

Zhong-Ming Li

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352
papers

13,272
citations

59
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100
g-index

365
ext. papers

15,921
ext. citations

6
avg, IF

6.87
L-index

#	Paper	IF	Citations
352	Structured Reduced Graphene Oxide/Polymer Composites for Ultra-Efficient Electromagnetic Interference Shielding. <i>Advanced Functional Materials</i> , 2015 , 25, 559-566	15.6	802
351	Conductive polymer composites with segregated structures. <i>Progress in Polymer Science</i> , 2014 , 39, 1908-1933	19.83	470
350	Efficient electromagnetic interference shielding of lightweight graphene/polystyrene composite. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18772		423
349	Review on auxetic materials. <i>Journal of Materials Science</i> , 2004 , 39, 3269-3279	4.3	332
348	Isothermal Crystallization of Poly(L-lactide) Induced by Graphene Nanosheets and Carbon Nanotubes: A Comparative Study. <i>Macromolecules</i> , 2010 , 43, 5000-5008	5.5	283
347	High barrier graphene oxide nanosheet/poly(vinyl alcohol) nanocomposite films. <i>Journal of Membrane Science</i> , 2012 , 409-410, 156-163	9.6	238
346	On transcrystallinity in semi-crystalline polymer composites. <i>Composites Science and Technology</i> , 2005 , 65, 999-1021	8.6	221
345	Cellulose composite aerogel for highly efficient electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4983-4991	13	200
344	Electrically conductive and electromagnetic interference shielding of polyethylene composites with devisable carbon nanotube networks. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9369-9378	7.1	189
343	Highly Efficient and Reliable Transparent Electromagnetic Interference Shielding Film. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11941-11949	9.5	189
342	Unusual Tuning of Mechanical Properties of Isotactic Polypropylene Using Counteraction of Shear Flow and β -Nucleating Agent on β -Form Nucleation. <i>Macromolecules</i> , 2009 , 42, 4343-4348	5.5	183
341	Simultaneously improved electromagnetic interference shielding and mechanical performance of segregated carbon nanotube/polypropylene composite via solid phase molding. <i>Composites Science and Technology</i> , 2018 , 156, 87-94	8.6	158
340	Graphene Nanosheets and Shear Flow Induced Crystallization in Isotactic Polypropylene Nanocomposites. <i>Macromolecules</i> , 2011 , 44, 2808-2818	5.5	143
339	Improved barrier properties of poly(lactic acid) with randomly dispersed graphene oxide nanosheets. <i>Journal of Membrane Science</i> , 2014 , 464, 110-118	9.6	141
338	Effects of expandable graphite and ammonium polyphosphate on the flame-retardant and mechanical properties of rigid polyurethane foams. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 853-863	2.9	133
337	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
336	Stretchable and durable conductive fabric for ultrahigh performance electromagnetic interference shielding. <i>Carbon</i> , 2019 , 144, 101-108	10.4	129

