

# Ming Wang

## 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.

83  
papers

3,217  
citations

35  
h-index

55  
g-index

83  
ext. papers

4,087  
ext. citations

6.6  
avg, IF

6.05  
L-index

#	Paper	IF	Citations
83	Ultralow percolation threshold and enhanced electromagnetic interference shielding in poly(L-lactide)/multi-walled carbon nanotube nanocomposites with electrically conductive segregated networks. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 9359-9369	7.1	276
82	Enhanced electrical conductivity and piezoresistive sensing in multi-wall carbon nanotubes/polydimethylsiloxane nanocomposites via the construction of a self-segregated structure. <i>Nanoscale</i> , <b>2017</b> , 9, 11017-11026	7.7	151
81	Morphological regulation improved electrical conductivity and electromagnetic interference shielding in poly(L-lactide)/poly(ε-caprolactone)/carbon nanotube nanocomposites via constructing stereocomplex crystallites. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 2807-2817	7.1	129
80	Progress in Toughening Poly(Lactic Acid) with Renewable Polymers. <i>Polymer Reviews</i> , <b>2017</b> , 57, 557-593	14	115
79	A facile approach to fabricating silver-coated cotton fiber non-woven fabrics for ultrahigh electromagnetic interference shielding. <i>Applied Surface Science</i> , <b>2018</b> , 458, 236-244	6.7	111
78	Construction, mechanism and prospective of conductive polymer composites with multiple interfaces for electromagnetic interference shielding: A review. <i>Carbon</i> , <b>2021</b> , 177, 377-402	10.4	104
77	A facile approach to constructing efficiently segregated conductive networks in poly(lactic acid)/silver nanocomposites via silver plating on microfibers for electromagnetic interference shielding. <i>Composites Science and Technology</i> , <b>2018</b> , 156, 136-143	8.6	97
76	Structure and properties of electrically conducting composites consisting of alternating layers of pure polypropylene and polypropylene with a carbon black filler. <i>Polymer</i> , <b>2008</b> , 49, 4861-4870	3.9	88
75	Multifunctional polydimethylsiloxane foam with multi-walled carbon nanotube and thermo-expandable microsphere for temperature sensing, microwave shielding and piezoresistive sensor. <i>Chemical Engineering Journal</i> , <b>2020</b> , 393, 124805	14.7	82
74	Multifunctional cotton non-woven fabrics coated with silver nanoparticles and polymers for antibacterial, superhydrophobic and high performance microwave shielding. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 582, 112-123	9.3	81
73	Effect of pentaerythritol and organic tin with calcium/zinc stearates on the stabilization of poly(vinyl chloride). <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 2101-2109	4.7	73
72	Ultralow Percolation Threshold in Poly(l-lactide)/Poly(ε-caprolactone)/Multiwall Carbon Nanotubes Composites with a Segregated Electrically Conductive Network. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 3087-3098	3.8	72
71	Controlled Folding of 2D Au/Polymer Brush Composites into 3D Microstructures. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 652-657	15.6	71
70	Percolation behavior of electromagnetic interference shielding in polymer/multi-walled carbon nanotube nanocomposites. <i>Composites Science and Technology</i> , <b>2019</b> , 170, 70-76	8.6	70
69	Segregated polypropylene/cross-linked poly(ethylene-co-1-octene)/multi-walled carbon nanotube nanocomposites with low percolation threshold and dominated negative temperature coefficient effect: Towards electromagnetic interference shielding and thermistors. <i>Composites Science and Technology</i> , <b>2019</b> , 159, 152-161	8.6	67
68	Functionalized graphene sheets filled isotactic polypropylene nanocomposites. <i>Composites Part B: Engineering</i> , <b>2015</b> , 71, 175-183	10	65
67	All Plant Oil Derived Epoxy Thermosets with Excellent Comprehensive Properties. <i>Macromolecules</i> , <b>2017</b> , 50, 5729-5738	5.5	62

