Chen Chen

List of Publications by Citations

56 papers	1,869 citations	24 h-index	42 g-index
56 ext. papers	2,084 ext. citations	4.8 avg, IF	4.46 L-index

#	Paper	IF	Citations
56	Graphene Nanosheets and Shear Flow Induced Crystallization in Isotactic Polypropylene Nanocomposites. *Macromolecules*, **2011**, 44, 2808-2818	5.5	143
55	A simple strategy to achieve very low percolation threshold via the selective distribution of carbon nanotubes at the interface of polymer blends. *Journal of Materials Chemistry*, **2012**, 22, 22398		127
54	Enhanced mechanical and thermal properties of rigid polyurethane foam composites containing graphene nanosheets and carbon nanotubes. *Polymer International*, **2012**, 61, 1107-1114	3.3	103
53	Super-tough conducting carbon nanotube/ultrahigh-molecular-weight polyethylene composites with segregated and double-percolated structure. *Journal of Materials Chemistry*, **2012**, 22, 23568		102
52	The effect of electric field, annealing temperature and filler loading on the percolation threshold of polystyrene containing carbon nanotubes and graphene nanosheets. *Carbon*, **2011**, 49, 1980-1988	10.4	99
51	Characterization of PA6/EPDM-g-MA/HDPE ternary blends: The role of core-shell structure. *Polymer*, **2012**, 53, 3043-3051	3.9	94
50	Cocontinuous morphology of immiscible high density polyethylene/polyamide 6 blend induced by multiwalled carbon nanotubes network. *European Polymer Journal*, **2012**, 48, 350-361	5.2	74
49	Selective localization of carbon nanotubes at the interface of Poly(L-lactide)/Ethylene-co-vinyl Acetate resulting in lowered electrical resistivity. *Composites Part B: Engineering*, **2013**, 55, 463-469	10	65
48	Promoting Osseointegration of Ti Implants through Micro/Nanoscaled Hierarchical Ti Phosphate/Ti Oxide Hybrid Coating. *ACS Nano*, **2018**, 12, 7883-7891	16.7	63
47	Preparation of PVA hydrogel with high-transparence and investigations of its transparent mechanism. *RSC Advances*, **2015**, 5, 24023-24030	3.7	60
46	Electrically conductive carbon nanotube/ultrahigh molecular weight polyethylene composites with segregated and double percolated structure. *Materials Letters*, **2012**, 79, 96-99	3.3	60
45	Synergistic effect of ammonium polyphosphate and expandable graphite on flame-retardant properties of acrylonitrile-butadiene-styrene. *Journal of Applied Polymer Science*, **2012**, 126, 1337-1343	2.9	58
44	Tuning the superstructure of ultrahigh-molecular-weight polyethylene/low-molecular-weight polyethylene blend for artificial joint application. *ACS Applied Materials & Interfaces*, **2012**, 4, 1521-9	9.5	56
43	Easy alignment and effective nucleation activity of ramie fibers in injection-molded poly(lactic acid) biocomposites. *Biopolymers*, **2012**, 97, 825-39	2.2	50
42	A Bioinspired Platform for Effective Delivery of Protein Therapeutics to the Central Nervous System. *Advanced Materials*, **2019**, 31, e1807557	24	47
41	Graphene Oxide Nanosheet Induced Intrachain Conformational Ordering in a Semicrystalline Polymer. *Journal of Physical Chemistry Letters*, **2012**, 3, 530-5	6.4	47
40	Suppressing the skin-core structure of injection-molded isotactic polypropylene via combination of an in situ microfibrillar network and an interfacial compatibilizer. *Journal of Physical Chemistry B*, **2011**, 115, 7497-504	3.4	41

