Tao Tang

List of Publications by Year
in descending order

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183 papers	6,194 citations	57758 44 h-index	95266 68 g-index
187 all docs	187 docs citations	187 times ranked	5442 citing authors

#	Article	IF	Citations
1	Converting poly(ethylene terephthalate) waste into N-doped porous carbon as CO2 adsorbent and solar steam generator. Green Energy and Environment, 2022, 7, 411-422.	8.7	61
2	One-pot green mass production of hierarchically porous carbon via a recyclable salt-templating strategy. Green Energy and Environment, 2022, 7, 818-828.	8.7	23
3	Rational Design of Highâ€Performance Bilayer Solar Evaporator by Using Waste Polyesterâ€Derived Porous Carbonâ€Coated Wood. Energy and Environmental Materials, 2022, 5, 617-626.	12.8	116
4	High-performance salt-resistant solar interfacial evaporation by flexible robust porous carbon/pulp fiber membrane. Science China Materials, 2022, 65, 201-212.	6.3	32
5	Selfâ€Floating Efficient Solar Steam Generators Constructed Using Superâ€Hydrophilic N,O Dualâ€Doped Carbon Foams from Waste Polyester. Energy and Environmental Materials, 2022, 5, 1204-1213.	12.8	55
6	Polyurethane/polydopamine/graphene auxetic composite foam with high-efficient and tunable electromagnetic interference shielding performance. Chemical Engineering Journal, 2022, 427, 131635.	12.7	24
7	Upcycling Waste Polyethylene into Carbon Nanomaterial via a Carbonâ€Grownâ€onâ€Carbon Strategy. Macromolecular Rapid Communications, 2022, 43, e2100835.	3.9	8
8	Flame retardancy ofbiodegradablepolylactic acid with piperazine pyrophosphate and melamine cyanurate as flame retardant. Journal of Fire Sciences, 2022, 40, 254-273.	2.0	19
9	A new strategy for constructing polypropylene composite foams with excellent ablation resistance and flame retardancy. Polymer, 2022, 251, 124940.	3.8	4
10	A â€œPlasticizing-Foaming-Reinforcingâ€•approach for creating thermally insulating PVC/polyurea blend foams with shape memory function. Chemical Engineering Journal, 2022, 450, 138071.	12.7	14
11	Preparation of rigid cross-linked PVC foam with excellent thermal insulation through adding high-reflectivity IR opacifier. Composites Science and Technology, 2021, 203, 108566.	7.8	18
12	Preparation of Fe₃O₄@polypyrrole composite materials for asymmetric supercapacitor applications. New Journal of Chemistry, 2021, 45, 16011-16018.	2.8	25
13	The in situ construction of three-dimensional coreâ€“shell-structured TiO₂@PPy/rGO nanocomposites for improved supercapacitor electrode performance. New Journal of Chemistry, 2021, 45, 1092-1099.	2.8	28
14	Striking Effect of PbPU Multiblock Copolymers on the Morphology Evolution and Performance of PP/TPU Blends before and after the sc-CO2-Foaming Process. Industrial & Engineering Chemistry Research, 2021, 60, 2890-2897.	3.7	6
15	Synthesis of Long-Subchain Hyperbranched Polypropylene Using Thermally Degraded Products as Precursor. Macromolecules, 2021, 54, 5567-5576.	4.8	10
16	Three-dimensional hierarchical porous carbon derived from natural resources for highly efficient treatment of polluted water. Environmental Sciences Europe, 2021, 33, .	5.5	10
17	cis-1,4 Selective Coordination Polymerization of 1,3-Butadiene and Copolymerization with Polar 2-(4-Methoxyphenyl)-1,3-butadiene by Acenaphthene-Based Î±-Diimine Cobalt Complexes Featuring Intra-Ligand Ï€-Ï€ Stacking Interactions. Polymers, 2021, 13, 3329.	4.5	2
18	Propylene homopolymerization and copolymerization with ethylene by acenaphthene-based Î±-diimine nickel complexes to access EPR-like elastomers. Polymer Chemistry, 2021, 12, 6307-6318.	3.9	8