335	Low-dimensional carbonaceous nanofiller induced polymer crystallization. <i>Progress in Polymer Science</i> , 2014 , 39, 555-593	29.6	124
334	CNTs/ UHMWPE composites with a two-dimensional conductive network. <i>Materials Letters</i> , 2008 , 62, 3530-3532	3.3	120
333	Competitive Growth of β - and α -Crystals in β -Nucleated Isotactic Polypropylene under Shear Flow. <i>Macromolecules</i> , 2010 , 43, 6760-6771	5.5	119
332	Unprecedented access to strong and ductile poly(lactic acid) by introducing In Situ Nanofibrillar Poly(butylene succinate) for green packaging. <i>Biomacromolecules</i> , 2014 , 15, 4054-64	6.9	116
331	Formation of Interlinked Shish-Kebabs in Injection-Molded Polyethylene under the Coexistence of Lightly Cross-Linked Chain Network and Oscillation Shear Flow. <i>Macromolecules</i> , 2012 , 45, 6600-6610	5.5	113
330	Dependence of flame-retardant properties on density of expandable graphite filled rigid polyurethane foam. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 3347-3355	2.9	113
329	High Strain Tolerant EMI Shielding Using Carbon Nanotube Network Stabilized Rubber Composite. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700078	6.8	112
328	A high heat-resistance bioplastic foam with efficient electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2017 , 323, 29-36	14.7	110
327	Formation of shish-kebabs in injection-molded poly(L-lactic acid) by application of an intense flow field. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6774-84	9.5	110
326	Synergetic enhancement of thermal conductivity by constructing hybrid conductive network in the segregated polymer composites. <i>Composites Science and Technology</i> , 2018 , 162, 7-13	8.6	105
325	Electromagnetic interference shielding of segregated polymer composite with an ultralow loading of in situ thermally reduced graphene oxide. <i>Nanotechnology</i> , 2014 , 25, 145705	3.4	104
324	Suppression of Skin-Core Structure in Injection-Molded Polymer Parts by in Situ Incorporation of a Microfibrillar Network. <i>Macromolecules</i> , 2006 , 39, 6771-6775	5.5	103
323	Super-tough conducting carbon nanotube/ultrahigh-molecular-weight polyethylene composites with segregated and double-percolated structure. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23568		102
322	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
321	Composites of Ultrahigh-Molecular-Weight Polyethylene with Graphene Sheets and/or MWCNTs with Segregated Network Structure: Preparation and Properties. <i>Macromolecular Materials and Engineering</i> , 2012 , 297, 437-443	3.9	100
320	Lightweight and Robust Carbon Nanotube/Polyimide Foam for Efficient and Heat-Resistant Electromagnetic Interference Shielding and Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8704-8712	9.5	99
319	Formation of a Segregated Electrically Conductive Network Structure in a Low-Melt-Viscosity Polymer for Highly Efficient Electromagnetic Interference Shielding. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4137-4145	8.3	97
318	Tunable electromagnetic interference shielding effectiveness via multilayer assembly of regenerated cellulose as a supporting substrate and carbon nanotubes/polymer as a functional layer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3130-3138	7.1	92

317	Robustly Superhydrophobic Conductive Textile for Efficient Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1680-1688	9.5	90
316	Asymmetric conductive polymer composite foam for absorption dominated ultra-efficient electromagnetic interference shielding with extremely low reflection characteristics. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9146-9159	13	89
315	Negative Temperature Coefficient of Resistivity in Lightweight Conductive Carbon Nanotube/Polymer Composites. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 91-95	3.9	86
314	A strong and tough polymer/carbon nanotube film for flexible and efficient electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8944-8951	7.1	83
313	Multilayer WPU conductive composites with controllable electro-magnetic gradient for absorption-dominated electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 129, 105692	8.4	81
312	Shear flow and carbon nanotubes synergistically induced nonisothermal crystallization of poly(lactic acid) and its application in injection molding. <i>Biomacromolecules</i> , 2012 , 13, 3858-67	6.9	80
311	Highly Enhanced Crystallization Kinetics of Poly(L-lactic acid) by Poly(ethylene glycol) Grafted Graphene Oxide Simultaneously as Heterogeneous Nucleation Agent and Chain Mobility Promoter. <i>Macromolecules</i> , 2015 , 48, 4891-4900	5.5	79
310	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
309	Highly Sensitive and Stretchable Polyurethane Fiber Strain Sensors with Embedded Silver Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23649-23658	9.5	75
308	Strong Shear Flow-Driven Simultaneous Formation of Classic Shish-Kebab, Hybrid Shish-Kebab, and Transcrystallinity in Poly(lactic acid)/Natural Fiber Biocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1619-1629	8.3	73
307	Ultralight Cellulose Porous Composites with Manipulated Porous Structure and Carbon Nanotube Distribution for Promising Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40156-40167	9.5	73
306	Double-segregated carbon nanotube/polymer conductive composites as candidates for liquid sensing materials. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4177	13	70
305	Highly thermal conductive, anisotropically heat-transferred, mechanically flexible composite film by assembly of boron nitride nanosheets for thermal management. <i>Composites Part B: Engineering</i> , 2020 , 180, 107569	10	69
304	Super-Robust Polylactide Barrier Films by Building Densely Oriented Lamellae Incorporated with Ductile in Situ Nanofibrils of Poly(butylene adipate-co-terephthalate). <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8096-109	9.5	68
303	Highly Conductive and Machine-Washable Textiles for Efficient Electromagnetic Interference Shielding. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800503	6.8	67
302	Constructing highly oriented segregated structure towards high-strength carbon nanotube/ultrahigh-molecular-weight polyethylene composites for electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 110, 237-245	8.4	66
301	Poly(L-lactide) crystallization induced by multiwall carbon nanotubes at very low loading. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 2341-2352	2.6	65
300	Crystalline morphology of isotactic polypropylene (iPP) in injection molded poly(ethylene terephthalate) (PET)/iPP microfibrillar blends. <i>Polymer</i> , 2007 , 48, 1729-1740	3.9	65

