

Ling Xu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

2,884
citations

23
h-index

53
g-index

73
ext. papers

3,559
ext. citations

6.6
avg, IF

5.39
L-index

#	Paper	IF	Citations
70	Structured Reduced Graphene Oxide/Polymer Composites for Ultra-Efficient Electromagnetic Interference Shielding. <i>Advanced Functional Materials</i> , 2015 , 25, 559-566	15.6	802
69	Conductive polymer composites with segregated structures. <i>Progress in Polymer Science</i> , 2014 , 39, 1908-1933	19.83	470
68	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
67	Stretchable and durable conductive fabric for ultrahigh performance electromagnetic interference shielding. <i>Carbon</i> , 2019 , 144, 101-108	10.4	129
66	Enhanced mechanical and thermal properties of rigid polyurethane foam composites containing graphene nanosheets and carbon nanotubes. <i>Polymer International</i> , 2012 , 61, 1107-1114	3.3	103
65	Robustly Superhydrophobic Conductive Textile for Efficient Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1680-1688	9.5	90
64	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
63	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
62	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
61	Highly Stretchable and Sensitive Strain Sensor with Porous Segregated Conductive Network. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37094-37102	9.5	62
60	Tuning the superstructure of ultrahigh-molecular-weight polyethylene/low-molecular-weight polyethylene blend for artificial joint application. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1521-9	9.5	56
59	Highly conductive and stretchable carbon nanotube/thermoplastic polyurethane composite for wearable heater. <i>Composites Science and Technology</i> , 2019 , 181, 107695	8.6	53
58	Mechanical properties and biocompatibility of melt processed, self-reinforced ultrahigh molecular weight polyethylene. <i>Biomaterials</i> , 2014 , 35, 6687-97	15.6	53
57	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
56	Wearable Polyethylene/Polyamide Composite Fabric for Passive Human Body Cooling. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41637-41644	9.5	45
55	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
54	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

53	Stretchable Liquid Metal-Based Conductive Textile for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 53230-53238	9.5	33
52	Nanotopography on titanium promotes osteogenesis via autophagy-mediated signaling between YAP and Ecatenin. <i>Acta Biomaterialia</i> , 2019 , 96, 674-685	10.8	32
51	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
50	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
49	Efficient electromagnetic interference shielding of lightweight carbon nanotube/polyethylene composites compression molding plus salt-leaching.. <i>RSC Advances</i> , 2018 , 8, 8849-8855	3.7	24
48	Preparation and properties of carbon black/polymer composites with segregated and double-percolated network structures. <i>Journal of Materials Science</i> , 2013 , 48, 4892-4898	4.3	23
47	Enhanced Mechanical Performance of Segregated Carbon Nanotube/Poly(lactic acid) Composite for Efficient Electromagnetic Interference Shielding. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4454-4461	3.9	23
46	Inducing Stereocomplex Crystals by Template Effect of Residual Stereocomplex Crystals during Thermal Annealing of Injection-Molded Polylactide. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10896-10905	3.9	20
45	Hydrophobic Graphene Oxide as a Promising Barrier of Water Vapor for Regenerated Cellulose Nanocomposite Films. <i>ACS Omega</i> , 2019 , 4, 509-517	3.9	19
44	Gradient Structure of Crystalline Morphology in Injection-Molded Polylactide Parts Tuned by Oscillation Shear Flow and Its Influence on Thermomechanical Performance. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6295-6306	3.9	18
43	The Role of Melt Memory and Template Effect in Complete Stereocomplex Crystallization and Phase Morphology of Polylactides. <i>Crystal Growth and Design</i> , 2018 , 18, 1613-1621	3.5	17
42	A nacre-mimetic superstructure of poly(butylene succinate) structured by using an intense shear flow and ramie fiber as a promising strategy for simultaneous reinforcement and toughening. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22697-22707	13	14
41	Highly Thermally Conductive Graphene-Based Thermal Interface Materials with a Bilayer Structure for Central Processing Unit Cooling. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25325-25333	9.5	14
40	Ultra-high mechanical properties of porous composites based on regenerated cellulose and cross-linked poly(ethylene glycol). <i>Carbohydrate Polymers</i> , 2018 , 179, 244-251	10.3	13
39	Tunable liquid sensing performance of conducting carbon nanotube/polyethylene composites with a porous segregated structure. <i>RSC Advances</i> , 2013 , 3, 19802	3.7	13
38	Facile Construction of a Superhydrophobic Surface on a Textile with Excellent Electrical Conductivity and Stretchability. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7546-7553	3.9	11
37	Non-isothermal crystallization kinetics of alkyl-functionalized graphene oxide/high-density polyethylene nanocomposites. <i>Composite Interfaces</i> , 2014 , 21, 203-215	2.3	11
36	Robust cellulose nanocomposite films based on covalently cross-linked network with effective resistance to water permeability. <i>Carbohydrate Polymers</i> , 2019 , 211, 237-248	10.3	10

