

Guo-Hua Hu

List of Publications by Year in descending order

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274
papers

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times ranked

9377
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#	ARTICLE	IF	CITATIONS
1	A kinetic modeling framework for the peroxide-initiated radical polymerization of styrene in the presence of rubber particles from recycled tires. <i>Chemical Engineering Science</i> , 2022, 248, 117137.	3.8	9
2	Current trends in bio-based elastomer materials. <i>SusMat</i> , 2022, 2, 2-33.	14.9	40
3	Recent advances in superhydrophobic polyurethane: Preparations and applications. <i>Advances in Colloid and Interface Science</i> , 2022, 303, 102644.	14.7	51
4	Porous cellulose composite aerogel films with super piezoelectric properties for energy harvesting. <i>Carbohydrate Polymers</i> , 2022, 288, 119407.	10.2	45
5	Design of a Superhydrophobic Strain Sensor with a Multilayer Structure for Human Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1874-1884.	8.0	37
6	Radical bulk polymerization of styrene in the presence of rubber particles from recycled tires: a kinetic study using DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3073-3084.	3.6	3
7	Recent advances in cellulose-based piezoelectric and triboelectric nanogenerators for energy harvesting: a review. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1910-1937.	10.3	168
8	Intensification of Polymerization Processes by Reactive Extrusion. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2791-2806.	3.7	37
9	Electrochemical performances of graphene/poly-3,4-dioxyethylenethiophene aerogels as supercapacitor electrode materials. <i>Ionics</i> , 2021, 27, 3615-3626.	2.4	6
10	High-temperature resistant polyimide-based sandwich-structured dielectric nanocomposite films with enhanced energy density and efficiency. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51268.	2.6	15
11	Novel micro-nano epoxy composites for electronic packaging application: Balance of thermal conductivity and processability. <i>Composites Science and Technology</i> , 2021, 209, 108760.	7.8	68
12	Effect of Stretching on Crystalline Structure, Ferroelectric and Piezoelectric Properties of Solution-Cast Nylon-11 Films. <i>Polymers</i> , 2021, 13, 2037.	4.5	6
13	Effects of shear during injection molding on the anisotropic microstructure and properties of EPDM/PP TPV containing rubber nanoparticle agglomerates. <i>Polymer</i> , 2021, 229, 124008.	3.8	17
14	Numerical simulation of the hydrodynamics of yield stress fluids during dip coating. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 298, 104675.	2.4	2
15	Grafting of Isobutylene-Isoprene Rubber with Glycidyl Methacrylate and Its Reactive Compatibilization Effect on Isobutylene-Isoprene Rubber/Polyamides 12 Blends. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 16258-16266.	3.7	13
16	Constructing enhanced pseudocapacitive Li ⁺ intercalation via multiple ionically bonded interfaces toward advanced lithium storage. <i>Energy Storage Materials</i> , 2020, 24, 138-146.	18.0	30
17	Synthesis and characterization of a liquid-like polythiophene and its potential applications. <i>Synthetic Metals</i> , 2020, 270, 116603.	3.9	9
18	Multilayer assembly of electrospun/electrosprayed PVDF-based nanofibers and beads with enhanced piezoelectricity and high sensitivity. <i>Chemical Engineering Journal</i> , 2020, 388, 124205.	12.7	72