66	Constructing multiple interfaces in polydimethylsiloxane/multi-walled carbon nanotubes nanocomposites by the incorporation of cotton fibers for high-performance electromagnetic interference shielding and mechanical enhancement. <i>Applied Surface Science</i> , <b>2019</b> , 466, 657-665	6.7	62
65	Curing of epoxidized soybean oil with crystalline oligomeric poly(butylene succinate) towards high performance and sustainable epoxy resins. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 875-885	14.7	59
64	Achieving high electrical conductivity and excellent electromagnetic interference shielding in poly(lactic acid)/silver nanocomposites by constructing large-area silver nanoplates in polymer matrix. <i>Composites Part B: Engineering</i> , <b>2019</b> , 171, 204-213	10	54
63	Low magnetic field-induced alignment of nickel particles in segregated poly(l-lactide)/poly(ε-caprolactone)/multi-walled carbon nanotube nanocomposites: Towards remarkable and tunable conductive anisotropy. <i>Chemical Engineering Journal</i> , <b>2018</b> , 347, 472-482	14.7	51
62	In situ fibrillation of polyamide 6 in isotactic polypropylene occurring in the laminating-multiplying die. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 237-245	3.2	51
61	Morphology, crystallization and rheological behavior in poly(butylene succinate)/cellulose nanocrystal nanocomposites fabricated by solution coagulation. <i>Carbohydrate Polymers</i> , <b>2017</b> , 164, 75-82	10.3	50
60	Curing behavior of epoxidized soybean oil with biobased dicarboxylic acids. <i>Polymer Testing</i> , <b>2017</b> , 57, 281-287	4.5	49
59	Morphology, rheological and crystallization behavior in non-covalently functionalized carbon nanotube reinforced poly(butylene succinate) nanocomposites with low percolation threshold. <i>Polymer Testing</i> , <b>2016</b> , 50, 182-190	4.5	48
58	Simulation of mechanical properties of multilayered propylene-ethylene copolymer/ethylene 1-octene copolymer composites by equivalent box model and its experimental verification. <i>European Polymer Journal</i> , <b>2009</b> , 45, 3269-3281	5.2	47
57	Constructing nanopores in poly(oxymethylene)/multi-wall carbon nanotube nanocomposites via poly(l-lactide) assisting for improving electromagnetic interference shielding. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 565, 536-545	9.3	45
56	Comparative study on solid and hollow glass microspheres for enhanced electromagnetic interference shielding in polydimethylsiloxane/multi-walled carbon nanotube composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 177, 107378	10	43
55	Dynamic vulcanization of castor oil in a polylactide matrix for toughening. <i>RSC Advances</i> , <b>2016</b> , 6, 79542-79553	3.95	41
54	The effect of talc orientation and transcrystallization on mechanical properties and thermal stability of the polypropylene/talc composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 58, 7-15	8.4	40
53	High Performance and Thermal Processable Dicarboxylic Acid Cured Epoxidized Plant Oil Resins through Dynamic Vulcanization with Poly(lactic acid). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1938-1947	8.3	39
52	Achieving highly electrical conductivity and piezoresistive sensitivity in polydimethylsiloxane/multi-walled carbon nanotube composites via the incorporation of silicon dioxide micro-particles. <i>Composites Science and Technology</i> , <b>2019</b> , 177, 41-48	8.6	37
51	Control of the Crystalline Morphology of Poly(l-lactide) by Addition of High-Melting-Point Poly(l-lactide) and Its Effect on the Distribution of Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7423-37	3.4	37
50	Temperature and strain-induced tunable electromagnetic interference shielding in polydimethylsiloxane/multi-walled carbon nanotube composites with temperature-sensitive microspheres. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 140, 106188	8.4	36
49	Formation of Hierarchically Structured Thin Films. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2236-2243	15.6	35

