

# Yan Yang

## List of Publications by Year in Descending Order

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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	Composite Membrane of Poly(vinylidene fluoride) and 2D Ni(OH) <sub>2</sub> Nanosheets for High-Performance Lithium-Ion Battery. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 960-970	4.3	5
63	Schwann Cell-Derived EVs Facilitate Dental Pulp Regeneration through Endogenous Stem Cell Recruitment via SDF-1/CXCR4 Axis. <i>Acta Biomaterialia</i> , <b>2021</b> , 140, 610-610	10.8	2
62	Stretchable and Healable Conductive Elastomer Based on PEDOT:PSS/Natural Rubber for Self-Powered Temperature and Strain Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 14599-14611	9.5	31
61	"Toolbox" for the Processing of Functional Polymer Composites.. <i>Nano-Micro Letters</i> , <b>2021</b> , 14, 35	19.5	8
60	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 &amp; Interfaces</i> , <b>2020</b> , 12, 51506-51516	9.5	15
59	Balanced physical properties for thermoplastic silicone vulcanizate-based polymer composites containing functional filler. <i>Polymer Composites</i> , <b>2020</b> , 41, 4307-4317	3	1
58	Flexible and Giant Terahertz Modulation Based on Ultra-Strain-Sensitive Conductive Polymer Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 9790-9796	9.5	10
57	Ultrasensitive Thin-Film Pressure Sensors with a Broad Dynamic Response Range and Excellent Versatility Toward Pressure, Vibration, Bending, and Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20998-21008	9.5	19
56	Recent progress on PEDOT:PSS based polymer blends and composites for flexible electronics and thermoelectric devices. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3130-3152	7.8	48
55	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> , <b>2019</b> , 58, 1495-1506	1.5	2
54	Preparation of high-performance cellulose composite membranes from LiOH/urea solvent system. <i>Nanocomposites</i> , <b>2019</b> , 5, 49-60	3.4	6
53	The effect of multilayered film structure on the dielectric properties of composites films based on P(VDF-HFP)/Ni(OH) <sub>2</sub> . <i>Nanocomposites</i> , <b>2019</b> , 5, 36-48	3.4	12
52	Enhanced fracture energy during deformation through the construction of an alternating multilayered structure for polyolefin blends. <i>Polymer International</i> , <b>2018</b> , 67, 1094-1102	3.3	2
51	Fabrication of Highly Stretchable, Washable, Wearable, Water-Repellent Strain Sensors with Multi-Stimuli Sensing Ability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31655-31663	9.5	61
50	The influence of blend composition and filler on the microstructure, crystallization, and mechanical behavior of polymer blends with multilayered structures. <i>Nanocomposites</i> , <b>2018</b> , 4, 178-189	3.4	1
49	Nanoscale Morphology, Interfacial Hydrogen Bonding, Confined Crystallization and Greatly Improved Toughness of Polyamide 12/Polyketone Blends. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	10
48	Progress in polyketone materials: blends and composites. <i>Polymer International</i> , <b>2018</b> , 67, 1478-1487	3.3	12

47	Morphology Evolution of Polymer Blends under Intense Shear During High Speed Thin-Wall Injection Molding. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6257-6270	3.4	12
46	Recent Progress on the Confinement, Assembly, and Relaxation of Inorganic Functional Fillers in Polymer Matrix during Processing. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700444	4.8	13
45	Significant Enhancement of Thermal Conductivity in Polymer Composite via Constructing Macroscopic Segregated Filler Networks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29071-29081	9.5	55
44	The effect of DBP of carbon black on the dynamic self-assembly in a polymer melt. <i>RSC Advances</i> , <b>2016</b> , 6, 24843-24852	3.7	10
43	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 &amp; Interfaces</i> , <b>2015</b> , 7, 10178-89	9.5	26
42	The optimization of thermoelectric properties in a PEDOT:PSS thin film through post-treatment. <i>RSC Advances</i> , <b>2015</b> , 5, 1910-1917	3.7	73
41	Oriented Poly(lactic acid)/Carbon Nanotube Composite Tapes with High Electrical Conductivity and Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 1257-1267	3.9	17
40	Enhanced thermoelectric properties of PEDOT:PSS films via a novel two-step treatment. <i>RSC Advances</i> , <b>2015</b> , 5, 105592-105599	3.7	29
39	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> , <b>2014</b> , 4, 49374-49385	3.7	43
38	The resistivity-strain behavior of conductive polymer composites: stability and sensitivity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17085-17098	13	132
37	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> , <b>2014</b> , 2, 10048-10058	13	67
36	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> , <b>2014</b> , 39, 627-655	29.6	460
35	Combined effect of nucleating agent and processing melt temperature on the toughness of impact polypropylene copolymer. <i>Polymer International</i> , <b>2013</b> , 62, 172-178	3.3	13
34	Modified resistivity-strain behavior through the incorporation of metallic particles in conductive polymer composite fibers containing carbon nanotubes. <i>Polymer International</i> , <b>2013</b> , 62, 134-140	3.3	54
33	Effect of surface wettability on transparency in different water conditions <b>2013</b> , 10, 641-647		8
32	The preparation and properties of polystyrene/functionalized graphene nanocomposite foams using supercritical carbon dioxide. <i>Polymer International</i> , <b>2013</b> , 62, 1077-1084	3.3	55
31	Synergistic effects of modification and impact polypropylene copolymer on brittle-ductile transition of polypropylene random copolymer. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 3613-3622	2.9	11
30	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> , <b>2012</b> , 107, 733-743	4.1	38