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19	Synthesis of mono- and bis- benzimidazolin-2-iminato titanium complexes and their catalytic performances in ethylene homo- and co- polymerizations. Molecular Catalysis, 2021, 516, 111974.	2.0	1
20	Three dimensional graphene/carbonized metal-organic frameworks based high-performance supercapacitor. Carbon, 2020, 157, 55-63.	10.3	62
21	Porous carbon nanosheet with high surface area derived from waste poly(ethylene terephthalate) for supercapacitor applications. Journal of Applied Polymer Science, 2020, 137, 48338.	2.6	45
22	Sustainable recycling of waste polystyrene into hierarchical porous carbon nanosheets with potential applications in supercapacitors. Nanotechnology, 2020, 31, 035402.	2.6	42
23	Flame retardant effect and mechanism of nanosized NiO as synergist in PLA/APP/CSi-MCA composites. Composites Communications, 2020, 17, 170-176.	6.3	51
24	Striking effect of carbon nanotubes on adjusting sc-CO2 foaming performance of PS/LLDPE blends and forming semi-open cellular structure. Polymer, 2020, 207, 122896.	3.8	14
25	Novel Method for Preparing a High-Performance Auxetic Foam Directly from Polymer Resin by a One-Pot CO₂ Foaming Process. ACS Applied Materials & Interfaces, 2020, 12, 48040-48048.	8.0	26
26	Light-triggered disassembly of photo-responsive gold nanovesicles for controlled drug release. Materials Chemistry Frontiers, 2020, 4, 2805-2811.	5.9	8
27	Waste-to-wealth: Sustainable conversion of polyester waste into porous carbons as efficient solar steam generators. Journal of the Taiwan Institute of Chemical Engineers, 2020, 115, 71-78.	5.3	23
28	High-performance solar vapor generation by sustainable biomimetic snake-scale-like porous carbon. Sustainable Energy and Fuels, 2020, 4, 5522-5532.	4.9	25
29	Controllable Carbonization of Plastic Waste into Three-Dimensional Porous Carbon Nanosheets by Combined Catalyst for High Performance Capacitor. Nanomaterials, 2020, 10, 1097.	4.1	33
30	High-performance solar vapor generation of Ni/carbon nanomaterials by controlled carbonization of waste polypropylene. Science China Materials, 2020, 63, 779-793.	6.3	55
31	Co-etching effect to convert waste polyethylene terephthalate into hierarchical porous carbon toward excellent capacitive energy storage. Science of the Total Environment, 2020, 723, 138055.	8.0	55
32	Preparation of Polypropylene Foams with Bimodal Cell Structure Using a Microporous Molecular Sieve as a Nucleating Agent. Industrial & Engineering Chemistry Research, 2020, 59, 7594-7603.	3.7	12
33	A general approach towards carbonization of plastic waste into a well-designed 3D porous carbon framework for super lithium-ion batteries. Chemical Communications, 2020, 56, 9142-9145.	4.1	49
34	Highly selective cis-1,4 copolymerization of dienes with polar 2-(3-methylidenepent-4-en-1-yl) pyridine: an approach for recyclable elastomers. Polymer Chemistry, 2020, 11, 1646-1652.	3.9	16
35	Adjusting cell structure of polypropylene composite foams by controlling the size and dispersed state of NaCl particles during CO2 batch foaming process. Polymer, 2020, 194, 122406.	3.8	13
36	Synthesis and Characterization of Polypropylene-Based Polyurethanes. Macromolecules, 2020, 53, 3349-3357.	4.8	18

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37	Transforming polystyrene waste into 3D hierarchically porous carbon for high-performance supercapacitors. Chemosphere, 2020, 253, 126755.	8.2	81
38	Molten salts promoting the â€œcontrolled carbonizationâ€•of waste polyesters into hierarchically porous carbon for high-performance solar steam evaporation. Journal of Materials Chemistry A, 2019, 7, 22912-22923.	10.3	113