48	Interfacial metallization in segregated poly (lactic acid)/poly (ϵ-caprolactone)/multi-walled carbon nanotubes composites for enhancing electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 139, 106116	8.4	32
47	Enhancement of the interfacial interaction between poly(vinyl chloride) and zinc oxide modified reduced graphene oxide. <i>RSC Advances</i> , <b>2016</b> , 6, 5784-5791	3.7	32
46	Robust electromagnetic interference shielding, joule heating, thermal conductivity, and anti-dripping performances of polyoxymethylene with uniform distribution and high content of carbon-based nanofillers. <i>Composites Science and Technology</i> , <b>2021</b> , 206, 108681	8.6	31
45	Graphene oxide-assisted dispersion of multi-walled carbon nanotubes in biodegradable Poly(ϵ-caprolactone) for mechanical and electrically conductive enhancement. <i>Polymer Testing</i> , <b>2018</b> , 65, 387-397	4.5	30
44	Achieve high performance microwave shielding in poly(ϵ-caprolactone)/multi-wall carbon nanotube composites via balancing absorption in conductive domains and multiple scattering at interfaces. <i>Applied Surface Science</i> , <b>2020</b> , 508, 145178	6.7	30
43	Controlling distribution of multi-walled carbon nanotube on surface area of Poly(ϵ-caprolactone) to form sandwiched structure for high-efficiency electromagnetic interference shielding. <i>Composites Part B: Engineering</i> , <b>2020</b> , 196, 108121	10	29
42	Shear-induced orientation of functional graphene oxide sheets in isotactic polypropylene. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 5185-5195	4.3	29
41	Effect of phase morphology and distribution of multi-walled carbon nanotubes on microwave shielding of poly(L-lactide)/poly(ϵ-caprolactone) composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 137, 106008	8.4	27
40	Reprocessable Epoxy Networks with Tunable Physical Properties: Synthesis, Stress Relaxation and Recyclability. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2018</b> , 36, 641-648	3.5	26
39	Toughening polylactide by dynamic vulcanization with castor oil and different types of diisocyanates. <i>Polymer Testing</i> , <b>2017</b> , 59, 470-477	4.5	25
38	Poly(sodium 4-styrenesulfonate) wrapped carbon nanotube with low percolation threshold in poly(ϵ-caprolactone) nanocomposites. <i>Polymer Testing</i> , <b>2016</b> , 51, 40-48	4.5	25
37	Asymmetric deformation in poly(ethylene-co-1-octene)/multi-walled carbon nanotube composites with glass micro-beads for highly piezoresistive sensitivity. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 176-184	14.7	22
36	Formation of thermally conductive networks in isotactic polypropylene/hexagonal boron nitride composites via Bridge Effect of multi-wall carbon nanotubes and graphene nanoplatelets. <i>RSC Advances</i> , <b>2016</b> , 6, 98571-98580	3.7	22
35	New approach to morphological control for polypropylene/polyethylene blends via magnetic self-organization. <i>Materials and Design</i> , <b>2017</b> , 117, 24-36	8.1	20
34	Poly(sodium 4-styrenesulfonate) modified graphene for reinforced biodegradable poly(ϵ-caprolactone) nanocomposites. <i>RSC Advances</i> , <b>2015</b> , 5, 73146-73154	3.7	20
33	Morphological, rheological, crystalline and mechanical properties of ethylene-vinyl acetate copolymer/linear low-density polyethylene/amphiphilic graphene oxide nanocomposites. <i>Polymer Testing</i> , <b>2017</b> , 63, 289-297	4.5	20
32	Morphology, rheological and crystallization behavior in thermoplastic polyurethane toughed poly(L-lactide) with stereocomplex crystallites. <i>Polymer Testing</i> , <b>2017</b> , 62, 1-12	4.5	19
31	Zinc maleate and calcium stearate as a complex thermal stabilizer for poly(vinyl chloride). <i>Journal of Vinyl and Additive Technology</i> , <b>2014</b> , 20, 1-9	2	18

