Wei Yang

List of Publications by Year in Descending Order

251 papers	6,100 citations	39 h-index	66 g-index
260 ext. papers	7,545 ext. citations	5.8 avg, IF	6.2 L-index

#	Paper	IF	Citations
251	A unimorph nanocomposite dielectric elastomer for large out-of-plane actuation.. *Science Advances*, **2022**, 8, eabm6200	14.3	9
250	A Wave-Driven Piezoelectric Solar Evaporator for Water Purification (Adv. Energy Mater. 21/2022). *Advanced Energy Materials*, **2022**, 12, 2270087	21.8	
249	Polymer Composites for Thermal Energy Storage **2021**, 29-61		
248	Recent Advances in Multiresponsive Flexible Sensors towards E-skin: A Delicate Design for Versatile Sensing. *Small*, **2021**, e2103734	11	10
247	Mechanistically Scoping Cell-free and Cell-dependent Artificial Scaffolds in Rebuilding Skeletal and Dental Hard Tissues. *Advanced Materials*, **2021**, e2107922	24	1
246	Polysulfide Catalytic Materials for Fast-Kinetic Metal-Sulfur Batteries: Principles and Active Centers. *Advanced Science*, **2021**, 9, e2102217	13.6	7
245	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
244	Dominant Contribution of a Lake's Internal Pollution to Eutrophication During Rapid Urbanization. *Bulletin of Environmental Contamination and Toxicology*, **2021**, 107, 904-910	2.7	3
243	Vitrimers of polyolefin elastomer with physically cross-linked network. *Journal of Polymer Research*, **2021**, 28, 1	2.7	1
242	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
241	Metal-Organic-Framework-Derived Nanostructures as Multifaceted Electrodes in Metal-Sulfur Batteries. *Advanced Materials*, **2021**, 33, e2008784	24	21
240	Ruthenium Nanoparticles Confined in Covalent Organic Framework/Reduced Graphene Oxide As Electrocatalyst toward Hydrogen Evolution Reaction in Alkaline Media. *Industrial & Engineering Chemistry Research*, **2021**, 60, 11070-11078	3.9	3
239	Construction of □ore□hell□tructure for improved thermal conductivity and mechanical properties of polyamide 6 composites. *Polymer Bulletin*, **2021**, 78, 2791-2803	2.4	
238	Green supercapacitor assisted photocatalytic fuel cell system for sustainable hydrogen production. *Chemical Engineering Journal*, **2021**, 403, 126368	14.7	11
237	Minimizing mass transfer losses in microbial fuel cells: Theories, progresses and prospectives. *Renewable and Sustainable Energy Reviews*, **2021**, 136, 110460	16.2	6
236	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
235	Templating synthesis of hierarchically meso/macroporous N-doped microalgae derived biocarbon as oxygen reduction reaction catalyst for microbial fuel cells. *International Journal of Hydrogen Energy*, **2021**, 46, 2530-2542	6.7	6

234	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
233	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
232	Redox-Mediated Artificial Non-Enzymatic Antioxidant MXene Nanoplatforms for Acute Kidney Injury Alleviation. *Advanced Science*, **2021**, 8, e2101498	13.6	14
231	An experimental investigation on the performance of TEGs with a compact heat exchanger design towards low-grade thermal energy recovery. *Applied Thermal Engineering*, **2021**, 194, 117119	5.8	5
230	Nitrogen removal enhanced by benthic bioturbation coupled with biofilm formation: A new strategy to alleviate freshwater eutrophication. *Journal of Environmental Management*, **2021**, 292, 112814	7.9	3
229	A machine-learning based phase change model for simulation of bubble condensation. *International Journal of Heat and Mass Transfer*, **2021**, 178, 121620	4.9	3
228	Mechanochemical preparation of thermoplastic cellulose oleate by ball milling. *Green Chemistry*, **2021**, 23, 2069-2078	10	6
227	Interfacial Radiation-Absorbing Hydrogel Film for Efficient Thermal Utilization on Solar Evaporator Surfaces. *Nano Letters*, **2021**,	11.5	5
226	Scalable Flexible Phase Change Materials with a Swollen Polymer Network Structure for Thermal Energy Storage. *ACS Applied Materials & Interfaces*, **2021**,	9.5	3
225	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	
224	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
223	Co-degradation of ammonia nitrogen and 4-chlorophenol in a photoelectrochemical system by a tandem reaction of chlorine and hydroxyl radicals. *Chemical Engineering Science*, **2020**, 226, 115813	4.4	2
222	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
221	Modulation of Cation Diffusion by Reversible Supramolecular Assemblies in Ionic Liquid-Based Nanocomposites. *ACS Applied Materials & Interfaces*, **2020**, 12, 31842-31851	9.5	2
220	Recent progress in electrode fabrication for electrocatalytic hydrogen evolution reaction: A mini review. *Chemical Engineering Journal*, **2020**, 393, 124726	14.7	62
219	Biomass-Derived Carbon for Electrode Fabrication in Microbial Fuel Cells: A Review. *Industrial & Engineering Chemistry Research*, **2020**, 59, 6391-6404	3.9	27
218	Covalent organic polymers derived carbon incorporated with cobalt oxides as a robust oxygen reduction reaction catalyst for fuel cells. *Chemical Engineering Journal*, **2020**, 390, 124581	14.7	7
217	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. *Energy & Fuels*, **2020**, 34, 2471-2479	4.1	34