39	Sustainable polylysine conversion to nitrogenâ€•containing porous carbon flakes: Potential application in supercapacitors. Journal of Applied Polymer Science, 2019, 136, 48214.	2.6	14
40	Well-Designed Porous Graphene Flakes for Lithium-Ion Batteries with Outstanding Rate Performance. Langmuir, 2019, 35, 12613-12619.	3.5	15
41	Large-Scale and Low-Cost Motivation of Nitrogen-Doped Commercial Activated Carbon for High-Energy-Density Supercapacitor. ACS Applied Energy Materials, 2019, 2, 4234-4243.	5.1	41
42	Multifunctional nitrogen-doped nanoporous carbons derived from metalâ€“organic frameworks for efficient CO₂ storage and high-performance lithium-ion batteries. New Journal of Chemistry, 2019, 43, 10405-10412.	2.8	12
43	Selective Synthesis of Magnetite Nanospheres with Controllable Morphologies on CNTs and Application to Lithiumâ€•Ion Batteries. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800924.	1.8	7
44	Recent progress in controlled carbonization of (waste) polymers. Progress in Polymer Science, 2019, 94, 1-32.	24.7	217
45	Formation of ultra-small Mn3O4 nanoparticles trapped in nanochannels of hollow carbon spheres by nanoconfinement with excellent supercapacitor performance. International Journal of Hydrogen Energy, 2019, 44, 13675-13683.	7.1	17
46	Mass production of hierarchically porous carbon nanosheets by carbonizing â€œreal-worldâ€•mixed waste plastics toward excellent-performance supercapacitors. Waste Management, 2019, 87, 691-700.	7.4	76
47	Nitrogen-doped porous carbon embedded with cobalt nanoparticles for excellent oxygen reduction reaction. Journal of Colloid and Interface Science, 2019, 546, 344-350.	9.4	21
48	The catalytic cleavage of carbon-carbon double bond in polychloroprene induced by Schwartz's reagent via chlorine self-assisted Î²-alkyl elimination mechanism. Polymer, 2019, 170, 24-30.	3.8	5
49	Cp2ZrHCl induced catalytic chain scission of diene-based polymers under mild conditions: Influence of chemical environment around C=C bonds. Polymer, 2019, 161, 181-189.	3.8	10
50	Selective preparation of biomass-derived porous carbon with controllable pore sizes toward highly efficient CO2 capture. Chemical Engineering Journal, 2019, 360, 250-259.	12.7	172
51	From polystyrene waste to porous carbon flake and potential application in supercapacitor. Waste Management, 2019, 85, 333-340.	7.4	80
52	Biomass-derived robust three-dimensional porous carbon for high volumetric performance supercapacitors. Journal of Power Sources, 2019, 412, 1-9.	7.8	150
53	Pressurized carbonization of mixed plastics into porous carbon sheets on magnesium oxide. RSC Advances, 2018, 8, 2469-2476.	3.6	28
54	Hierarchical structure and properties of rigid PVC foam crosslinked by the reaction between anhydride and diisocyanate. Journal of Applied Polymer Science, 2018, 135, 46141.	2.6	19

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55	Hierarchical porous carbon materials from nanosized metal-organic complex for high-performance symmetrical supercapacitor. Electrochimica Acta, 2018, 269, 580-589.	5.2	47
56	Synthesis and Characterization of Butyl Acrylate-based Graft Polymers with Thermo-responsive Branching Sites via the Diels-Alder Reaction of Furan/Maleimide. Chinese Journal of Polymer Science (English Edition), 2018, 36, 1011-1018.	3.8	8
57	Synthesis and Properties of SEPS-g-PEO Copolymers with Varying Branch Lengths. Chinese Journal of Polymer Science (English Edition), 2018, 36, 934-942.	3.8	3
58	Degradation of anhydride-cured epoxy resin using simultaneously recyclable solvent and organic base catalyst. Journal of Material Cycles and Waste Management, 2018, 20, 568-577.	3.0	13