39	Isothermal and nonisothermal crystallization of isotactic polypropylene/graphene oxide nanosheet nanocomposites. *Journal of Polymer Research*, **2012**, 19, 1	2.7	39
38	Fabrication of silver-incorporated TiO2 nanotubes and evaluation on its antibacterial activity. *Materials Letters*, **2014**, 137, 464-467	3.3	34
37	Carbon nanotubes induced microstructure and mechanical properties changes in cocontinuous poly(L-lactide)/ethylene-co-vinyl acetate blends. *Polymers for Advanced Technologies*, **2012**, 23, 783-790	3.2	34
36	Largely enhanced ductility of immiscible high density polyethylene/polyamide 6 blends via nano-bridge effect of functionalized multiwalled carbon nanotubes. *Polymers for Advanced Technologies*, **2011**, 22, 2533-2542	3.2	32
35	Graphene Oxide-Templated Synthesis of Hydroxyapatite Nanowhiskers To Improve the Mechanical and Osteoblastic Performance of Poly(lactic acid) for Bone Tissue Regeneration. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3862-3869	8.3	31
34	Compatibilization of natural rubber/high density polyethylene thermoplastic vulcanizate with graphene oxide through ultrasonically assisted latex mixing. *Journal of Applied Polymer Science*, **2013**, 127, 933-941	2.9	26
33	Preparation, structure and properties of thermoplastic olefin nanocomposites containing functionalized carbon nanotubes. *Polymer International*, **2011**, 60, 1629-1637	3.3	25
32	Dynamic Electrical and Rheological Percolation in Isotactic Poly(propylene)/Carbon Black Composites. *Macromolecular Materials and Engineering*, **2012**, 297, 51-59	3.9	24
31	Surface bioactivation through the nanostructured layer on titanium modified by facile HPT treatment. *Scientific Reports*, **2017**, 7, 4155	4.9	24
30	Preparation and properties of carbon black/polymer composites with segregated and double-percolated network structures. *Journal of Materials Science*, **2013**, 48, 4892-4898	4.3	23
29	Toughening of poly(L-lactide)/multiwalled carbon nanotubes nanocomposite with ethylene-co-vinyl acetate. *Journal of Polymer Science, Part B: Polymer Physics*, **2011**, 49, 267-276	2.6	23
28	Effect of compatibilizer and clay on morphology and fracture resistance of immiscible high density polyethylene/polyamide 6 blend. *Composites Part B: Engineering*, **2013**, 54, 422-430	10	20
27	Conductive network formation during annealing of an oriented polyethylene-based composite. *Journal of Materials Science*, **2012**, 47, 3713-3719	4.3	19
26	Enhancement effect of filler network on isotactic polypropylene/carbon black composite melts. *Colloid and Polymer Science*, **2011**, 289, 1673-1681	2.4	18
25	Oppositely Charged Polyurethane Microspheres with Tunable Zeta Potentials as an Injectable Dual-Loaded System for Bone Repair. *ACS Applied Materials & Interfaces*, **2017**, 9, 25808-25817	9.5	17
24	Morphology and mechanical property changes in compatibilized high density polyethylene/polyamide 6 nanocomposites induced by carbon nanotubes. *Polymer International*, **2012**, 61, 1334-1343	3.3	17
23	Suppressing of β-crystal formation in metallocene-based isotactic polypropylene during isothermal crystallization under shear flow. *Journal of Physical Chemistry B*, **2012**, 116, 5056-63	3.4	16
22	Unexpected observation of highly thermostable transcrystallinity of poly(lactic acid) induced by aligned carbon nanotubes. *European Polymer Journal*, **2015**, 63, 177-185	5.2	15