216	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
215	Membrane-less Direct Formate Fuel Cell Using an Fe-N-Doped Bamboo Internode as the Binder-Free and Monolithic Air-Breathing Cathode. *ACS Applied Materials & Interfaces*, **2020**, 12, 27095-27103	9.5	5
214	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
213	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
212	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
211	Decoupling the Polymer Dynamics and the Nanoparticle Network Dynamics of Polymer Nanocomposites through Dielectric Spectroscopy and Rheology. *Macromolecules*, **2020**, 53, 302-311	5.5	24
210	Photo-Driven Self-Healing of Arbitrary Nondestructive Damage in Polyethylene-Based Nanocomposites. *ACS Applied Materials & Interfaces*, **2020**, 12, 1650-1657	9.5	7
209	Fe□N-doped carbon nanoparticles from coal tar soot and its novel application as a high performance air-cathode catalyst for microbial fuel cells. *Electrochimica Acta*, **2020**, 363, 137177	6.7	7
208	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. *Materials Horizons*, **2020**, 7, 2450-2459	14.4	24
207	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
206	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
205	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
204	Synthesis of thermoplastic cellulose grafted polyurethane from regenerated cellulose. *Cellulose*, **2020**, 27, 8667-8679	5.5	3
203	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
202	Effect of Cross-Linking Degree of EPDM Phase on the Morphology Evolution and Crystallization Behavior of Thermoplastic Vulcanizates Based on Polyamide 6 (PA6)/Ethylene-Propylene-Diene Rubber (EPDM) Blends. *Polymers*, **2019**, 11,	4.5	4
201	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
200	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. *ACS Applied Materials & Interfaces*, **2019**, 11, 36589-36597	9.5	106
199	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

198	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
197	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
196	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
195	Cobalt oxides nanoparticles supported on nitrogen-doped carbon nanotubes as high-efficiency cathode catalysts for microbial fuel cells. *Inorganic Chemistry Communication*, **2019**, 105, 69-75	3.1	22
194	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. *Journal of Materials Chemistry A*, **2019**, 7, 10446-10455	13	138
193	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
192	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
191	Performance optimization of microbial fuel cells using carbonaceous monolithic air-cathodes. *International Journal of Hydrogen Energy*, **2019**, 44, 3425-3431	6.7	8
190	Hierarchically Porous Hydroxyapatite Hybrid Scaffold Incorporated with Reduced Graphene Oxide for Rapid Bone Ingrowth and Repair. *ACS Nano*, **2019**, 13, 9595-9606	16.7	93
189	Facile Synthesis of Fe/N/S-Doped Carbon Tubes as High-Performance Cathode and Anode for Microbial Fuel Cells. *ChemCatChem*, **2019**, 11, 6070-6077	5.2	6
188	Improved performance of microbial fuel cells using a gradient porous air cathode: An experiment and simulation study. *Bioelectrochemistry*, **2019**, 130, 107335	5.6	3
187	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
186	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
185	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
184	Potential field□based hierarchical adaptive cruise control for semi-autonomous electric vehicle. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, **2019**, 233, 2479-2491	1.4	12
183	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
182	Air Cathode Catalysts of Microbial Fuel Cell by Nitrogen-Doped Carbon Aerogels. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 3917-3924	8.3	26
181	Graphene oxide-supported zinc cobalt oxides as effective cathode catalysts for microbial fuel cell: High catalytic activity and inhibition of biofilm formation. *Nano Energy*, **2019**, 57, 811-819	17.1	71