59	Synthesis of Polylysine/Silica Hybrids through Branched-Polylysine-Mediated Biosilicification. ACS Omega, 2018, 3, 17573-17580.	3.5	7
60	In-situ cooling of adsorbed water to control cellular structure of polypropylene composite foam during CO2 batch foaming process. Polymer, 2018, 155, 116-128.	3.8	31
61	A novel stiffener skeleton strategy in catalytic carbonization system with enhanced carbon layer structure and improved fire retardancy. Composites Science and Technology, 2018, 164, 82-91.	7.8	37
62	Novel Method for Preparing Auxetic Foam from Closed-Cell Polymer Foam Based on the Steam Penetration and Condensation Process. ACS Applied Materials & Interfaces, 2018, 10, 22669-22677.	8.0	44
63	Sequence and Regularity Controlled Coordination Copolymerization of Butadiene and Styrene: Strategy and Mechanism. Macromolecules, 2017, 50, 849-856.	4.8	35
64	â€œOneâ€potâ€•synthesis of crosslinked siliconeâ€containing macromolecular charring agent and its synergistic flame retardant poly(<scp>l</scp>â€lactic acid) with ammonium polyphosphate. Polymers for Advanced Technologies, 2017, 28, 1409-1417.	3.2	17
65	Hydrozirconated styrene copolymer as a macroinitiator to in situ synthesize polyethylene/polystyrene-g-polyethylene alloy via coordination polymerization. Polymer, 2017, 112, 201-207.	3.8	1
66	Porous nanopeapod Pd catalyst with excellent stability and efficiency. Chemical Communications, 2017, 53, 740-742.	4.1	10
67	Insight into the influence of OA-Fe3O4 nanoparticles on the morphology and scCO2 batch-foaming behavior of cocontinuous LLDPE/PS immiscible blends at semi-solid state. Polymer, 2017, 129, 169-178.	3.8	13
68	Facile synthesis of porous iron oxide/graphene hybrid nanocomposites and potential application in electrochemical energy storage. New Journal of Chemistry, 2017, 41, 13553-13559.	2.8	21
69	Synthesis and structureâ€“property relationships of SIS-g-PB copolymers and their application in hot-melt pressure-sensitive adhesives. RSC Advances, 2017, 7, 44068-44075.	3.6	2
70	Effect of iron oxide impregnated in hollow carbon sphere as symmetric supercapacitors. Journal of Alloys and Compounds, 2017, 726, 466-473.	5.5	23
71	Simultaneously improving the mechanical properties and flame retardancy of polypropylene using functionalized carbon nanotubes by covalently wrapping flame retardants followed by linking polypropylene. Materials Chemistry Frontiers, 2017, 1, 716-726.	5.9	30
72	Effect of particle size on the flame retardancy of poly(butylene succinate)/Mg(OH)₂ composites. Fire and Materials, 2016, 40, 1090-1096.	2.0	24

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73	Stereo- and Temporally Controlled Coordination Polymerization Triggered by Alternating Addition of a Lewis Acid and Base. Angewandte Chemie, 2016, 128, 12154-12157.	2.0	14
74	Stereo- and Temporally Controlled Coordination Polymerization Triggered by Alternating Addition of a Lewis Acid and Base. Angewandte Chemie - International Edition, 2016, 55, 11975-11978.	13.8	35
75	Synthesis of polystyrene-based Y-shaped asymmetric star by the combination of ATRP/RAFT and its thermal and rheological properties. RSC Advances, 2016, 6, 106648-106655.	3.6	9
76	Controllable Synthesis of 3D Hollowâ€Carbonâ€Spheres/Grapheneâ€Flake Hybrid Nanostructures from Polymer Nanocomposite by Selfâ€Assembly and Feasibility for Lithiumâ€Ion Batteries. Particle and Particle Systems Characterization, 2015, 32, 874-879.	2.3	18
77	Highly efficient synthesis and characterization of multiarm and miktoarm star-long-branched polymers via click chemistry. RSC Advances, 2015, 5, 34466-34474.	3.6	3