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19	Necklace-like ferroferric oxide (Fe ₃ O ₄) nanoparticle/carbon nanofibril aerogels with enhanced lithium storage by carbonization of ferric alginate. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 119-126.	9.4	21
20	Nonlinear and linear viscoelastic behaviors of thermoplastic vulcanizates containing rubber nanoparticle agglomerates. <i>Polymer</i> , 2019, 181, 121793.	3.8	12
21	Influence of devulcanization and reulcanization of ground tire rubber in dynamic mechanical properties of blends ground tire rubber/high density polyethylene. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
22	Fe ³⁺ Cross-Linked Polyaniline/Cellulose Nanofibril Hydrogels for High-Performance Flexible Solid-State Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17653-17660.	6.7	51
23	Simultaneously improved dielectric and mechanical properties of silicone elastomer by designing a dual crosslinking network. <i>Polymer Chemistry</i> , 2019, 10, 633-645.	3.9	51
24	Flexible Cellulose/BaTiO ₃ Nanocomposites with High Energy Density for Film Dielectric Capacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10641-10648.	6.7	64
25	Synthesis and characterization of waterborne polyurethane/polyhedral oligomeric silsesquioxane composites with low dielectric constants. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2313-2320.	3.2	20
26	Grafting of Styrene on Ground Tire Rubber Particles in a Batch Polymerization Reactor: Dynamic Real-Time Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13622-13627.	3.7	1
27	Enhanced piezoelectricity of a PVDF-based nanocomposite utilizing high-yield dispersions of exfoliated few-layer MoS ₂ . <i>Ceramics International</i> , 2019, 45, 11347-11352.	4.8	39
28	A solvent-less green synthetic route toward a sustainable bio-based elastomer: design, synthesis, and characterization of poly(dibutyl itaconate-co-butadiene). <i>Polymer Chemistry</i> , 2019, 10, 6131-6144.	3.9	19
29	TEMPO-oxidized cellulose nanofibril/layered double hydroxide nanocomposite films with improved hydrophobicity, flame retardancy and mechanical properties. <i>Composites Science and Technology</i> , 2019, 171, 111-117.	7.8	45
30	Flexible Regenerated Cellulose/Boron Nitride Nanosheet High-Temperature Dielectric Nanocomposite Films with High Energy Density and Breakdown Strength. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7151-7158.	6.7	121
31	Enhanced dielectric property and energy storage density of PVDF-HFP based dielectric composites by incorporation of silver nanoparticles-decorated exfoliated montmorillonite nanoplatelets. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 108, 62-68.	7.6	98
32	Characterization and Finite Element Analysis of the Tensile Behavior of Electrospun Polymer Single Fibers. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700593.	3.6	1
33	In situ growth of 1T-MoS ₂ on liquid-exfoliated graphene: A unique graphene-like heterostructure for superior lithium storage. <i>Carbon</i> , 2018, 133, 162-169.	10.3	45
34	Effects of superplasticisers on hydration process, structure and properties of α -hemihydrate calcium sulfate. <i>Advances in Cement Research</i> , 2018, 30, 37-44.	1.6	8
35	Preparation, microstructure, and microstructure-properties relationship of thermoplastic vulcanizates (TPVs): A review. <i>Progress in Polymer Science</i> , 2018, 79, 61-97.	24.7	158
36	Structure design, fabrication and property investigation of water-based polyesters with notable surface hydrophilicity. <i>New Journal of Chemistry</i> , 2018, 42, 20015-20023.	2.8	4

