	14.4	24
197	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> , 2016 , 6, 1973-1983	3.7	23
196	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	3.9	23

195	Large scale formation of various highly oriented structures in polyethylene/polycarbonate microfibril blends subjected to secondary melt flow. <i>Polymer</i> , 2014 , 55, 6399-6408	3.9	23
194	Morphology and mechanical property of high-density polyethylene parts prepared by gas-assisted injection molding. <i>Colloid and Polymer Science</i> , 2011 , 289, 1661-1671	2.4	23
193	Morphology development of PC/PE blends during compounding in a twin-screw extruder. <i>Polymer Engineering and Science</i> , 2007 , 47, 14-25	2.3	23
192	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	8.3	21
191	Effect of the surface modification of ammonium polyphosphate on the structure and property of melamine-formaldehyde resin microencapsulated ammonium polyphosphate and polypropylene flame retardant composites. <i>Polymer Bulletin</i> , 2015 , 72, 2725-2737	2.4	21
190	Suppressing phase coarsening in immiscible polymer blends using nano-silica particles located at the interface. <i>RSC Advances</i> , 2015 , 5, 74295-74303	3.7	21
189	Dynamic Rheological Behavior of HDPE/UHMWPE Blends. <i>Journal of Macromolecular Science - Physics</i> , 2011 , 50, 1249-1259	1.4	21
188	Tailoring Crystalline Morphology by High-Efficiency Nucleating Fiber: Toward High-Performance Poly(l-lactide) Biocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20044-20054	9.5	21
187	Unusual hierarchical distribution of crystals and improved mechanical properties of injection-molded bars of isotactic polypropylene. <i>RSC Advances</i> , 2014 , 4, 25135-25147	3.7	20
186	Role of poly(lactic acid) in the phase transition of poly(vinylidene fluoride) under uniaxial stretching. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1686-1696	2.9	20
185	Pore formation mechanism of oriented polypropylene cast films during stretching and optimization of stretching methods: In-situ SAXS and WAXD studies. <i>Polymer</i> , 2019 , 163, 86-95	3.9	20
184	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	6.7	19
183	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	4.6	19
182	Formation of various crystalline structures in a polypropylene/polycarbonate in situ microfibrillar blend during the melt second flow. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14030-9	3.6	19
181	Effect of graphite oxide structure on the formation of stable self-assembled conductive reduced graphite oxide hydrogel. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3846	7.1	19
180	Essential work of fracture evaluation of fracture behavior of glass bead filled linear low-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1781-1787	2.9	19
179	Influences of hot stretch ratio on essential work of fracture of in-situ microfibrillar poly(ethylene terephthalate)/polyethylene blends. <i>Polymer Engineering and Science</i> , 2004 , 44, 2165-2173	2.3	19
178	The preparation, structures, and properties of poly(vinylidene fluoride)/multiwall carbon nanotubes nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012 , 125, E592	2.9	18

177	Role of gas delay time on the hierarchical crystalline structure and mechanical property of HDPE molded by gas-assisted injection molding. <i>Colloid and Polymer Science</i> , 2012 , 290, 1133-1144	2.4	18
176	Supercooling-dependent morphology evolution of an organic nucleating agent in poly(L-lactide)/poly(D-lactide) blends. <i>CrystEngComm</i> , 2017 , 19, 1648-1657	3.3	17
175	Crystallization behavior and molecular orientation of high density polyethylene parts prepared by gas-assisted injection molding. <i>Polymer International</i> , 2012 , 61, 622-630	3.3	17
174	Investigation on Tensile Deformation Behavior of Semi-Crystalline Polymers. <i>Journal of Macromolecular Science - Physics</i> , 2009 , 48, 799-811	1.4	17
173	Studies on polyamide-6/polyolefin blend system compatibilized with epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 398-403	2.9	17
172	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	7.1	17
171	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	15.6	17
170	Synergistic effect of stereocomplex crystals and shear flow on the crystallization rate of poly(L-lactic acid): A rheological study. <i>RSC Advances</i> , 2014 , 4, 2733-2742	3.7	16
169	Enantiomeric poly(D-lactide) with a higher melting point served as a significant nucleating agent for poly(L-lactide). <i>CrystEngComm</i> , 2015 , 17, 4334-4342	3.3	16
168	Characterization of PP/EPDM/HDPE Ternary Blends: The Role of Two EPDM with Different Viscosity and Processing Method. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 983-990		16
167	Effect of annealing on fracture behavior of poly(propylene-block-ethylene) using essential work of fracture analysis. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 3438-3446	2.9	16
166	Suppressing phase retraction and coalescence of co-continuous polymer blends: effect of nanoparticles and particle network. <i>RSC Advances</i> , 2014 , 4, 49429-49441	3.7	15
165	Effects of annealing on the hierarchical crystalline structures and mechanical properties of injection-molded bars of high-density polyethylene. <i>Polymer International</i> , 2014 , 63, 296-306	3.3	15
164	MWCNTs Supported N,N'-Dicyclohexyl-1,5-diamino-2,6-naphthalenedicarboxamide: A Novel Nucleating Agent for Polypropylene. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 2412-2427	1.4	15
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