78	Conversion of polystyrene into porous carbon sheets and hollow carbon shells over different magnesium oxide templates for efficient removal of methylene blue. RSC Advances, 2015, 5, 105047-105056.	3.6	26
79	The effect of particle shape on the structure and rheological properties of carbon-based particle suspensions. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1550-1561.	3.8	13
80	Poly(vinyl alcohol)/GO-MMT nanocomposites: Preparation, structure and properties. Chinese Journal of Polymer Science (English Edition), 2015, 33, 329-338.	3.8	20
81	Study of the effect of nanosized carbon black on flammability and mechanical properties of poly(butylene succinate). Polymers for Advanced Technologies, 2015, 26, 128-135.	3.2	21
82	A facile approach to prepare porous cup-stacked carbon nanotube with high performance in adsorption of methylene blue. Journal of Colloid and Interface Science, 2015, 445, 195-204.	9.4	74
83	Impact of particle surface chemistry on the structure and rheological properties of graphene-based particle/polydimethylsiloxane composites. RSC Advances, 2015, 5, 34885-34893.	3.6	7
84	A novel high performance oxazine derivative: design of tetrafunctional monomer, step-wise ring-opening polymerization, improved thermal property and broadened processing window. RSC Advances, 2015, 5, 33623-33631.	3.6	19
85	Interplay between the composition of LLDPE/PS blends and their compatibilization with polyethylene-graft-polystyrene in the foaming behaviour. RSC Advances, 2015, 5, 27181-27189.	3.6	24
86	Flammability properties and electromagnetic interference shielding of PVC/graphene composites containing Fe₃O₄ nanoparticles. RSC Advances, 2015, 5, 31910-31919.	3.6	95
87	Nanostructure and Linear Rheological Response of Comb-like Copolymer PSVS-g-PE Melts: Influences of Branching Densities and Branching Chain Length. Macromolecules, 2015, 48, 7640-7648.	4.8	21
88	Synergistic effect of carbon fibers and carbon nanotubes on improving thermal stability and flame retardancy of polypropylene: a combination of a physical network and chemical crosslinking. RSC Advances, 2015, 5, 5484-5493.	3.6	12
89	Converting real-world mixed waste plastics into porous carbon nanosheets with excellent performance in the adsorption of an organic dye from wastewater. Journal of Materials Chemistry A, 2015, 3, 341-351.	10.3	156
90	New insights into the role of lattice oxygen in the catalytic carbonization of polypropylene into high value-added carbon nanomaterials. New Journal of Chemistry, 2015, 39, 962-971.	2.8	8

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91	Flow-induced structure and rheological properties of multiwall carbon nanotube/polydimethylsiloxane composites. RSC Advances, 2014, 4, 62759-62768.	3.6	13
92	Rigid cross-linked PVC foams with high shear properties: The relationship between mechanical properties and chemical structure of the matrix. Composites Science and Technology, 2014, 97, 74-80.	7.8	30
93	Morphological evolution and properties of thermoplastic vulcanizate/organoclay nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	2.6	1
94	Effects of branches on the crystallization kinetics of polypropylene-g-polystyrene and polypropylene-g-Poly(n-butyl acrylate) graft copolymers with well-defined molecular structures. Chinese Journal of Polymer Science (English Edition), 2014, 32, 333-349.	3.8	9
95	Preparation and chemical reactions of rigid crossâ€linked poly(vinyl chloride) foams modified by epoxy compounds. Journal of Applied Polymer Science, 2014, 131, .	2.6	11
96	Synthesis and rheological investigation of model symmetric 3-arm star polyethylene. Chinese Journal of Polymer Science (English Edition), 2014, 32, 51-63.	3.8	13
