

Yan Yang

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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.

64
papers

2,425
citations

25
h-index

48
g-index

66
ext. papers

2,815
ext. citations

5.4
avg, IF

5.07
L-index

#	Paper	IF	Citations
64	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
63	New Understanding in Tuning Toughness of Polypropylene: The Role of Nucleated Crystalline Morphology. <i>Macromolecules</i> , 2009 , 42, 9325-9331	5.5	241
62	Control of Crystal Morphology in Poly(L-lactide) by Adding Nucleating Agent. <i>Macromolecules</i> , 2011 , 44, 1233-1237	5.5	171
61	The resistivity-strain behavior of conductive polymer composites: stability and sensitivity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17085-17098	13	132
60	Fabrication of a transparent superamphiphobic coating with improved stability. <i>Soft Matter</i> , 2011 , 7, 6435	3.6	119
59	The optimization of thermoelectric properties in a PEDOT:PSS thin film through post-treatment. <i>RSC Advances</i> , 2015 , 5, 1910-1917	3.7	73
58	Towards tunable resistivity-strain behavior through construction of oriented and selectively distributed conductive networks in conductive polymer composites. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10048-10058	13	67
57	Preparation of high performance conductive polymer fibres from double percolated structure. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6401		65
56	Dependence of mechanical properties on Form content and crystalline morphology for Nucleated isotactic polypropylene. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2044-2054	3.2	64
55	Fabrication of Highly Stretchable, Washable, Wearable, Water-Repellent Strain Sensors with Multi-Stimuli Sensing Ability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31655-31663	9.5	61
54	Significant Enhancement of Thermal Conductivity in Polymer Composite via Constructing Macroscopic Segregated Filler Networks. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29071-29081	9.5	55
53	The preparation and properties of polystyrene/functionalized graphene nanocomposite foams using supercritical carbon dioxide. <i>Polymer International</i> , 2013 , 62, 1077-1084	3.3	55
52	Modified resistivity-strain behavior through the incorporation of metallic particles in conductive polymer composite fibers containing carbon nanotubes. <i>Polymer International</i> , 2013 , 62, 134-140	3.3	54
51	A promising alternative to conventional polyethylene with poly(propylene carbonate) reinforced by graphene oxide nanosheets. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17627		51
50	A Novel Concept for Highly Oriented Carbon Nanotube Composite Tapes or Fibres with High Strength and Electrical Conductivity. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 749-755	3.9	51
49	Recent progress on PEDOT:PSS based polymer blends and composites for flexible electronics and thermoelectric devices. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3130-3152	7.8	48
48	Towards high-performance poly(L-lactide)/elastomer blends with tunable interfacial adhesion and matrix crystallization via constructing stereocomplex crystallites at the interface. <i>RSC Advances</i> , 2014 , 4, 49374-49385	3.7	43

47	Effect of annealing on the microstructure and mechanical properties of polypropylene with oriented shish-kebab structure. <i>Polymer International</i> , 2012 , 61, 252-258	3.3	39
46	Combined effect of nucleating agent and multi-walled carbon nanotubes on polymorphic composition and morphology of isotactic polypropylene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 107, 733-743	4.1	38
45	Improved thermal stability and mechanical properties of poly(propylene carbonate) by reactive blending with maleic anhydride. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 3565-3573	2.9	35
44	Stretchable and Healable Conductive Elastomer Based on PEDOT:PSS/Natural Rubber for Self-Powered Temperature and Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14599-14611	9.5	31
43	Enhanced thermoelectric properties of PEDOT:PSS films via a novel two-step treatment. <i>RSC Advances</i> , 2015 , 5, 105592-105599	3.7	29
42	Confine Clay in an Alternating Multilayered Structure through Injection Molding: A Simple and Efficient Route to Improve Barrier Performance of Polymeric Materials. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10178-89	9.5	26
41	Preparation, structure and properties of thermoplastic olefin nanocomposites containing functionalized carbon nanotubes. <i>Polymer International</i> , 2011 , 60, 1629-1637	3.3	25
40	Extension-induced mechanical reinforcement in melt-spun fibers of polyamide 66/multiwalled carbon nanotube composites. <i>Polymer International</i> , 2011 , 60, 1646-1654	3.3	25
39	Synergistic Reinforcement of Highly Oriented Poly(propylene) Tapes by Sepiolite Nanoclay. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 37-47	3.9	24
38	Strengthening and toughening of thermoplastic polyolefin elastomer using polypropylene-grafted multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 2104-2112	2.9	23
37	Dynamic percolation in highly oriented conductive networks formed with different carbon nanofillers. <i>Colloid and Polymer Science</i> , 2012 , 290, 1393-1401	2.4	21
36	Ultrasensitive Thin-Film Pressure Sensors with a Broad Dynamic Response Range and Excellent Versatility Toward Pressure, Vibration, Bending, and Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20998-21008	9.5	19
35	Oriented Poly(lactic acid)/Carbon Nanotube Composite Tapes with High Electrical Conductivity and Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 1257-1267	3.9	17
34	Improving tensile strength and toughness of melt processed polyamide 6/multiwalled carbon nanotube composites by in situ polymerization and filler surface functionalization. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 133-140	2.9	17
33	Biomimetic Approach to Facilitate the High Filler Content in Free-Standing and Flexible Thermoelectric Polymer Composite Films Based on PVDF and AgSe Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51506-51516	9.5	15
32	Recent Progress on the Confinement, Assembly, and Relaxation of Inorganic Functional Fillers in Polymer Matrix during Processing. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700444	4.8	13
31	Combined effect of nucleating agent and processing melt temperature on the toughness of impact polypropylene copolymer. <i>Polymer International</i> , 2013 , 62, 172-178	3.3	13
30	Morphology Evolution of Polymer Blends under Intense Shear During High Speed Thin-Wall Injection Molding. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6257-6270	3.4	12