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37	Significantly Improving Strength and Damping Performance of Nitrile Rubber via Incorporating Sliding Graft Copolymer. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 16692-16700.	3.7	18
38	Experimental implementation of dynamic real-time optimization in a graft polymerization reactor. <i>Computer Aided Chemical Engineering</i> , 2018, , 829-834.	0.5	1
39	Carbon nanotube/zirconia composite-coated separator for a high-performance rechargeable lithium-sulfur battery. <i>AIP Advances</i> , 2018, 8, 105315.	1.3	7
40	Thiokol with Excellent Restriction on the Shuttle Effect in Lithium-Sulfur Batteries. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 79.	2.5	2
41	Preparation and characterization of polyurethane/POSS hybrid aqueous dispersions from mono-amino substituted POSS. <i>Polymer Bulletin</i> , 2017, 74, 517-529.	3.3	10
42	Unique microstructure of an oil resistant nitrile butadiene rubber/polypropylene dynamically vulcanized thermoplastic elastomer. <i>RSC Advances</i> , 2017, 7, 5451-5458.	3.6	32
43	Devulcanization of waste tire rubber by microwaves. <i>Polymer Degradation and Stability</i> , 2017, 138, 169-181.	5.8	119
44	Properties of gel polymer electrolytes based on poly(butyl acrylate) semi-interpenetrating polymeric networks toward Li-ion batteries. <i>Ionics</i> , 2017, 23, 2319-2325.	2.4	10
45	A Novel Method for Preparing Poly(vinyl alcohol) Hydrogels: Preparation, Characterization, and Application. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7971-7976.	3.7	46
46	Critical rubber layer thickness of core-shell particles with a rigid core and a soft shell for toughening of epoxy resins without loss of elastic modulus and strength. <i>Composites Science and Technology</i> , 2017, 153, 253-260.	7.8	33
47	Progress in bio-inspired sacrificial bonds in artificial polymeric materials. <i>Chemical Society Reviews</i> , 2017, 46, 6301-6329.	38.1	157
48	Tensile Property Balanced and Gas Barrier Improved Poly(lactic acid) by Blending with Biobased Poly(butylene 2,5-furan dicarboxylate). <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9244-9253.	6.7	65
49	A novel fluid-filler/polymer composite as high-temperature thermally conductive and electrically insulating material. <i>Composites Science and Technology</i> , 2017, 150, 128-134.	7.8	22
50	Synthesis and investigation of well-defined silane terminated and segmented waterborne hybrid polyurethanes. <i>New Journal of Chemistry</i> , 2017, 41, 9268-9275.	2.8	31
51	Preparation and performance of bio-based carboxylic elastomer/halloysite nanotubes nanocomposites with strong interfacial interaction. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 102, 253-262.	7.6	17
52	Retroreflection in binary bio-based PLA/PBF blends. <i>Polymer</i> , 2017, 125, 138-143.	3.8	20
53	Preparation and Characterization of Polyurethanes with Cross-Linked Siloxane in the Side Chain by Sol-Gel Reactions. <i>Materials</i> , 2017, 10, 247.	2.9	23
54	Effects of Poly(cyclohexanedimethylene terephthalate) on Microstructures, Crystallization Behavior and Properties of the Poly(ester ether) Elastomers. <i>Materials</i> , 2017, 10, 694.	2.9	11

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55	Flexible Carbon Nanotube Modified Separator for High-Performance Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2017, 7, 196.	4.1	38
56	Dynamic Real-time Optimization of a Batch Polymerization Process. <i>Computer Aided Chemical Engineering</i> , 2017, , 1741-1746.	0.5	2
57	Effect of an Organo-Modified Montmorillonite on the Barrier Properties of PET Nanocomposites Using a Polyester Ionomer as a Compatibilizing Agent. <i>Materials Research</i> , 2017, 20, 826-834.	1.3	11
58	Effect of Rubber Nanoparticle Agglomeration on Properties of Thermoplastic Vulcanizates during Dynamic Vulcanization. <i>Polymers</i> , 2016, 8, 127.	4.5	35
59	Concept of reactive compatibilizer-tracer for discovering interfacial reaction and morphology development for in-situ compatibilizing blending processes. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
60	Effects of co-hard segments on the microstructure and properties thermoplastic poly(ether ester) elastomers. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	7
61	Effects of processing parameters on the properties of microwave-devulcanized ground tire rubber/polyethylene dynamically re-vulcanized blends. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	28
62	Microstructure and properties of bromo-isobutylene-isoprene rubber/polyamide 12 thermoplastic vulcanizate toward recyclable inner liners for green tires. <i>RSC Advances</i> , 2016, 6, 30004-30013.	3.6	37
63	Multi-hollow polymer microspheres with enclosed surfaces and compartmentalized voids prepared by seeded swelling polymerization method. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 44-51.	9.4	14
64	Novel heat and oil-resistant thermoplastic vulcanizates based on ethylene-vinyl acetate rubber/poly(vinylidene fluoride). <i>RSC Advances</i> , 2016, 6, 91594-91602.	3.6	29
65	Preparation of open-cell foams from polymer blends by supercritical CO ₂ and their efficient oil-absorbing performance. <i>AIChE Journal</i> , 2016, 62, 4182-4185.	3.6	20
66	A Multiscale Investigation on the Mechanism of Shape Recovery for IPDI to PPDl Hard Segment Substitution in Polyurethane. <i>Macromolecules</i> , 2016, 49, 5931-5944.	4.8	92
67	Synthesis and shape memory property of segmented poly(ester urethane) with poly(butylene) Tj ETQq1 1 0.784314 3.6 BT /Overlock 107	3.6	7
68	Effect of a dual compatibilizer on the formation of co-continuous morphology of immiscible polymer blends. <i>Materials and Design</i> , 2016, 107, 171-177.	7.0	35
69	Properties and unique morphological evolution of dynamically vulcanized bromo-isobutylene-isoprene rubber/polypropylene thermoplastic elastomer. <i>RSC Advances</i> , 2016, 6, 11151-11160.	3.6	38
70	Tensile and impact properties of microcellular isotactic polypropylene (PP) foams obtained by supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2016, 111, 63-73.	3.2	109
71	Preparation of open-cell polymer foams by CO ₂ assisted foaming of polymer blends. <i>Polymer</i> , 2016, 90, 331-341.	3.8	62
72	Reactive compatibilizer-tracer: A powerful tool for designing, scaling up and optimizing reactive blending processes. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0