97	Simultaneously improving the thermal stability, flame retardancy and mechanical properties of polyethylene by the combination of graphene with carbon black. RSC Advances, 2014, 4, 33776-33784.	3.6	28
98	Synthesis and characterization of a novel organophosphorus oligomer and its application in improving flame retardancy of epoxy resin. RSC Advances, 2014, 4, 17607-17614.	3.6	55
99	Relationship between branch length and the compatibilizing effect of polypropyleneâ€‹gâ€polystyrene graft copolymer on polypropylene/polystyrene blends. Journal of Applied Polymer Science, 2014, 131, .	2.6	6
100	Sustainable Conversion of Mixed Plastics into Porous Carbon Nanosheets with High Performances in Uptake of Carbon Dioxide and Storage of Hydrogen. ACS Sustainable Chemistry and Engineering, 2014, 2, 2837-2844.	6.7	103
101	One-pot synthesis of core/shell Co@C spheres by catalytic carbonization of mixed plastics and their application in the photo-degradation of Congo red. Journal of Materials Chemistry A, 2014, 2, 7461-7470.	10.3	41
102	Striking influence of NiO catalyst diameter on the carbonization of polypropylene into carbon nanomaterials and their high performance in the adsorption of oils. RSC Advances, 2014, 4, 33806-33814.	3.6	28
103	Combined effects between activating group Z and leaving group R in dithiocarbamates for controlling degradation and branching reactions of polypropylene. Polymer, 2014, 55, 5435-5444.	3.8	5
104	Upcycling Waste Polypropylene into Graphene Flakes on Organically Modified Montmorillonite. Industrial & Engineering Chemistry Research, 2014, 53, 4173-4181.	3.7	97
105	Synergetic effect of epoxy resin and maleic anhydride grafted polypropylene on improving mechanical properties of polypropylene/short carbon fiber composites. Composites Part A: Applied Science and Manufacturing, 2014, 67, 212-220.	7.6	50
106	Microstructure characterization of short-chain branching polyethylene with differential scanning calorimetry and successive selfnucleation/annealing thermal fractionation. Chinese Journal of Polymer Science (English Edition), 2014, 32, 751-757.	3.8	7
107	Synthesis of star-like polybutadienes by a combination of living anionic polymerization and â€œclickâ€• coupling method. Chinese Journal of Polymer Science (English Edition), 2014, 32, 731-742.	3.8	4
108	Nanosized Carbon Black Combined with Ni₂O₃ as â€œUniversalâ€•Catalysts for Synergistically Catalyzing Carbonization of Polyolefin Wastes to Synthesize Carbon Nanotubes and Application for Supercapacitors. Environmental Science & Technology, 2014, 48, 4048-4055.	10.0	82

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109	Catalytic carbonization of polypropylene into cup-stacked carbon nanotubes with high performances in adsorption of heavy metallic ions and organic dyes. Chemical Engineering Journal, 2014, 248, 27-40.	12.7	71
110	Striking influence of chain structure of polyethylene on the formation of cup-stacked carbon nanotubes/carbon nanofibers under the combined catalysis of CuBr and NiO. Applied Catalysis B: Environmental, 2014, 147, 592-601.	20.2	60
111	Converting mixed plastics into mesoporous hollow carbon spheres with controllable diameter. Applied Catalysis B: Environmental, 2014, 152-153, 289-299.	20.2	65
112	Effect of fullerene C₆₀ on the melt grafting reaction between multifunctional monomer and polypropylene. Journal of Applied Polymer Science, 2013, 127, 1394-1402.	2.6	7
113	Synthesis of well-defined long chain branched polyethylene via anionic polymerization combined with graft-onto method. Chemical Research in Chinese Universities, 2013, 29, 589-595.	2.6	1