299	Ultra-low gas permeability and efficient reinforcement of cellulose nanocomposite films by well-aligned graphene oxide nanosheets. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15853-15863	13	64
298	Tensile properties of poly(ethylene terephthalate) and polyethylene in-situ microfiber reinforced composite formed via slit die extrusion and hot-stretching. <i>Materials Letters</i> , 2002 , 56, 756-762	3.3	64
297	Electrical conductivity and major mechanical and thermal properties of carbon nanotube-filled polyurethane foams. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 3014-3019	2.9	63
296	Highly Stretchable and Sensitive Strain Sensor with Porous Segregated Conductive Network. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37094-37102	9.5	62
295	Tunable positive temperature coefficient of resistivity in an electrically conducting polymer/graphene composite. <i>Applied Physics Letters</i> , 2010 , 96, 251907	3.4	60
294	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
293	Synergistic effect of ammonium polyphosphate and expandable graphite on flame-retardant properties of acrylonitrile-butadiene-styrene. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 1337-1343	2.9	58
292	Improved properties of highly oriented graphene/polymer nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 3167-3174	2.9	57
291	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
290	Structural basis for unique hierarchical cylindrites induced by ultrahigh shear gradient in single natural fiber reinforced poly(lactic acid) green composites. <i>Biomacromolecules</i> , 2014 , 15, 1676-86	6.9	54
289	Water-based conductive ink for highly efficient electromagnetic interference shielding coating. <i>Chemical Engineering Journal</i> , 2020 , 384, 123368	14.7	54
288	High-Pressure Compression-Molded Porous Resorbable Polymer/Hydroxyapatite Composite Scaffold for Cranial Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1471-1482	5.5	54
287	Highly conductive and stretchable carbon nanotube/thermoplastic polyurethane composite for wearable heater. <i>Composites Science and Technology</i> , 2019 , 181, 107695	8.6	53
286	Mechanical properties and biocompatibility of melt processed, self-reinforced ultrahigh molecular weight polyethylene. <i>Biomaterials</i> , 2014 , 35, 6687-97	15.6	53
285	Simultaneous Reinforcement and Toughening of Carbon Nanotube/Cellulose Conductive Nanocomposite Films by Interfacial Hydrogen Bonding. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 317-324	8.3	53
284	Enhanced Heat Deflection Resistance via Shear Flow-Induced Stereocomplex Crystallization of Polylactide Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1692-1703	8.3	52
283	Robust carbon nanotube foam for efficient electromagnetic interference shielding and microwave absorption. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 113-119	9.3	52
282	Strong and tough micro/nanostructured poly(lactic acid) by mimicking the multifunctional hierarchy of shell. <i>Materials Horizons</i> , 2014 , 1, 546-552	14.4	51