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73	Soft segment free thermoplastic polyester elastomers with high performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13637-13641.	10.3	36
74	Remarkably variable dielectric and magnetic properties of poly(vinylidene fluoride) nanocomposite films with triple-layer structure. <i>Composites Science and Technology</i> , 2015, 107, 107-112.	7.8	17
75	Graphene/Polymer Nanocomposites with High Dielectric Performance: Interface Engineering. , 2015, , 49-65.		6
76	Preparation and Properties of Ion-Imprinted Hollow Particles for the Selective Adsorption of Silver Ions. <i>Langmuir</i> , 2015, 31, 1376-1384.	3.5	69
77	Development of a Reactive Compatibilizer-Tracer for Studying Reactive Polymer Blends in a Twin-Screw Extruder. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 10698-10706.	3.7	23
78	Effect of mold temperature on the structures and mechanical properties of micro-injection molded polypropylene. <i>Materials and Design</i> , 2015, 88, 245-251.	7.0	37
79	Mechanistic Origin of Chemoselectivity in Thiolate-Catalyzed Tishchenko Reactions. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3472-3481.	3.3	5
80	Synthesis and dielectric properties of novel liquid crystalline triblock copolymers with cyanobiphenyl moieties and poly(<i>n</i> -butyl acrylate) segments. <i>Polymers for Advanced Technologies</i> , 2014, 25, 920-926.	3.2	5
81	Synthesis of polypropylene-grafted graphene and its compatibilization effect on polypropylene/polystyrene blends. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	14
82	Quantum-Chemical Predictions of ρ -K _a 's of Thiols in DMSO. <i>Journal of Physical Chemistry A</i> , 2014, 118, 606-622.	2.5	50
83	Synthesis, nanostructures and dielectric properties of novel liquid crystalline block copolymers. <i>Polymer Chemistry</i> , 2014, 5, 2513.	3.9	22
84	Preparation, Characterization, and Properties of Hollow Janus Particles with Tailored Shapes. <i>Langmuir</i> , 2014, 30, 1741-1747.	3.5	20
85	Ethylene-Propylene Segmented Copolymer as an in Situ Compatibilizer for Impact Polypropylene Copolymer: An Assessment of Rheology and Morphology. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11345-11354.	3.7	9
86	Interfacial engineering of polypropylene/graphene nanocomposites: improvement of graphene dispersion by using tryptophan as a stabilizer. <i>RSC Advances</i> , 2014, 4, 8799.	3.6	36
87	<i>In situ</i> thermal reduction of graphene oxide in a styrene-ethylene/butylene-styrene triblock copolymer via melt blending. <i>Polymer International</i> , 2014, 63, 93-99.	3.1	41
88	Advanced dielectric polymer nanocomposites by constructing a ternary continuous structure in polymer blends containing poly(methyl methacrylate) (PMMA) modified carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10614.	10.3	50
89	A hybrid Mg-Al layered double hydroxide/graphene nanostructure obtained via hydrothermal synthesis. <i>Chemical Physics Letters</i> , 2014, 605-606, 77-80.	2.6	31
90	Effect of the selective localization of carbon nanotubes in polystyrene/poly(vinylidene fluoride) blends on their dielectric, thermal, and mechanical properties. <i>Materials & Design</i> , 2014, 56, 807-815.	5.1	89

