

Guo-Hua Hu

List of Publications by Year in descending order

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274
papers

12,533
citations

22153

59
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97
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284
all docs

284
docs citations

284
times ranked

9377
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals, processes and applications of high-permittivity polymer matrix composites. <i>Progress in Materials Science</i> , 2012, 57, 660-723.	32.8	1,467
2	A new process of fabricating electrically conducting nylon 6/graphite nanocomposites via intercalation polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 1626-1633.	2.1	282
3	Improved Dielectric Properties of Nanocomposites Based on Poly(vinylidene fluoride) and Poly(vinyl Tj ETQq1 1 0.784314 rgBT/Over	8.0	277
4	Foaming of polypropylene with supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2007, 41, 299-310.	3.2	260
5	Preparation of polypropylene/carbon nanotube composite powder with a solid-state mechanochemical pulverization process. <i>Journal of Applied Polymer Science</i> , 2004, 93, 378-386.	2.6	205
6	Dielectric properties of reduced graphene oxide/polypropylene composites with ultralow percolation threshold. <i>Polymer</i> , 2013, 54, 1916-1922.	3.8	204
7	Compatibility and phase structure of binary blends of poly(lactic acid) and glycidyl methacrylate grafted poly(ethylene octane). <i>European Polymer Journal</i> , 2009, 45, 2428-2433.	5.4	197
8	In situ compatibilization of polypropylene and poly(butylene terephthalate) polymer blends by one-step reactive extrusion. <i>Polymer</i> , 1996, 37, 4119-4127.	3.8	177
9	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
10	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
11	Progress in bio-inspired sacrificial bonds in artificial polymeric materials. <i>Chemical Society Reviews</i> , 2017, 46, 6301-6329.	38.1	157
12	Improved Thermal Conductivity and Flame Retardancy in Polystyrene/Poly(vinylidene fluoride) Blends by Controlling Selective Localization and Surface Modification of SiC Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6915-6924.	8.0	153
13	Styrene-assisted melt free radical grafting of glycidyl methacrylate onto polypropylene. <i>Journal of Polymer Science Part A</i> , 1998, 36, 1053-1063.	2.3	144
14	Triple Shape Memory Effects of Cross-Linked Polyethylene/Polypropylene Blends with Cocontinuous Architecture. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5550-5556.	8.0	136
15	Clay exfoliation and organic modification on wear of nylon 6 nanocomposites processed by different routes. <i>Composites Science and Technology</i> , 2005, 65, 2314-2328.	7.8	125
16	Effects of crystal structure on the foaming of isotactic polypropylene using supercritical carbon dioxide as a foaming agent. <i>Journal of Supercritical Fluids</i> , 2009, 48, 167-175.	3.2	124
17	Enhanced interactions between multi-walled carbon nanotubes and polystyrene induced by melt mixing. <i>Carbon</i> , 2006, 44, 692-698.	10.3	122
18	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