30	Achieving high-performance and tunable microwave shielding in multi-walled carbon nanotubes/polydimethylsiloxane composites containing liquid metals. <i>Applied Surface Science</i> , <b>2021</b> , 563, 150255	6.7	17
29	Morphology and isothermal crystallization of graphene oxide reinforced biodegradable poly(butylene succinate). <i>Polymer Testing</i> , <b>2017</b> , 59, 1-9	4.5	14
28	Adjusting Distribution of Multiwall Carbon Nanotubes in Poly(L-lactide)/Poly(oxymethylene) Blends via Constructing Stereocomplex Crystallites: Toward Conductive and Microwave Shielding Enhancement. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 27884-27895	3.8	14
27	Superstructure silver micro-tube composites for ultrahigh electromagnetic wave shielding. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 132949	14.7	13
26	Crystallization kinetics and morphology of biodegradable Poly( $\epsilon$ -caprolactone) with chain-like distribution of ferroferric oxide nanoparticles: Toward mechanical enhancements. <i>Polymer</i> , <b>2017</b> , 117, 84-95	3.9	11
25	Crystallization Behavior of Poly(sodium 4-styrenesulfonate)-Functionalized Carbon Nanotubes Filled Poly( $\epsilon$ -caprolactone) Nanocomposites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 1881-1889	3.9	11
24	Low magnetic field-induced morphological regulation in isotactic polypropylene/poly( $\epsilon$ -caprolactone)/carbon black composites for high electrical conductivity and conductive anisotropy. <i>Composites Communications</i> , <b>2018</b> , 9, 58-62	6.7	11
23	Processing temperature-dependent distribution of multiwall carbon nanotube in poly(ethylene-co-1-octene)/high density polyethylene for electrical conductivity and microwave shielding enhancement. <i>Polymer Composites</i> , <b>2021</b> , 42, 1396-1406	3	11
22	Gentle crosslinking to enhance interfacial interaction in thermoplastic polyurethane/poly(ethylene-co-1-octene)/multi-walled carbon nanotube composites for conductive improvement and piezoresistive stability. <i>Polymer Testing</i> , <b>2019</b> , 75, 142-150	4.5	10
21	Effect of base-deposited graphene oxide on the thermal stabilization of poly(vinyl chloride). <i>Polymer International</i> , <b>2016</b> , 65, 125-132	3.3	10
20	Negative liquid sensing effect and tunable piezoresistive sensitivity in polydimethylsiloxane/carbon nanotubes/water-absorbing-expansion particles nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 126, 105608	8.4	9
19	Effect of calcium stearates and zinc stearates on polyene formation of poly(vinyl chloride) under degradation. <i>Journal of Elastomers and Plastics</i> , <b>2013</b> , 45, 173-186	1.6	8
18	Thermo-expandable microspheres strengthened polydimethylsiloxane foam with unique softening behavior and high-efficient energy absorption. <i>Applied Surface Science</i> , <b>2021</b> , 540, 148364	6.7	8
17	Migration mechanism of carbon nanotubes and matching viscosity-dependent morphology in Co-continuous Poly(lactic acid)/Poly( $\epsilon$ -caprolactone) blend: Towards electromagnetic shielding enhancement. <i>Polymer</i> , <b>2022</b> , 252, 124963	3.9	7
16	Magnetic Responsive Polymer Nanocomposites with In Situ Tunable Anisotropy by Magnetic Self-Organization. <i>ChemistrySelect</i> , <b>2016</b> , 1, 5542-5546	1.8	6
15	Crystallization and mechanical properties of isotactic polypropylene/calcium carbonate nanocomposites with a stratified distribution of calcium carbonate. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	6
14	Poly(cetyl trimethylammonium 4-styrenesulfonate)-wrapped carbon nanotubes filled in polylactide nanocomposites: Fabrication and properties. <i>Polymer Testing</i> , <b>2017</b> , 63, 323-333	4.5	6
13	Liquid metal coated copper micro-particles to construct core-shell structure and multiple heterojunctions for high-efficiency microwave absorption. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 607, 210-218	9.3	6

12	Uniform fiber orientation and transcrystallization formed in isotactic polypropylene/short glass fiber composites via a shear-induced orientation extrusion. <i>Polymer Composites</i> , <b>2018</b> , 39, 3168-3177	3	5
11	Effect of morphology on the interfacial slip of immiscible polypropylene/polystyrene blends. <i>Rheologica Acta</i> , <b>2013</b> , 52, 963-972	2.3	5
10	Network alteration theory on Mullins effect in semicrystalline polymers. <i>Polymer International</i> , <b>2015</b> , 64, 105-112	3.3	5
9	Achieving highly crystalline rate and crystallinity in Poly(l-lactide) via in-situ melting reaction with diisocyanate and benzohydrazine to form nucleating agents. <i>Polymer Testing</i> , <b>2020</b> , 81, 106216	4.5	5
8	Effect interfacial size and multiple interface on electromagnetic shielding of silicon rubber/carbon nanotube composites with mixing segregated particles. <i>Composite Structures</i> , <b>2022</b> , 292, 115668	5.3	5
7	Effect of zinc maleate/zinc oxide complex on thermal stability of poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	4
6	Fabrication of hierarchically crystallographic morphologies in isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	4
5	Fabrication of recyclable nucleating agent and its effect on crystallization, gas barrier, thermal, and mechanical performance of Poly(-lactide). <i>Polymer</i> , <b>2021</b> , 231, 124121	3.9	4
4	Improving dispersion and delamination of graphite in biodegradable starch materials via constructing cation- $\pi$ interaction: Towards microwave shielding enhancement. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 129, 196-205	9.1	3
3	Electric-magnetic-dielectric synergism and Salisbury screen effect in laminated polymer composites with multiwall carbon nanotube, nickel, and antimony trioxide for enhancing electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2022</b> , 156, 106901	8.4	2
2	Controllable construction of cross-linking network for regulating on the mechanical properties of polydimethylsiloxane and polydimethylsiloxane/carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 52113	2.9	1
1	Piezoresistive anisotropy in conductive silicon rubber/multi-walled carbon nanotube/nickel particle composites via alignment of nickel particles. <i>Composites Science and Technology</i> , <b>2022</b> , 109520	8.6	1