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91	Composition dependence of dielectric properties, elastic modulus, and electroactivity in (carbon) Tj ETQq1 1 0.784314 rgBT /Overlock 127, 4440-4445.	2.6	41
92	Improved Thermal Conductivity and Flame Retardancy in Polystyrene/Poly(vinylidene fluoride) Blends by Controlling Selective Localization and Surface Modification of SiC Nanoparticles. ACS Applied Materials & Interfaces, 2013, 5, 6915-6924.	8.0	153
93	High thermal conductivity and high electrical resistivity of poly(vinylidene fluoride)/polystyrene blends by controlling the localization of hybrid fillers. Composites Science and Technology, 2013, 89, 142-148.	7.8	115
94	Surface-related emissions and ferromagnetism in undoped ZnO nanorods. Superlattices and Microstructures, 2013, 64, 375-387.	3.1	9
95	An atmosphere-switching polymerization process: A novel strategy to advanced polyolefin materials. AICHE Journal, 2013, 59, 4468-4473.	3.6	8
96	A reactive extrusion process for the free radical grafting of silanes onto polypropylene: Effects of processing conditions and properties of water cross-linked silane-grafted polypropylene. Polymer Engineering and Science, 2013, 53, 1571-1581.	3.1	6
97	Dielectric properties of reduced graphene oxide/polypropylene composites with ultralow percolation threshold. Polymer, 2013, 54, 1916-1922.	3.8	204
98	Structural, optical and magnetic properties of Co-doped ZnO nanorods prepared by hydrothermal method. Journal of Alloys and Compounds, 2013, 576, 59-65.	5.5	67
99	Triple Shape Memory Effects of Cross-Linked Polyethylene/Polypropylene Blends with Cocontinuous Architecture. ACS Applied Materials & Interfaces, 2013, 5, 5550-5556.	8.0	136
100	Synthesis of poly(butyl acrylate)-laponite nanocomposite nanoparticles for improving the impact strength of poly(lactic acid). Journal of Applied Polymer Science, 2013, 129, 2580-2590.	2.6	10
101	Effect of agitation on the fluidization behavior of a gas-solid fluidized bed with a frame impeller. AICHE Journal, 2013, 59, 1066-1074.	3.6	26
102	Preparation and electro-optical properties of polymer dispersed liquid crystal films with relatively low liquid crystal content. Polymers for Advanced Technologies, 2013, 24, 453-459.	3.2	38
103	Preparation and characterization of surface modified silicon carbide/polystyrene nanocomposites. Journal of Applied Polymer Science, 2013, 130, 638-644.	2.6	36
104	Effect of the Mixing on the Dielectric Constant of Poly(vinylidene fluoride)/Isotactic Polypropylene Blends. Science of Advanced Materials, 2013, 5, 505-511.	0.7	17
105	Preparation process and properties of exfoliated graphite nanoplatelets filled Bisphthalonitrile nanocomposites. Journal of Physics and Chemistry of Solids, 2012, 73, 1335-1341.	4.0	13
106	Effects of Switching Frequency of a Periodic Switching Polymerization Process on the Microstructures of Ethylene-Propylene Copolymers in Polypropylene/Poly(ethylene-co-propylene) in-Reactor Alloys. Industrial & Engineering Chemistry Research, 2012, 51, 2257-2270.	3.7	25
107	A dissipative particle dynamics study on the compatibilizing process of immiscible polymer blends with graft copolymers. Polymer, 2012, 53, 4448-4454.	3.8	22
108	Oriented foaming of polystyrene with supercritical carbon dioxide for toughening. Polymer, 2012, 53, 5982-5993.	3.8	70