281	Synergistic Effect of Graphite and Carbon Nanotubes on Improved Electromagnetic Interference Shielding Performance in Segregated Composites. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 11929-11938	3.9	50
280	Easy alignment and effective nucleation activity of ramie fibers in injection-molded poly(lactic acid) biocomposites. <i>Biopolymers</i> , 2012 , 97, 825-39	2.2	50
279	Flame retardancy of hollow glass microsphere/rigid polyurethane foams in the presence of expandable graphite. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1935-1943	2.9	50
278	Highly thermally conductive liquid metal-based composites with superior thermostability for thermal management. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2904-2911	7.1	50
277	Injection molding-induced morphology of thermoplastic polymer blends. <i>Polymer Engineering and Science</i> , 2005 , 45, 1655-1665	2.3	49
276	Nacre-like composite films with high thermal conductivity, flexibility, and solvent stability for thermal management applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9018-9024	7.1	48
275	From Nanofibrillar to Nanolaminar Poly(butylene succinate): Paving the Way to Robust Barrier and Mechanical Properties for Full-Biodegradable Poly(lactic acid) Films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8023-32	9.5	48
274	Structuring Hierarchically Porous Architecture in Biomass-Derived Carbon Aerogels for Simultaneously Achieving High Electromagnetic Interference Shielding Effectiveness and High Absorption Coefficient. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18840-18849	9.5	48
273	Largely enhanced mechanical property of segregated carbon nanotube/poly(vinylidene fluoride) composites with high electromagnetic interference shielding performance. <i>Composites Science and Technology</i> , 2018 , 167, 260-267	8.6	48
272	Interfacial Shish-Kebabs Lengthened by Coupling Effect of In Situ Flexible Nanofibrils and Intense Shear Flow: Achieving Hierarchy To Conquer the Conflicts between Strength and Toughness of Polylactide. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10148-10159	9.5	47
271	A Unique Double Percolated Polymer Composite for Highly Efficient Electromagnetic Interference Shielding. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 1232-1241	3.9	47
270	Dominant Form of Poly(L-lactic acid) Obtained Directly from Melt under Shear and Pressure Fields. <i>Macromolecules</i> , 2016 , 49, 3826-3837	5.5	47
269	Enhanced Thermal Conductivity of Segregated Poly(vinylidene fluoride) Composites via Forming Hybrid Conductive Network of Boron Nitride and Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10391-10397	3.9	47
268	Structuring dense three-dimensional sheet-like skeleton networks in biomass-derived carbon aerogels for efficient electromagnetic interference shielding. <i>Carbon</i> , 2019 , 152, 316-324	10.4	46
267	Self-healing and flexible carbon nanotube/polyurethane composite for efficient electromagnetic interference shielding. <i>Composites Part B: Engineering</i> , 2020 , 193, 108015	10	46
266	Flame-retardant and mechanical properties of high-density rigid polyurethane foams filled with decabrominated diphenyl ethane and expandable graphite. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 2372-2380	2.9	45
265	Wearable Polyethylene/Polyamide Composite Fabric for Passive Human Body Cooling. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41637-41644	9.5	45
264	Facile, green and affordable strategy for structuring natural graphite/polymer composite with efficient electromagnetic interference shielding. <i>RSC Advances</i> , 2015 , 5, 22587-22592	3.7	42