35	Robust hydrogel of regenerated cellulose by chemical crosslinking coupled with polyacrylamide network. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47811	2.9	10
34	Influence of surface polarity of carbon nanotubes on electric field induced aligned conductive network formation in a polymer melt. <i>RSC Advances</i> , 2013 , 3, 24185	3.7	10
33	Crystallization behavior and morphology of one-step reaction compatibilized microfibrillar reinforced isotactic polypropylene/poly(ethylene terephthalate) (iPP/PET) blends. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 540-551	3.5	10
32	Multifunctional Membrane for Thermal Management Applications. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19301-19311	9.5	10
31	Promoting osteoblast proliferation on polymer bone substitutes with bone-like structure by combining hydroxyapatite and bioactive glass. <i>Materials Science and Engineering C</i> , 2019 , 96, 1-9	8.3	10
30	Ultrathin, flexible and sandwich-structured PHBV/silver nanowire films for high-efficiency electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3307-3315	7.1	10
29	Nanotopographical polymeric surface with mussel-inspired decoration to enhance osteoblast differentiation. <i>Applied Surface Science</i> , 2019 , 481, 987-993	6.7	9
28	Highly Efficient Three-Dimensional Gas Barrier Network for Biodegradable Nanocomposite Films at Extremely Low Loading Levels of Graphene Oxide Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 5818-5827	3.9	9
27	Temperature dependence of molecular conformation in uniaxially deformed isotactic polypropylene investigated by combination of polarized FTIR spectroscopy and 2D correlation analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 673-684	2.6	9
26	Enhanced toughness and strength of conductive cellulose-poly(butylene succinate) films filled with multiwalled carbon nanotubes. <i>Cellulose</i> , 2014 , 21, 1803-1812	5.5	8
25	Effects of dodecyl amine functionalized graphene oxide on the crystallization behavior of isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	7
24	Humidity sensitive cellulose composite aerogels with enhanced mechanical performance. <i>Cellulose</i> , 2020 , 27, 6287-6297	5.5	7
23	Rapid preparation and continuous processing of polylactide stereocomplex crystallite below its melting point. <i>Polymer Bulletin</i> , 2019 , 76, 3371-3385	2.4	7
22	Carbonized cotton textile with hierarchical structure for superhydrophobicity and efficient electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 149, 106555	8.4	7
21	Influences of interfacial adhesion on gas barrier property of functionalized graphene oxide/ultra-high-molecular-weight polyethylene composites with segregated structure. <i>Composite Interfaces</i> , 2017 , 24, 729-741	2.3	6
20	Structure and Properties of All-Cellulose Composites Prepared by Controlling the Dissolution Temperature of a NaOH/Urea Solvent. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10428-10435	3.9	6
19	Simultaneously improving stiffness, toughness, and heat deflection resistance of polylactide using the strategy of orientation crystallization amplified by interfacial interactions. <i>Polymer Crystallization</i> , 2018 , 1, e10004	0.9	6
18	Surface Epitaxial Crystallization-Directed Nanotopography for Accelerating Preosteoblast Proliferation and Osteogenic Differentiation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42956-42963	9.5	6

17	Poly lactide porous biocomposites with high heat resistance by utilizing cellulose template-directed construction. <i>Cellulose</i> , 2020 , 27, 3805-3819	5.5	5
16	Confined crystallization of poly(butylene succinate) intercalated into organoclays: role of surfactant polarity. <i>RSC Advances</i> , 2016 , 6, 68072-68080	3.7	5
15	Superhydrophobic, Self-Cleaning, and Robust Properties of Oriented Poly lactide Imparted by Surface Structuring. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6296-6304	8.3	5
14	Green Production of Covalently Functionalized Boron Nitride Nanosheets via Saccharide-Assisted Mechanochemical Exfoliation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11155-11162	8.3	5
13	Interconnected Microdomain Structure of a Cross-Linked Cellulose Nanocomposite Revealed by Micro-Raman Imaging and Its Influence on Water Permeability of a Film. <i>Biomacromolecules</i> , 2019 , 20, 2754-2762	6.9	4
12	Short implants versus longer implants in the posterior alveolar region after an observation period of at least five years: A systematic review and meta-analysis. <i>Journal of Dentistry</i> , 2020 , 100, 103386	4.8	4
11	Flow-Induced Precursor Formation of Poly(l-lactic acid) under Pressure. <i>ACS Omega</i> , 2018 , 3, 15471-15481	3.9	4
10	Constructing robust chain entanglement network, well-defined nanosized crystals and highly aligned graphene oxide nanosheets: Towards strong, ductile and high barrier Poly(lactic acid) nanocomposite films for green packaging. <i>Composites Part B: Engineering</i> , 2021 , 222, 109048	10	4
9	Robust, transparent films of propylene-ethylene copolymer through isotropic-orientation transition at low temperature accelerated by adjustment of ethylene contents. <i>Polymer</i> , 2020 , 187, 122099	3.9	3
8	Robust propylene-ethylene copolymer/polypropylene films: Extensional stress-induced orientation realized at low temperature processing. <i>Polymer</i> , 2020 , 206, 122848	3.9	3
7	Evolution of Polymorphic Structure in Nucleated Isotactic Polypropylene under a Certain Pressure: Effects of Temperature and Flow. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 5677-5685	3.9	2
6	Coupling Effect of Mechanical and Thermal Rejuvenation for Polystyrene: Toward High Performance of Stiffness, Ductility, and Transparency. <i>Macromolecules</i> , 2021 , 54, 8875-8885	5.5	2
5	Polyaniline-decorated carbon fibers for enhanced mechanical and electromagnetic interference shielding performances of epoxy composites. <i>Materials and Design</i> , 2022 , 217, 110658	8.1	2
4	Unique Banded Cylindrites of Polyoxymethylene/Poly(butylene succinate) Blends Induced by Interfacial Shear. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2741-2750	4.3	1
3	Role of pressure in flow-induced shish-kabab in binary blend of long- and short-chain Polyethylenes. <i>Polymer Crystallization</i> , 2019 , 2, e10059	0.9	1
2	Enhanced melt-recrystallization process of propylene-ethylene copolymer during the uniaxial stretching with the aid of isotactic polypropylene. <i>Polymer</i> , 2022 , 239, 124443	3.9	0
1	Quantitative Investigation on Structural Evolution of Co-continuous Phase under Shear Flow. <i>Chinese Journal of Polymer Science (English Edition)</i> , 1	3.5	0