180	Effects of modified nano-silica on the microstructure of PVDF and its microporous membranes. *Journal of Polymer Research*, **2019**, 26, 1	2.7	8
179	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
178	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
177	Poison tolerance of non-precious catalyst towards oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2018**, 43, 8474-8479	6.7	15
176	High efficiency electrochemical reduction of CO2 beyond the two-electron transfer pathway on grain boundary rich ultra-small SnO2 nanoparticles. *Journal of Materials Chemistry A*, **2018**, 6, 10313-10319	12	66
175	Electricity from Microbial Fuel Cells. *Green Energy and Technology*, **2018**, 391-433	0.6	1
174	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
173	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. *Advanced Materials Interfaces*, **2018**, 5, 1700895	4.6	22
172	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
171	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
170	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
169	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
168	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
167	Nanoscale Morphology, Interfacial Hydrogen Bonding, Confined Crystallization and Greatly Improved Toughness of Polyamide 12/Polyketone Blends. *Nanomaterials*, **2018**, 8,	5.4	10
166	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
165	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	8.5	59
164	Tannic acid functionalized graphene hydrogel for organic dye adsorption. *Ecotoxicology and Environmental Safety*, **2018**, 165, 299-306	7	41
163	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

162	Progress in polyketone materials: blends and composites. *Polymer International*, **2018**, 67, 1478-1487	3.3	12
161	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
160	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
159	Reversible Formation of g-C3N4 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties. *Advanced Functional Materials*, **2017**, 27, 1700653	15.6	59
158	Hydrogels: Reversible Formation of g-C3N4 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties (Adv. Funct. Mater. 22/2017). *Advanced Functional Materials*, **2017**, 27,	15.6	1
157	A simple method for preparing a binder-free paper-based air cathode for microbial fuel cells. *Bioresource Technology*, **2017**, 241, 325-331	11	30
156	A monolithic air cathode derived from bamboo for microbial fuel cells. *RSC Advances*, **2017**, 7, 28469-28475	3.7	14
155	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
154	Bamboo charcoal as a cost-effective catalyst for an air-cathode of microbial fuel cells. *Electrochimica Acta*, **2017**, 224, 585-592	6.7	73
153	High Efficiency Conversion of Regenerated Cellulose Hydrogel Directly to Functionalized Cellulose Nanoparticles. *Macromolecular Rapid Communications*, **2017**, 38, 1700409	4.8	7
152	2D TiS2 Layers: A Superior Nonlinear Optical Limiting Material. *Advanced Optical Materials*, **2017**, 5, 1700113	8.1	49
151	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
150	A green, cheap, high-performance carbonaceous catalyst derived from Chlorella pyrenoidosa for oxygen reduction reaction in microbial fuel cells. *International Journal of Hydrogen Energy*, **2017**, 42, 27657-27665	6.7	28
149	Metallic 1T-TiS2 nanodots anchored on a 2D graphitic C3N4 nanosheet nanostructure with high electron transfer capability for enhanced photocatalytic performance. *RSC Advances*, **2017**, 7, 55269-55275	3.7	7
148	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. *Science Advances*, **2017**, 3, e1701500	14.3	70
147	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
146	Self-assembled high-strength hydroxyapatite/graphene oxide/chitosan composite hydrogel for bone tissue engineering. *Carbohydrate Polymers*, **2017**, 155, 507-515	10.3	168
145	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

144	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	
143	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
142	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
141	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
140	Effect of chain entanglement on the melt-crystallization behavior of poly(l-lactide) acid. *Journal of Polymer Research*, **2016**, 23, 1	2.7	14
139	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
138	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
137	Solvent-controlled formation of a reduced graphite oxide gel via hydrogen bonding. *RSC Advances*, **2016**, 6, 27267-27271	3.7	2
136	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
135	Distinct positive temperature coefficient effect of polymer-carbon fiber composites evaluated in terms of polymer absorption on fiber surface. *Physical Chemistry Chemical Physics*, **2016**, 18, 8081-7	3.6	16
134	A hybrid microbial fuel cell stack based on single and double chamber microbial fuel cells for self-sustaining pH control. *Journal of Power Sources*, **2016**, 306, 685-691	8.9	38
133	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
132	Morphological Evolution of Polystyrene/Poly□ethylene Blend Induced by Strong Second Melt Penetration. *Macromolecular Materials and Engineering*, **2016**, 301, 714-724	3.9	6
131	Motion mode of poly(lactic acid) chains in film during strain-induced crystallization. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	3
130	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
129	Phase morphology control and the selective localization of MWCNT for suppressing dielectric loss and enhancing the dielectric constant of HDPE/PA11/MWCNT composites. *RSC Advances*, **2016**, 6, 73056-73062	3.7	5
128	A highly-deformable piezoresistive film composed of a network of carbon blacks and highly oriented lamellae of high-density polyethylene. *RSC Advances*, **2015**, 5, 31074-31080	3.7	12
127	Balanced strength and ductility improvement of in situ crosslinked polylactide/poly(ethylene terephthalate glycol) blends. *RSC Advances*, **2015**, 5, 34821-34830	3.7	14