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19	Devulcanization of waste tire rubber by microwaves. <i>Polymer Degradation and Stability</i> , 2017, 138, 169-181.	5.8	119
20	High thermal conductivity and high electrical resistivity of poly(vinylidene fluoride)/polystyrene blends by controlling the localization of hybrid fillers. <i>Composites Science and Technology</i> , 2013, 89, 142-148.	7.8	115
21	Influence of interfacial adhesion on toughening of polyethylene-octene elastomer/nylon 6 blends. <i>Journal of Applied Polymer Science</i> , 1998, 69, 1711-1718.	2.6	114
22	Gelation in carbon nanotube/polymer composites. <i>Polymer</i> , 2003, 44, 7529-7532.	3.8	109
23	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
24	Free radical grafting of glycidyl methacrylate onto polypropylene in a co-rotating twin screw extruder. <i>Journal of Applied Polymer Science</i> , 1995, 57, 1043-1054.	2.6	108
25	Reactive Extrusion: Toward Nanoblends. <i>Macromolecules</i> , 1999, 32, 4713-4718.	4.8	108
26	Morphology, microstructure and compatibility of impact polypropylene copolymer. <i>Polymer</i> , 2010, 51, 4969-4977.	3.8	104
27	Melt free-radical grafting of glycidyl methacrylate onto polypropylene. <i>Angewandte Makromolekulare Chemie</i> , 1995, 229, 1-13.	0.2	99
28	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
29	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
30	Devolatilization: A critical sequential operation for in situ compatibilization of immiscible polymer blends by one-step reactive extrusion. <i>Polymer Engineering and Science</i> , 1996, 36, 676-684.	3.1	93
31	A Multiscale Investigation on the Mechanism of Shape Recovery for IPDI to PPDI Hard Segment Substitution in Polyurethane. <i>Macromolecules</i> , 2016, 49, 5931-5944.	4.8	92
32	Functionalized polypropylene prepared by melt free radical grafting of low volatile oxazoline and its potential in compatibilization of PP/PBT blends. <i>Journal of Applied Polymer Science</i> , 1996, 61, 843-852.	2.6	91
33	A two-step depressurization batch process for the formation of bi-modal cell structure polystyrene foams using scCO ₂ . <i>Journal of Supercritical Fluids</i> , 2011, 55, 1104-1114.	3.2	89
34	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
35	Toughening of nylon 6 with a maleated core-shell impact modifier. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 1987-1994.	2.1	85
36	Rheological and electrical percolation thresholds of carbon nanotube/polymer nanocomposites. <i>Polymer Engineering and Science</i> , 2012, 52, 2173-2181.	3.1	79

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37	Water-assisted melt compounding of nylon-6/pristine montmorillonite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1100-1112.	2.1	78
38	Exchange and free radical grafting reactions in reactive extrusion. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 75, 137-157.	0.6	74
39	Geographical, Spatial, and Temporal Distributions of Multiple Indoor Air Pollutants in Four Chinese Provinces. <i>Environmental Science & Technology</i> , 2005, 39, 9431-9439.	10.0	74
40	Local residence time, residence revolution, and residence volume distributions in twin-screw extruders. <i>Polymer Engineering and Science</i> , 2008, 48, 19-28.	3.1	74
41	Efficiency of graft copolymers as compatibilizers for immiscible polymer blends. <i>Polymer</i> , 2007, 48, 5940-5949.	3.8	73
42	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
43	Effect of Hydrophobicity inside PEO~PPO~PEO Block Copolymer Micelles on the Stabilization of Gold Nanoparticles: Experiments. <i>Langmuir</i> , 2006, 22, 9704-9711.	3.5	71
44	Oriented foaming of polystyrene with supercritical carbon dioxide for toughening. <i>Polymer</i> , 2012, 53, 5982-5993.	3.8	70
45	Porogen effects in synthesis of uniform micrometer-sized poly(divinylbenzene) microspheres with high surface areas. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 52-59.	9.4	69
46	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
47	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
48	Effects of processing parameters on their situ compatibilization of polypropylene and poly(butylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1039-1047.	2.6	67
49	One-line measurement of the residence time distribution in screw extruders. <i>Polymer Engineering and Science</i> , 1999, 39, 930-939.	3.1	67
50	Structural, optical and magnetic properties of Co-doped ZnO nanorods prepared by hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2013, 576, 59-65.	5.5	67
51	Styrene-assisted free radical grafting of glycidyl methacrylate onto polyethylene in the melt. <i>Journal of Polymer Science Part A</i> , 1998, 36, 2763-2774.	2.3	65
52	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
53	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
54	Efficiency of graft copolymers at stabilizing co-continuous polymer blends during quiescent annealing. <i>Polymer</i> , 2008, 49, 3462-3469.	3.8	63