21	Influence of the Compaction Temperature on the Electrical and Mechanical Properties of the Segregated Conductive Ultrahigh Molecular Weight Polyethylene/Carbon Nanotube Composite. *Polymer-Plastics Technology and Engineering*, **2012**, 51, 1530-1536		13
20	Segregated Conductive Ultrahigh-Molecular-Weight Polyethylene Composites Containing High-Density Polyethylene as Carrier Polymer of Graphene Nanosheets. *Polymer-Plastics Technology and Engineering*, **2012**, 51, 1483-1486		13
19	Non-isothermal crystallization of ethylene-vinyl acetate copolymer containing a high weight fraction of graphene nanosheets and carbon nanotubes. *Chinese Journal of Polymer Science (English Edition)*, **2012**, 30, 879-892	3.5	13
18	Quaternization on polyetheretherketone and its antimicrobial activity. *Materials Letters*, **2019**, 235, 242-245	3.5	11
17	High-Density Polyethylene/Ground Tyre Rubber Blends: Effective Dispersion and Mechanical Property Enhancement through Solid-State Mechanochemical Milling. *Progress in Rubber, Plastics and Recycling Technology*, **2012**, 28, 81-94	1.7	10
16	The Resistivity Response of an Anisotropically Conductive Polymer Composite with in-situ Conductive Microfibrils During Cooling. *Polymer-Plastics Technology and Engineering*, **2011**, 50, 1511-1514		10
15	Cloning and expression study of a putative carotene biosynthesis related (cbr) gene from the halotolerant green alga Dunaliella salina. *Molecular Biology Reports*, **2008**, 35, 321-7	2.8	9
14	Fabrication of nano-hydroxyapatite/chitosan membrane with asymmetric structure and its applications in guided bone regeneration. *Bio-Medical Materials and Engineering*, **2017**, 28, 223-233	1	8
13	Preparation and properties of carbon nanotube/binary-polymer composites with a double-segregated structure. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	7
12	In-situ synchrotron x-ray scattering study on isothermal crystallization of ethylene-vinyl acetate copolymers containing a high weight fraction of carbon nanotubes and graphene nanosheets. *Journal of Polymer Research*, **2012**, 19, 1	2.7	7
11	Biodegradable chitosan-based composites with dual functions acting as the bone scaffold and the inflammation inhibitor in the treatment of bone defects. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2018**, 67, 703-710	3	6
10	Enhanced foamability of isotactic polypropylene composites by polypropylene-graft-carbon nanotube. *Journal of Applied Polymer Science*, **2013**, 130, 961-968	2.9	6
9	Interfacial Engineering of Graphene Nanosheets at MgO Particles for Thermal Conductivity Enhancement of Polymer Composites. *Nanomaterials*, **2019**, 9,	5.4	5
8	Effects of Ethylene-Vinyl Acetate Copolymer on the Morphology and Mechanical Properties of Hydroxyapatite/Polyamide 66 Composites for Bone Tissue Engineering. *Polymer-Plastics Technology and Engineering*, **2014**, 53, 290-297		5
7	High-pressure crystallization of poly(lactic acid) with and without N2 atmosphere protection. *Journal of Materials Science*, **2013**, 48, 7374-7383	4.3	4
6	Fabrication of an integrated cartilage/bone joint prosthesis and its potential application in joint replacement. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 59, 265-271	4.1	4
5	A facile strategy to modulate the fluorescent properties of star polymers by varying the arm numbers. *Journal of Polymer Research*, **2012**, 19, 1	2.7	3
4	3D-Printing Biodegradable PU/PAAM/Gel Hydrogel Scaffold with High Flexibility and Self-Adaptibility to Irregular Defects for Nonload-Bearing Bone Regeneration. *Bioconjugate Chemistry*, **2021**, 32, 1915-1925	6.3	3

3	Hydroxypropylcellulose Coating to Improve Graft-to-Bone Healing for Anterior Cruciate Ligament Reconstruction. *ACS Biomaterials Science and Engineering*, **2019**, 5, 1793-1803	5.5	3
2	Mechanistic insights into the room temperature transitions of polytetrafluoroethylene during electron-beam irradiation. *Nuclear Instruments & Methods in Physics Research B*, **2017**, 410, 188-192	1.2	2
1	Isothermal-Treatment-Induced Network Formation of Carbon Black in Isotactic Polypropylene/Carbon Black Composites. *Journal of Macromolecular Science - Physics*, **2013**, 52, 762-772	1.4	1