126	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
125	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
124	Suppressing phase coarsening in immiscible polymer blends using nano-silica particles located at the interface. *RSC Advances*, **2015**, 5, 74295-74303	3.7	21
123	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
122	New insights into the elasticity and multi-level relaxation of filler network with studies on the rheology of isotactic polypropylene/carbon black nanocomposite. *RSC Advances*, **2015**, 5, 65874-65883	3.7	5
121	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
120	Effective dissolution of UHMWPE in HDPE improved by high temperature melting and subsequent shear. *Polymer Engineering and Science*, **2015**, 55, 270-276	2.3	18
119	Hierarchical crystalline morphologies induced by a distinctly different melt penetrating process. *RSC Advances*, **2015**, 5, 98299-98308	3.7	5
118	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
117	Temperature induced gelation transition of a fumed silica/PEG shear thickening fluid. *RSC Advances* , **2015**, 5, 18367-18374	3.7	68
116	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
115	Polymorphism of a high-molecular-weight racemic poly(L-lactide)/poly(D-lactide) blend: effect of melt blending with poly(methyl methacrylate). *RSC Advances*, **2015**, 5, 19058-19066	3.7	25
114	A new approach to construct segregated structures in thermoplastic polyolefin elastomers towards improved conductive and mechanical properties. *Journal of Materials Chemistry A*, **2015**, 3, 5482-5490	13	77
113	Formation and evolution of the carbon black network in polyethylene/carbon black composites: Rheology and conductivity properties. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	15
112	Induced formation of polar phases in poly(vinylidene fluoride) by cetyl trimethyl ammonium bromide. *Journal of Materials Science*, **2014**, 49, 4171-4179	4.3	26
111	Stereocomplex Crystallite Network in Asymmetric PLLA/PDLA Blends: Formation, Structure, and Confining Effect on the Crystallization Rate of Homocrystallites. *Macromolecules*, **2014**, 47, 1439-1448	5.5	212
110	Synergistic effect of stereocomplex crystals and shear flow on the crystallization rate of poly(L-lactic acid): A rheological study. *RSC Advances*, **2014**, 4, 2733-2742	3.7	16
109	Suppressing phase retraction and coalescence of co-continuous polymer blends: effect of nanoparticles and particle network. *RSC Advances*, **2014**, 4, 49429-49441	3.7	15

108	Effect of graphene oxides on thermal degradation and crystallization behavior of poly(L-lactide). *RSC Advances*, **2014**, 4, 3443-3456	3.7	19
107	A high-performance temperature sensitive TPV/CB elastomeric composite with balanced electrical and mechanical properties via PF-induced dynamic vulcanization. *Journal of Materials Chemistry A*, **2014**, 2, 16989-16996	13	39
106	Hierarchically oriented crystalline structures of HDPE induced by strong second melt penetration. *RSC Advances*, **2014**, 4, 31960	3.7	11
105	Nanoparticle retarded shape relaxation of dispersed droplets in polymer blends: an understanding from the viewpoint of molecular movement. *RSC Advances*, **2014**, 4, 41059-41068	3.7	13
104	Effect of graphite oxide structure on the formation of stable self-assembled conductive reduced graphite oxide hydrogel. *Journal of Materials Chemistry C*, **2014**, 2, 3846	7.1	19
103	Largely enhanced molecular orientation and mechanical property of injection-molded high-density polyethylene parts via the synergistic effect of polyamide 6 in situ microfibrillar and intense shear flow. *Colloid and Polymer Science*, **2014**, 292, 3033-3044	2.4	5
102	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. *Journal of Materials Chemistry A*, **2014**, 2, 3190-3199	13	60
101	Preparation and characterization of isotactic polypropylene/high-density polyethylene/carbon black conductive films with strain-sensing behavior. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	2
100	Effect of Viscosity Ratio on the Crystalline Morphologies and Mechanical Property of Multi-Melt Multi-Injection Molded Parts. *Polymer-Plastics Technology and Engineering*, **2014**, 53, 1272-1282		9
99	Crystallization kinetics of β-phase poly(vinylidene fluoride)(PVDF) induecd by tetrabutylammonium bisulfate. *Journal of Polymer Research*, **2014**, 21, 1	2.7	5
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