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55	Preparation of open-cell polymer foams by CO ₂ assisted foaming of polymer blends. <i>Polymer</i> , 2016, 90, 331-341.	3.8	62
56	Morphology development of in situ compatibilized semicrystalline polymer blends in a co-rotating twin-screw extruder. <i>Polymer Engineering and Science</i> , 1999, 39, 996-1013.	3.1	61
57	Impact fracture morphology of nylon 6 toughened with a maleated polyethylene-octene elastomer. <i>Journal of Applied Polymer Science</i> , 2000, 76, 1285-1295.	2.6	61
58	Dissipative particle dynamics simulation of gold nanoparticles stabilization by PEO- <i>b</i> -PPO- <i>b</i> -PEO block copolymer micelles. <i>Colloid and Polymer Science</i> , 2007, 285, 1543-1552.	2.1	61
59	Residence time distribution in screw extruders. <i>AIChE Journal</i> , 1993, 39, 1455-1464.	3.6	60
60	Functionalization of polypropylene with oxazoline and reactive blending of PP with PBT in a corotating twin-screw extruder. <i>Journal of Applied Polymer Science</i> , 1997, 63, 883-894.	2.6	60
61	From Homogeneous Dispersion to Micelles: A Molecular Dynamics Simulation on the Compromise of the Hydrophilic and Hydrophobic Effects of Sodium Dodecyl Sulfate in Aqueous Solution. <i>Langmuir</i> , 2005, 21, 5223-5229.	3.5	60
62	Supercritical Carbon Dioxide Assisted Solid-State Grafting Process of Maleic Anhydride onto Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4292-4299.	3.7	58
63	Styrene-assisted melt free radical grafting of glycidyl methacrylate onto an ethylene and propylene rubber. <i>Journal of Applied Polymer Science</i> , 1999, 71, 125-133.	2.6	55
64	A novel reactive extrusion process for compatibilizing immiscible polymer blends. <i>Polymer</i> , 2001, 42, 8807-8816.	3.8	55
65	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
66	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
67	Recent advances in superhydrophobic polyurethane: Preparations and applications. <i>Advances in Colloid and Interface Science</i> , 2022, 303, 102644.	14.7	51
68	Reaction kinetics of multiphase polymer systems under flow. <i>AIChE Journal</i> , 2004, 50, 2604-2612.	3.6	50
69	Relaxation behavior of polymer blends with complex morphologies: Palierne emulsion model for uncompatibilized and compatibilized PP/PA6 blends. <i>Polymer</i> , 2006, 47, 4659-4666.	3.8	50
70	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
71	Quantum-Chemical Predictions of pK_a 's of Thiols in DMSO. <i>Journal of Physical Chemistry A</i> , 2014, 118, 606-622.	2.5	50
72	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

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73	Plastification or melting: A critical process for free radical grafting in screw extruders. <i>Polymer Engineering and Science</i> , 1998, 38, 177-185.	3.1	49
74	Assessing local residence time distributions in screw extruders through a new in-line measurement instrument. <i>Polymer Engineering and Science</i> , 2006, 46, 510-519.	3.1	49
75	Applications of a statistical theory in residence time distributions. <i>AIChE Journal</i> , 1993, 39, 1558-1562.	3.6	48
76	Anionic polymerization of lactams: A comparative study on various methods of measuring the conversion of ϵ -caprolactam to polyamide 6. <i>Journal of Applied Polymer Science</i> , 2006, 101, 1972-1981.	2.6	48
77	Strategies for maximizing free-radical grafting reaction yields. <i>Journal of Applied Polymer Science</i> , 2003, 88, 1799-1807.	2.6	46
78	Controlling Factors on Droplets Uniformity in Membrane Emulsification: Experiment and Modeling Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 6418-6425.	3.7	46
79	Tensile, thermal and dynamic mechanical properties of hollow polymer particle-filled epoxy syntactic foam. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5177-5183.	5.6	46
80	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
81	Amidification of poly(styrene-co-maleic anhydride) with amines in tetrahydrofuran solution: A kinetic study. <i>Polymer Bulletin</i> , 1992, 29, 357-363.	3.3	45
82	Modeling reactive blending: An experimental approach. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 2153-2163.	2.1	45
83	Fibrillation of thermotropic liquid crystalline polymer enhanced by nano-clay in nylon-6 matrix. <i>Polymer</i> , 2005, 46, 5385-5395.	3.8	45
84	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
85	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
86	Porous cellulose composite aerogel films with super piezoelectric properties for energy harvesting. <i>Carbohydrate Polymers</i> , 2022, 288, 119407.	10.2	45
87	Monoesterification of styrene- <i>co</i> -maleic anhydride copolymers with alcohols in ethyl benzene: Catalysis and kinetics. <i>Journal of Polymer Science Part A</i> , 1993, 31, 691-700.	2.3	44
88	The early stage of the morphology development of immiscible polymer blends during melt blending: Compatibilized vs. uncompatibilized blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 601-610.	2.1	44
89	Photocontrolled microphase separation in a nematic liquid- <i>crystalline</i> diblock copolymer. <i>Polymer</i> , 2011, 52, 1554-1561.	3.8	44
90	Dissipative particle dynamics study on the phase morphologies of the ultrahigh molecular weight polyethylene/polypropylene/poly(ethylene glycol) blends. <i>Polymer</i> , 2009, 50, 336-346.	3.8	43