263	Role of Stably Entangled Chain Network Density in Shish-Kebab Formation in Polyethylene under an Intense Flow Field. <i>Macromolecules</i> , 2015 , 48, 6652-6661	5.5	42
262	Enhanced thermal conductivity of polyethylene/boron nitride multilayer sheets through annealing. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 107, 135-143	8.4	42
261	A highly efficient and heat-resistant electromagnetic interference shielding carbon nanotube/poly(phenylene sulfide) composite via sinter molding. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10760-10766	7.1	41
260	Self-assembled reduced graphene oxide/nickel nanofibers with hierarchical core-shell structure for enhanced electromagnetic wave absorption. <i>Carbon</i> , 2020 , 167, 530-540	10.4	40
259	Expandable graphite-methyl methacrylate-acrylic acid copolymer composite particles as a flame retardant of rigid polyurethane foam. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 932-941	2.9	40
258	Shear-Induced Precursor Relaxation-Dependent Growth Dynamics and Lamellar Orientation of β Crystals in β Nucleated Isotactic Polypropylene. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 5716-27	3.4	39
257	Isothermal and nonisothermal crystallization of isotactic polypropylene/graphene oxide nanosheet nanocomposites. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	39
256	Non-isothermal crystallization of poly(L-lactide) (PLLA) under quiescent and steady shear conditions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010 , 28, 357-366	3.5	39
255	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
254	Engineering Porous Poly(lactic acid) Scaffolds with High Mechanical Performance via a Solid State Extrusion/Porogen Leaching Approach. <i>Polymers</i> , 2016 , 8,	4.5	39
253	Superior and highly absorbed electromagnetic interference shielding performance achieved by designing the reflection-absorption-integrated shielding compartment with conductive wall and lossy core. <i>Chemical Engineering Journal</i> , 2020 , 393, 124644	14.7	38
252	Integrated strength and toughness in graphene/calcium alginate films for highly efficient electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9166-9174	7.1	38
251	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
250	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
249	Ultrahigh gas barrier poly (vinyl alcohol) nanocomposite film filled with congregated and oriented Fe ₃ O ₄ @GO sheets induced by magnetic-field. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 97, 1-9	8.4	37
248	Understanding Nonlinear Dielectric Properties in a Biaxially Oriented Poly(vinylidene fluoride) Film at Both Low and High Electric Fields. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 455-65	9.5	37
247	Simultaneous improvement of strength and toughness in fiber reinforced isotactic polypropylene composites by shear flow and a β nucleating agent. <i>RSC Advances</i> , 2014 , 4, 14766-14776	3.7	37
246	Injection molding of segregated carbon nanotube/polypropylene composite with enhanced electromagnetic interference shielding and mechanical performance. <i>Composites Science and Technology</i> , 2020 , 197, 108253	8.6	36

245	Crystallization of oriented isotactic polypropylene (iPP) in the presence of in situ poly(ethylene terephthalate) (PET) microfibrils. <i>Polymer</i> , 2008 , 49, 4271-4278	3.9	36
244	Ultralight carbon nanotube/graphene/polyimide foam with heterogeneous interfaces for efficient electromagnetic interference shielding and electromagnetic wave absorption. <i>Carbon</i> , 2021 , 176, 118-125	10.4	36
243	Injection Molded Segregated Carbon Nanotube/Polypropylene Composite for Efficient Electromagnetic Interference Shielding. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12378-12385	3.9	36
242	Characterization and performance of dodecyl amine functionalized graphene oxide and dodecyl amine functionalized graphene/high-density polyethylene nanocomposites: A comparative study. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	35
241	Highly Anisotropic, Thermally Conductive, and Mechanically Strong Polymer Composites with Nacre-like Structure for Thermal Management Applications. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3312-3320	5.6	35
240	Extensional Stress-Induced Orientation and Crystallization can Regulate the Balance of Toughness and Stiffness of Polylactide Films: Interplay of Oriented Amorphous Chains and Crystallites. <i>Macromolecules</i> , 2019 , 52, 5278-5288	5.5	33
239	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
238	Stretchable Liquid Metal-Based Conductive Textile for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 53230-53238	9.5	33
237	Window of Pressure and Flow To Produce Crystals in Isotactic Polypropylene Mixed with Nucleating Agent. <i>Macromolecules</i> , 2017 , 50, 4807-4816	5.5	32
236	Polyamide-6/Poly(lactic acid) Blends Compatibilized by the Maleic Anhydride Grafted Polyethylene-Octene Elastomer. <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 1241-1246		32
235	Morphology and Properties of Poly(L-Lactide) (PLLA) Filled with Hollow Glass Beads. <i>Macromolecular Materials and Engineering</i> , 2007 , 292, 646-654	3.9	32
234	Flame retardancy of whisker silicon oxide/rigid polyurethane foam composites with expandable graphite. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3871-3879	2.9	32
233	Flow and Pressure Jointly Induced Ultrahigh Melting Temperature Spherulites with Oriented Thick Lamellae in Isotactic Polypropylene. <i>Macromolecules</i> , 2015 , 48, 5834-5844	5.5	31
232	Improved performance balance of polyethylene by simultaneously forming oriented crystals and blending ultrahigh-molecular-weight polyethylene. <i>RSC Advances</i> , 2014 , 4, 1512-1520	3.7	31
231	Novel passive cooling composite textile for both outdoor and indoor personal thermal management. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 130, 105738	8.4	31
230	Low-temperature carbonized carbon nanotube/cellulose aerogel for efficient microwave absorption. <i>Composites Part B: Engineering</i> , 2021 , 220, 108985	10	31
229	Self-reinforced polyethylene blend for artificial joint application. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 971-980	7.3	30
228	Phase assembly-induced transition of three dimensional nanofibril- to sheet-networks in porous cellulose with tunable properties. <i>Cellulose</i> , 2014 , 21, 383-394	5.5	30