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109	Homogeneous Fluidization of Geldart D Particles in a Gas-Solid Fluidized Bed with a Frame Impeller. Industrial & Engineering Chemistry Research, 2012, 51, 16482-16487.	3.7	14
110	Improved Dielectric Properties of Nanocomposites Based on Poly(vinylidene fluoride) and Poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.0	277
111	Tracer-compatible compatibilizer: Synthesis and applications in polymer blending processes. Polymer Engineering and Science, 2012, 52, 300-308.	3.1	11
112	The role of filler network in nonlinear viscoelastic behavior of vapor grown carbon nanofiber filled polystyrene: A strain dependent rheological behavior and electrical conductivity study. Polymer Engineering and Science, 2012, 52, 643-648.	3.1	5
113	Rheological and electrical percolation thresholds of carbon nanotube/polymer nanocomposites. Polymer Engineering and Science, 2012, 52, 2173-2181.	3.1	79
114	Compatibilizer-tracer: A powerful concept for polymer blending processes. AIChE Journal, 2012, 58, 1921-1928.	3.6	20
115	Modeling and simulation of polypropylene particle size distribution in industrial horizontal stirred bed reactors. Journal of Applied Polymer Science, 2012, 125, 2668-2679.	2.6	7
116	Copper particles/epoxy resin thermosetting conductive adhesive using polyamide resin as curing agent. Journal of Applied Polymer Science, 2012, 126, 815-821.	2.6	25
117	Molecular simulation on relationship between composition and microstructure of PP/PC blend. Journal of Applied Polymer Science, 2012, 126, 1165-1173.	2.6	5
118	Surface treatment of new type aluminum lithium alloy and fatigue crack behaviors of this alloy plate bonded with Ti-6Al-4V alloy strap. Materials & Design, 2012, 35, 725-730.	5.1	10
119	Fundamentals, processes and applications of high-permittivity polymer matrix composites. Progress in Materials Science, 2012, 57, 660-723.	32.8	1,467
120	Electromagnetic, microwave-absorbing properties of iron-phthalocyanine and its composites based on phthalocyanine polymer. Journal of Materials Science, 2012, 47, 4473-4480.	3.7	10
121	Carbon Dioxide Induced Crystallization for Toughening Polypropylene. Industrial & Engineering Chemistry Research, 2011, 50, 9632-9641.	3.7	26
122	Periodic Switching of Monomer Additions for Controlling the Compositions and Microstructures of Segmented and Random Ethylene-Propylene Copolymers in Polypropylene in-Reactor Alloys. Industrial & Engineering Chemistry Research, 2011, 50, 5992-5999.	3.7	37
123	Supercritical Carbon Dioxide Induced Foaming of Highly Oriented Isotactic Polypropylene. Industrial & Engineering Chemistry Research, 2011, 50, 13387-13395.	3.7	41
124	Synthesis and characterization of novel aliphatic amine-containing dimethacrylate cross-linkers and their use in UV-curable resin systems. Polymer Science - Series B, 2011, 53, 181-187.	0.8	3
125	Synthesis of micron-sized poly(styrene-co-divinylbenzene) hollow particles from seeded emulsions by using swelling solvents. Colloid Journal, 2011, 73, 557-564.	1.3	9
126	Non-linear viscoelasticity of vapor grown carbon nanofiber/polystyrene composites. Journal of Materials Science, 2011, 46, 2495-2502.	3.7	8