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91	Supercritical Carbon Dioxide Induced Foaming of Highly Oriented Isotactic Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13387-13395.	3.7	41
92	Composition dependence of dielectric properties, elastic modulus, and electroactivity in (carbon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 127, 4440-4445.	2.6	41
93	<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
94	Title is missing!. <i>Journal of Materials Science</i> , 2000, 35, 1985-1996.	3.7	40
95	Nano-scale phenomena and applications in polymer processing. <i>Chemical Engineering Science</i> , 2007, 62, 3528-3537.	3.8	40
96	Current trends in bio-based elastomer materials. <i>SusMat</i> , 2022, 2, 2-33.	14.9	40
97	A Two-Step Reactive Extrusion Process for the Synthesis of Graft Copolymers with Polyamides as Grafts. <i>Macromolecules</i> , 2002, 35, 8247-8250.	4.8	39
98	The relationship between heterogeneous structures and phase separation in synthesis of uniform PolyDVB microspheres. <i>Polymer</i> , 2009, 50, 3188-3195.	3.8	39
99	Compatibilizing effect of acrylic acid modified polypropylene on the morphology and permeability properties of polypropylene/organoclay nanocomposites. <i>Composites Science and Technology</i> , 2010, 70, 458-465.	7.8	39
100	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
101	Concept of nano-reactor for the control of the selectivity of the free radical grafting of maleic anhydride onto polypropylene in the melt. <i>Chemical Engineering Science</i> , 2006, 61, 3780-3784.	3.8	38
102	Preparation and electro-optical properties of polymer dispersed liquid crystal films with relatively low liquid crystal content. <i>Polymers for Advanced Technologies</i> , 2013, 24, 453-459.	3.2	38
103	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
104	Flexible Carbon Nanotube Modified Separator for High-Performance Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2017, 7, 196.	4.1	38
105	Periodic Switching of Monomer Additions for Controlling the Compositions and Microstructures of Segmented and Random Ethylene-Propylene Copolymers in Polypropylene in-Reactor Alloys. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5992-5999.	3.7	37
106	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
107	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
108	Intensification of Polymerization Processes by Reactive Extrusion. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2791-2806.	3.7	37