227	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
226	In Situ Nanofibrillar Networks Composed of Densely Oriented Polylactide Crystals as Efficient Reinforcement and Promising Barrier Wall for Fully Biodegradable Poly(butylene succinate) Composite Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2887-2897	8.3	30
225	Molecular weight-modulated electrospun poly(ϵ -caprolactone) membranes for postoperative adhesion prevention. <i>RSC Advances</i> , 2014 , 4, 41696-41704	3.7	29
224	Core-shell structure design of pulverized expandable graphite particles and their application in flame-retardant rigid polyurethane foams. <i>Polymer International</i> , 2014 , 63, 72-83	3.3	29
223	Rheological behavior comparison between PET/HDPE and PC/HDPE microfibrillar blends. <i>Polymer Engineering and Science</i> , 2005 , 45, 1231-1238	2.3	29
222	Achieving excellent thermally conductive and electromagnetic shielding performance by nondestructive functionalization and oriented arrangement of carbon nanotubes in composite films. <i>Composites Science and Technology</i> , 2020 , 194, 108190	8.6	28
221	Morphology Dependent Double Yielding in Injection Molded Polycarbonate/Polyethylene Blend. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 1004-1011	3.9	28
220	Highly crystallized poly (lactic acid) under high pressure. <i>AIP Advances</i> , 2012 , 2, 042159	1.5	27
219	Positive temperature coefficient and time-dependent resistivity of carbon nanotubes (CNTs)/ultrahigh molecular weight polyethylene (UHMWPE) composite. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1002-1010	2.9	27
218	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
217	Enhanced piezoelectricity from highly polarizable oriented amorphous fractions in biaxially oriented poly(vinylidene fluoride) with pure β crystals. <i>Nature Communications</i> , 2021 , 12, 675	17.4	27
216	Melt processing and structural manipulation of highly linear disentangled ultrahigh molecular weight polyethylene. <i>Chemical Engineering Journal</i> , 2017 , 315, 132-141	14.7	26
215	Biodegradable poly(lactic acid)/hydroxyl apatite 3D porous scaffolds using high-pressure molding and salt leaching. <i>Journal of Materials Science</i> , 2014 , 49, 1648-1658	4.3	26
214	Tailor-made poly(L-lactide)/poly(lactide-co-glycolide)/hydroxyapatite composite scaffolds prepared via high-pressure compression molding/salt leaching. <i>RSC Advances</i> , 2016 , 6, 47418-47426	3.7	26
213	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
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