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127	Study on high weld strength of impact propylene copolymer/high density polyethylene laminates. Chinese Journal of Polymer Science (English Edition), 2011, 29, 497-505.	3.8	12
128	Instability of graft copolymers under polymer blending conditions. Chemical Engineering Science, 2011, 66, 1010-1013.	3.8	4
129	Effects of carbon nanotubes and their state of dispersion on the anionic polymerization of ϵ -caprolactam: II. Rheology. Polymer Engineering and Science, 2011, 51, 1116-1121.	3.1	5
130	Hydrogenated nitrile butadiene rubber and hindered phenol composite. II. Characterization of hydrogen bonding. Polymer Engineering and Science, 2011, 51, 201-208.	3.1	18
131	Kinetics of the anionic polymerization of ϵ -caprolactam from an isocyanate bearing polystyrene. Polymer Engineering and Science, 2011, 51, 2261-2272.	3.1	7
132	Development of new concepts for the control of polymerization processes: Multiobjective optimization and decision engineering. II. Application of a Choquet integral to an emulsion copolymerization process. Journal of Applied Polymer Science, 2011, 120, 3421-3434.	2.6	9
133	Tensile, thermal and dynamic mechanical properties of hollow polymer particle-filled epoxy syntactic foam. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5177-5183.	5.6	46
134	Photocontrolled microphase separation in a nematic liquid-crystalline diblock copolymer. Polymer, 2011, 52, 1554-1561.	3.8	44
135	A two-step depressurization batch process for the formation of bi-modal cell structure polystyrene foams using scCO ₂ . Journal of Supercritical Fluids, 2011, 55, 1104-1114.	3.2	89
136	EFFECT OF MIXING CONDITION ON ELECTRICAL PERCOLATION AND DYNAMIC RHEOLOGICAL BEHAVIOR FOR VAPOR GROWN CARBON FIBER FILLED POLYSTYRENE COMPOSITES. Acta Polymerica Sinica, 2011, 011, 1305-1310.	0.0	2
137	Preparation and properties of PP/PC/POE blends. Polymers for Advanced Technologies, 2010, 21, 279-289.	3.2	4
138	Morphology, microstructure and compatibility of impact polypropylene copolymer. Polymer, 2010, 51, 4969-4977.	3.8	104
139	Optical detection of the morphology of hollow polymer particles prepared from seeded emulsions in the presence of n-octanol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 356, 78-83.	4.7	16
140	Compatibilizing effect of acrylic acid modified polypropylene on the morphology and permeability properties of polypropylene/organoclay nanocomposites. Composites Science and Technology, 2010, 70, 458-465.	7.8	39
141	Cold crystallization behavior of polyamide 6 in PS-g-PA6 graft copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 65-73.	2.1	3
142	Effects of organic encapsulation on the properties of magnetic PLLA/Fe ₃ O ₄ composites. Polymer Engineering and Science, 2010, 50, 215-221.	3.1	4
143	Blend composition dependence of the compatibilizing efficiency of graft copolymers for immiscible polymer blends. Polymer Engineering and Science, 2010, 50, 2243-2251.	3.1	18
144	Effects of carbon nanotubes and their state of dispersion on the anionic polymerization of ϵ -caprolactam: 1. Calorimetry. Polymer Engineering and Science, 2010, 50, 2287-2297.	3.1	5

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145	Dissipative Particle Dynamics and Flory-Huggins Theories for Predicting the Rheological Behavior of Ultrahigh Molecular Weight Polyethylene Blends. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 11369-11379.	3.7	16
146	Residence time distribution: An old concept in chemical engineering and a new application in polymer processing. <i>AIChE Journal</i> , 2009, 55, 279-283.	3.6	27
147	Numerical simulation and experimental validation of mixing performance of kneading discs in a twin screw extruder. <i>Polymer Engineering and Science</i> , 2009, 49, 1772-1783.	3.1	97
148	Preparation of nano-Ag particles and their modification on the mechanical and dielectric properties of epoxy resin. <i>Polymer Engineering and Science</i> , 2009, 49, 2189-2194.	3.1	16
149	Multiple melting behavior of poly(lactic acid) filled with modified carbon black. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1971-1980.	2.1	50
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