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109	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
110	Preparation and characterization of surface modified silicon carbide/polystyrene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 130, 638-644.	2.6	36
111	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
112	Soft segment free thermoplastic polyester elastomers with high performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13637-13641.	10.3	36
113	Compressed CO ₂ -Assisted Formation of Reverse Micelles of PEO- <i>b</i> -PPO-PEO Copolymer. <i>Macromolecules</i> , 2002, 35, 7869-7871.	4.8	35
114	Supercritical carbon dioxide-induced melting temperature depression and crystallization of syndiotactic polypropylene. <i>Polymer Engineering and Science</i> , 2008, 48, 1608-1614.	3.1	35
115	Effect of Rubber Nanoparticle Agglomeration on Properties of Thermoplastic Vulcanizates during Dynamic Vulcanization. <i>Polymers</i> , 2016, 8, 127.	4.5	35
116	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
117	Morphology development of immiscible polymer blends during melt blending: Effects of interfacial agents on the liquid-solid interfacial heat transfer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 3368-3384.	2.1	34
118	The role of interfacial modifier in toughening of nylon 6 with a core-shell toughener. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 2664-2672.	2.1	33
119	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
120	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
121	Kinetics of the in situ polymerization and in situ compatibilization of poly(propylene) and polyamide 6 blends. <i>Journal of Applied Polymer Science</i> , 2004, 91, 1498-1504.	2.6	31
122	Preparation of poly(ethylene terephthalate)/organoclay nanocomposites using a polyester ionomer as a compatibilizer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 3084-3091.	2.1	31
123	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
124	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
125	Chemical reactions between immiscible polymers in the melt: Transesterification of poly(ethylene-co-methyl acrylate) with mono-hydroxylated polystyrenes. <i>Journal of Polymer Science Part A</i> , 1995, 33, 97-107.	2.3	30
126	Preparation of macromolecular tracers and their use for studying the residence time distribution of polymeric systems. <i>Polymer Engineering and Science</i> , 1999, 39, 299-311.	3.1	30

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127	Determination of the molar mass of polyamide block/graft copolymers by size-exclusion chromatography at room temperature. <i>Polymer Testing</i> , 2007, 26, 793-802.	4.8	30
128	Grafting of polyamide 6 by the anionic polymerization of ϵ -caprolactam from an isocyanate bearing polystyrene backbone. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4766-4776.	2.3	30
129	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
130	Nano-reactors for controlling the selectivity of the free radical grafting of maleic anhydride onto polypropylene in the melt. <i>Polymer Engineering and Science</i> , 2006, 46, 1443-1454.	3.1	29
131	Effect of supercritical carbon dioxide-assisted nano-scale dispersion of nucleating agents on the crystallization behavior and properties of polypropylene. <i>Journal of Supercritical Fluids</i> , 2008, 44, 446-456.	3.2	29
132	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
133	Residence time distribution in non-intermeshing counter-rotating twin-screw extruders. <i>Polymer Engineering and Science</i> , 1995, 35, 598-603.	3.1	28
134	Effects of processing parameters on the properties of microwave-devulcanized ground tire rubber/polyethylene dynamically vulcanized blends. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	28
135	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
136	Rate of the activated anionic polymerisation of ϵ -caprolactam onto an isocyanate bearing polypropylene in the melt. <i>Polymer</i> , 2005, 46, 4562-4570.	3.8	26
137	Investigation of pervaporation hybrid polyvinylchloride membranes for the separation of toluene-n-heptane mixtures – case of clays as filler. <i>Desalination</i> , 2009, 241, 174-181.	8.2	26
138	Carbon Dioxide Induced Crystallization for Toughening Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9632-9641.	3.7	26
139	Effect of agitation on the fluidization behavior of a gas-solid fluidized bed with a frame impeller. <i>AIChE Journal</i> , 2013, 59, 1066-1074.	3.6	26
140	Supercritical carbon dioxide-assisted solid-state free radical grafting of methyl methacrylate onto polypropylene. <i>Journal of Supercritical Fluids</i> , 2007, 43, 64-73.	3.2	25
141	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. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2257-2270.	3.7	25
142	Copper particles/epoxy resin thermosetting conductive adhesive using polyamide resin as curing agent. <i>Journal of Applied Polymer Science</i> , 2012, 126, 815-821.	2.6	25
143	Influence of incorporating CaCO ₃ into room temperature vulcanized silicone sealant on its mechanical and dynamic rheological properties. <i>Journal of Applied Polymer Science</i> , 2007, 103, 2027-2035.	2.6	24
144	Kinetic behaviour of chemical reactions in homogeneous and heterogeneous polymer melts. <i>Polymer</i> , 1997, 38, 545-550.	3.8	23

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145	Kinetics and simulation of the imidization of poly(styrene-co-maleic anhydride) with amines. <i>Journal of Applied Polymer Science</i> , 2006, 100, 2744-2749.	2.6	23
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