114	Preparation and characterization of long chain branched polypropylene mediated by different heteroaromatic ring derivatives. Polymer, 2013, 54, 639-651.	3.8	17
115	In situ ethylene copolymerization with an olefin-type monomer for one-pot synthesis of polyethylene tethered on multi-walled carbon nanotubes. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1329-1333.	3.8	6
116	Synthesis and characterization of a novel organophosphorus flame retardant and its application in polypropylene. Polymers for Advanced Technologies, 2013, 24, 653-659.	3.2	25
117	Melt viscosity behavior of C60 containing star polystyrene composites. Soft Matter, 2013, 9, 6282.	2.7	26
118	Controlled Chainâ€Scission of Polybutadiene by the Schwartz Hydrozirconation. Chemistry - A European Journal, 2013, 19, 541-548.	3.3	20
119	A comparative study of polyethylene and polyethylene/C₆₀ nanocomposites modified with organic peroxide. Journal of Applied Polymer Science, 2013, 129, 371-382.	2.6	4
120	Striking influence of Fe2O3 on the â€œcatalytic carbonizationâ€•of chlorinated poly(vinyl chloride) into carbon microspheres with high performance in the photo-degradation of Congo red. Journal of Materials Chemistry A, 2013, 1, 5247.	10.3	69
121	Synthesis and characterization of random or gradient butadiene-p-methylstyrene copolymers via anionic polymerization. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1647-1659.	3.8	6
122	Striking Influence about HZSM-5 Content and Nickel Catalyst on Catalytic Carbonization of Polypropylene and Polyethylene into Carbon Nanomaterials. Industrial & Engineering Chemistry Research, 2013, 52, 15578-15588.	3.7	17
123	Catalytic Carbonization of Chlorinated Poly(vinyl chloride) Microfibers into Carbon Microfibers with High Performance in the Photodegradation of Congo Red. Journal of Physical Chemistry C, 2013, 117, 17016-17023.	3.1	23
124	Effect of nanosized carbon black on thermal stability and flame retardancy of polypropylene/carbon nanotubes nanocomposites. Polymers for Advanced Technologies, 2013, 24, 971-977.	3.2	35
125	Synthesis of wellâ€defined combâ€like graft (co)polymers by nucleophilic substitution reaction between living polymers and polyhalohydrocarbon. Journal of Polymer Science Part A, 2013, 51, 1664-1671.	2.3	10
126	Catalyzing carbonization of poly(l-lactide) by nanosized carbon black combined with Ni2O3 for improving flame retardancy. Journal of Materials Chemistry, 2012, 22, 19974.	6.7	83

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127	Promoting the responsive ability of carbon nanotubes to an external stress field in a polypropylene matrix: A synergistic effect of the physical interaction and chemical linking. Journal of Materials Chemistry, 2012, 22, 3930.	6.7	6
128	Synthesis of Diverse Well-Defined Functional Polymers Based on Hydrozirconation and Subsequent Anti-Markovnikov Halogenation of 1,2-Polybutadiene. Macromolecules, 2012, 45, 1190-1197.	4.8	28
129	Morphological Changes of Linear, Branched Polyethylenes and their Blends during Crystallization and Subsequent Melting by Synchrotron SAXS and DSC. Macromolecular Symposia, 2012, 312, 51-62.	0.7	7
130	The rheological, thermostable, and mechanical properties of polypropylene/fullerene C₆₀ nanocomposites with improved interfacial interaction. Polymer Engineering and Science, 2012, 52, 1457-1463.	3.1	12
131	Characterization of high melt strength propylene/1â€butene copolymer synthesized by in situ heat induction melt reaction. Journal of Applied Polymer Science, 2012, 125, 2724-2731.	2.6	9