29	The effect of multilayered film structure on the dielectric properties of composites films based on P(VDF-HFP)/Ni(OH) ₂ . <i>Nanocomposites</i> , 2019 , 5, 36-48	3.4	12
28	The interfacial enhancement of LLDPE/whisker composites via interfacial crystallization. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 431-440	3.2	12
27	Processing of Poly(propylene)/Carbon Nanotube Composites using scCO ₂ -Assisted Mixing. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 566-574	3.9	12
26	Progress in polyketone materials: blends and composites. <i>Polymer International</i> , 2018 , 67, 1478-1487	3.3	12
25	Synergistic effects of E-modification and impact polypropylene copolymer on brittle-ductile transition of polypropylene random copolymer. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3613-3622	2.9	11
24	Tailoring toughness of injection molded bar of polypropylene random copolymer through processing melt temperature. <i>Polymer International</i> , 2011 , 60, 1705-1714	3.3	11
23	Improving high-temperature energy storage performance of PI dielectric capacitor films through boron nitride interlayer. <i>Advanced Composites and Hybrid Materials</i> , 1	8.7	11
22	Flexible and Giant Terahertz Modulation Based on Ultra-Strain-Sensitive Conductive Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9790-9796	9.5	10
21	Ordered long-helical conformation of isotactic polypropylene obtained in constrained environment of nanoclay. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1375-1380	3.2	10
20	The effect of DBP of carbon black on the dynamic self-assembly in a polymer melt. <i>RSC Advances</i> , 2016 , 6, 24843-24852	3.7	10
19	Nanoscale Morphology, Interfacial Hydrogen Bonding, Confined Crystallization and Greatly Improved Toughness of Polyamide 12/Polyketone Blends. <i>Nanomaterials</i> , 2018 , 8,	5.4	10
18	Morphology and mechanical properties of poly(ethyleneoctene) copolymers obtained by dynamic packing injection molding. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012 , 30, 603-612	3.5	9
17	High speed injection molding of high density polyethylene I Effects of injection speed on structure and properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 456-464	3.5	9
16	Effect of surface wettability on transparency in different water conditions 2013 , 10, 641-647		8
15	The variable role of clay on the crystallization behavior of DMDBS-nucleated polypropylene. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 732-740	3.5	8
14	"Toolbox" for the Processing of Functional Polymer Composites.. <i>Nano-Micro Letters</i> , 2021 , 14, 35	19.5	8
13	Preparation of high-performance cellulose composite membranes from LiOH/urea solvent system. <i>Nanocomposites</i> , 2019 , 5, 49-60	3.4	6
12	Composite Membrane of Poly(vinylidene fluoride) and 2D Ni(OH) ₂ Nanosheets for High-Performance Lithium-Ion Battery. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 960-970	4.3	5

11	Acid-modified carbon nanotubes distribution and mechanical enhancement in polystyrene/elastomer blends. <i>Polymer Engineering and Science</i> , 2012 , 52, 964-971	2.3	4
10	Superior reinforcement in polyamide 1010/multiwalled carbon nanotube composites realized by high-rate drawing and incorporation of compatibilizer. <i>Polymer International</i> , 2012 , 61, 1400-1410	3.3	3
9	Development of a processing method for carbon nanotubes modified fluorosilicone rubber with enhanced electrical, dielectric, and mechanical properties. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 1495-1506	1.5	2
8	Enhanced fracture energy during deformation through the construction of an alternating multilayered structure for polyolefin blends. <i>Polymer International</i> , 2018 , 67, 1094-1102	3.3	2
7	Alternating multilayer structure of polyethylene/polypropylene blends obtained through injection molding. <i>Journal of Applied Polymer Science</i> , 2012 , 124, n/a-n/a	2.9	2
6	Unusual rheological characteristics of polypropylene/organoclay nanocomposites in continuous cooling process. <i>Journal of Applied Polymer Science</i> , 2012 , 125, E292	2.9	2
5	Schwann Cell-Derived EVs Facilitate Dental Pulp Regeneration through Endogenous Stem Cell Recruitment via SDF-1/CXCR4 Axis. <i>Acta Biomaterialia</i> , 2021 , 140, 610-610	10.8	2
4	Balanced physical properties for thermoplastic silicone vulcanizate-based polymer composites containing functional filler. <i>Polymer Composites</i> , 2020 , 41, 4307-4317	3	1
3	The influence of blend composition and filler on the microstructure, crystallization, and mechanical behavior of polymer blends with multilayered structures. <i>Nanocomposites</i> , 2018 , 4, 178-189	3.4	1
2	PET Clay Nanocomposites by In-situ Polymerization 2011 , 105-122		
1	Bioinspired Layer-by-Layer Poly(vinyl alcohol) - Graphene Oxide Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1410, 19		