29	Dynamic percolation in highly oriented conductive networks formed with different carbon nanofillers. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 1393-1401	2.4	21
28	Effect of annealing on the microstructure and mechanical properties of polypropylene with oriented shish-kebab structure. <i>Polymer International</i> , <b>2012</b> , 61, 252-258	3.3	39
27	The interfacial enhancement of LLDPE/whisker composites via interfacial crystallization. <i>Polymers for Advanced Technologies</i> , <b>2012</b> , 23, 431-440	3.2	12
26	Superior reinforcement in polyamide 1010/multiwalled carbon nanotube composites realized by high-rate drawing and incorporation of compatibilizer. <i>Polymer International</i> , <b>2012</b> , 61, 1400-1410	3.3	3
25	Acid-modified carbon nanotubes distribution and mechanical enhancement in polystyrene/elastomer blends. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 964-971	2.3	4
24	Alternating multilayer structure of polyethylene/polypropylene blends obtained through injection molding. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, n/a-n/a	2.9	2
23	Unusual rheological characteristics of polypropylene/organoclay nanocomposites in continuous cooling process. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E292	2.9	2
22	Morphology and mechanical properties of poly(ethyleneoctene) copolymers obtained by dynamic packing injection molding. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2012</b> , 30, 603-612	3.5	9
21	Bioinspired Layer-by-Layer Poly(vinyl alcohol) - Graphene Oxide Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1410, 19		
20	Control of Crystal Morphology in Poly(l-lactide) by Adding Nucleating Agent. <i>Macromolecules</i> , <b>2011</b> , 44, 1233-1237	5.5	171
19	Fabrication of a transparent superamphiphobic coating with improved stability. <i>Soft Matter</i> , <b>2011</b> , 7, 6435	3.6	119
18	PET Clay Nanocomposites by In-situ Polymerization <b>2011</b> , 105-122		
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> , <b>2011</b> , 29, 456-464	3.5	9
16	The variable role of clay on the crystallization behavior of DMDBS-nucleated polypropylene. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2011</b> , 29, 732-740	3.5	8
15	Dependence of mechanical properties on EForm content and crystalline morphology for E nucleated isotactic polypropylene. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 2044-2054	3.2	64
14	Ordered long-helical conformation of isotactic polypropylene obtained in constrained environment of nanoclay. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 1375-1380	3.2	10
13	Tailoring toughness of injection molded bar of polypropylene random copolymer through processing melt temperature. <i>Polymer International</i> , <b>2011</b> , 60, 1705-1714	3.3	11
12	Preparation, structure and properties of thermoplastic olefin nanocomposites containing functionalized carbon nanotubes. <i>Polymer International</i> , <b>2011</b> , 60, 1629-1637	3.3	25

11	Extension-induced mechanical reinforcement in melt-spun fibers of polyamide 66/multiwalled carbon nanotube composites. <i>Polymer International</i> , <b>2011</b> , 60, 1646-1654	3.3	25
10	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> , <b>2011</b> , 120, 133-140	2.9	17
9	Improved thermal stability and mechanical properties of poly(propylene carbonate) by reactive blending with maleic anhydride. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 3565-3573	2.9	35
8	Strengthening and toughening of thermoplastic polyolefin elastomer using polypropylene-grafted multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2104-2112	2.9	23
7	Preparation of high performance conductive polymer fibres from double percolated structure. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6401		65
6	A promising alternative to conventional polyethylene with poly(propylene carbonate) reinforced by graphene oxide nanosheets. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17627		51
5	Synergistic Reinforcement of Highly Oriented Poly(propylene) Tapes by Sepiolite Nanoclay. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 37-47	3.9	24
4	Processing of Poly(propylene)/Carbon Nanotube Composites using scCO <sub>2</sub> -Assisted Mixing. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 566-574	3.9	12
3	A Novel Concept for Highly Oriented Carbon Nanotube Composite Tapes or Fibres with High Strength and Electrical Conductivity. <i>Macromolecular Materials and Engineering</i> , <b>2009</b> , 294, 749-755	3.9	51
2	New Understanding in Tuning Toughness of Polypropylene: The Role of Nucleated Crystalline Morphology. <i>Macromolecules</i> , <b>2009</b> , 42, 9325-9331	5.5	241
1	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