132	Effect of Cl/Ni molar ratio on the catalytic conversion of polypropylene into Cuâ€“Ni/C composites and their application in catalyzing â€œClickâ€•reaction. Applied Catalysis B: Environmental, 2012, 117-118, 185-193.	20.2	67
133	CVD generated mesoporous hollow carbon spheres as supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 396, 246-250.	4.7	68
134	Effect of leaving group in dithiocarbamates on mediating melt radical reaction during preparing long chain branched polypropylene. Polymer, 2012, 53, 947-955.	3.8	15
135	Dependence of microstructures and melt behaviour of polypropylene/fullerene C60 nanocomposites on in situ interfacial reaction. Soft Matter, 2011, 7, 5290.	2.7	19
136	Synthesis and Structureâ€“Property Relationships of Polypropylene-g-poly(ethylene-co-1-butene) Graft Copolymers with Well-Defined Long Chain Branched Molecular Structures. Macromolecules, 2011, 44, 4167-4179.	4.8	49
137	Synthesis, Growth Mechanism, and Electrochemical Properties of Hollow Mesoporous Carbon Spheres with Controlled Diameter. Journal of Physical Chemistry C, 2011, 115, 17717-17724.	3.1	125
138	Bilirubin adsorption on amine/methyl bifunctionalized SBA-15 with platelet morphology. Colloids and Surfaces B: Biointerfaces, 2011, 84, 571-578.	5.0	29
139	Effects of amino groups and microstructure of organic mesoporous silica supported metallocene catalysts on ethylene polymerization. Chinese Journal of Polymer Science (English Edition), 2010, 28, 93-100.	3.8	3
140	Synthesis and characterization of a novel covalently functionalized organoclay and its polypropylene nanocomposite. Journal of Applied Polymer Science, 2010, 115, 1105-1112.	2.6	6
141	Structure and properties of high melt strength polypropylene prepared by combined method of blending and crosslinking. Journal of Applied Polymer Science, 2010, 116, 1739-1746.	2.6	18
142	The role of polymerizable organophilic clay during preparing polyethylene nanocomposite via filling polymerization. Journal of Applied Polymer Science, 2010, 117, 1646-1657.	2.6	1
143	Controlling melt reactions during preparing long chain branched polypropylene using copper N,N-dimethyldithiocarbamate. Polymer, 2010, 51, 1593-1598.	3.8	45
144	Macromolecular brushes synthesized by â€œgrafting fromâ€•approach based on â€œclick chemistryâ€•and RAFT polymerization. Journal of Polymer Science Part A, 2010, 48, 443-453.	2.3	82

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145	Structure and properties of multiâ€walled carbon nanotubes/polyethylene nanocomposites synthesized by in situ polymerization with supported Cp₂ZrCl₂ catalyst. Polymer Composites, 2010, 31, 507-515.	4.6	20
146	Exfoliation of organically modified montmorillonite driven by molecular diffusion in maleated polypropylene. Journal of Applied Polymer Science, 2009, 113, 678-684.	2.6	5
147	Combination of Carbon Nanotubes with Ni₂O₃ for Simultaneously Improving the Flame Retardancy and Mechanical Properties of Polyethylene. Journal of Physical Chemistry C, 2009, 113, 13092-13097.	3.1	35
148	Styrene polymerization catalyzed by metal porphyrin complex/MAO for in situ synthesizing polystyrene containing air stable Ï€ cation radicals. Journal of Polymer Science Part A, 2008, 46, 1240-1248.	2.3	11
149	Strengthening Carbon Deposition of Polyolefin Using Combined Catalyst as a General Method for Improving Fire Retardancy. Macromolecular Rapid Communications, 2008, 29, 789-793.	3.9	40
150	Characterization of high melt strength polypropylene synthesized via silane grafting initiated by in situ heat induction reaction. Journal of Applied Polymer Science, 2008, 110, 3727-3732.	2.6	21
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