Dawei Wang

List of Publications by Year
in descending order

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204	4,590	101543	155660
papers	citations	36 h-index	55 g-index

206	206	206	4807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Visible-light-driven photocatalytic inactivation of MS2 by metal-free g-C3N4: Virucidal performance and mechanism. Water Research, 2016, 106, 249-258.	11.3	145
2	Effect of plasticizer on the crystallization behavior of poly(lactic acid). Journal of Applied Polymer Science, 2009, 113, 112-121.	2.6	124
3	Tunable Triazoleâ€Phosphineâ€Copper Catalysts for the Synthesis of 2â€Arylâ€1 Hâ€benzo[d]imidazoles from Benzyl Alcohols and Diamines by Acceptorless Dehydrogenation and Borrowing Hydrogen Reactions. Advanced Synthesis and Catalysis, 2017, 359, 3332-3340.	4.3	119
4	Study on the Crystallization, Miscibility, Morphology, Properties of Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (acid)/Poly(Î	1.9	109
5	BINAP-copper supported by hydrotalcite as an efficient catalyst for the borrowing hydrogen reaction and dehydrogenation cyclization under water or solvent-free conditions. Green Chemistry, 2018, 20, 2571-2577.	9.0	108
6	Transition Metal-Free Direct Câ€“H Functionalization of Quinones and Naphthoquinones with Diaryliodonium Salts: Synthesis of Aryl Naphthoquinones as Î²-Secretase Inhibitors. Journal of Organic Chemistry, 2014, 79, 8607-8613.	3.2	90
7	Crystallization behavior of fully biodegradable poly(lactic acid)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td (a	2.6	85
8	Isothermal crystallization kinetics and crystal structure of poly(lactic acid): Effect of triphenyl phosphate and talc. Journal of Applied Polymer Science, 2010, 118, 3558-3569.	2.6	85
9	Compatible and crystallization properties of poly(lactic acid)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td (ad	2.6	84
10	Synthesis and characterization of porous tree gum grafted copolymer derived from Prunus cerasifera gum polysaccharide. International Journal of Biological Macromolecules, 2019, 133, 964-970.	7.5	79
11	Investigation of the drawing mechanism of UHMWPE fibers. Journal of Materials Science, 2008, 43, 4892-4900.	3.7	74
12	Design and Synthesis of Alanine Triazole Ligands and Application in Promotion of Hydration, Allene Synthesis and Borrowing Hydrogen Reactions. Advanced Synthesis and Catalysis, 2016, 358, 1433-1439.	4.3	74
13	Photoelectrochemical cell for simultaneous electricity generation and heavy metals recovery from wastewater. Journal of Hazardous Materials, 2017, 323, 681-689.	12.4	72
14	Unsymmetrical indazolyl-pyridinyl-triazole ligand-promoted highly active iridium complexes supported on hydrotalcite and its catalytic application in water. Green Chemistry, 2018, 20, 1805-1812.	9.0	72
15	Flame retardation improvement of aqueous-based polyurethane with aziridinyl phosphazene curing system. Journal of Applied Polymer Science, 2001, 79, 662-673.	2.6	67
16	Rapid Crystallization of Poly(lactic acid) by Using Tailor-Made Oxalamide Derivatives as Novel Soluble-Type Nucleating Agents. Industrial & Engineering Chemistry Research, 2014, 53, 12888-12892.	3.7	67
17	Thymoquinone induces G2/M arrest, inactivates PI3K/Akt and nuclear factor-ÎºB pathways in human cholangiocarcinomas both in vitro and in vivo. Oncology Reports, 2014, 31, 2063-2070.	2.6	64
18	Mild Cobalt(III)â€Catalyzed Câ€“H Hydroarylation of Conjugated C=C/C=O Bonds. Advanced Synthesis and Catalysis, 2017, 359, 1717-1724.	4.3	63

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19	Preparation of pyridyltriazole ruthenium complexes as effective catalysts for the selective alkylation and one-pot Câ€“H hydroxylation of 2-oxindole with alcohols and mechanism exploration. Organic Chemistry Frontiers, 2018, 5, 2668-2675.	4.5	60
20	Kinetics and crystal structure of poly(lactic acid) crystallized nonisothermally: Effect of plasticizer and nucleating agent. Polymer Composites, 2010, 31, 2057-2068.	4.6	59
21	Where does Au coordinate to N-(2-pyridiyl)benzotriazole: gold-catalyzed chemoselective dehydrogenation and borrowing hydrogen reactions. Organic Chemistry Frontiers, 2018, 5, 203-209.	4.5	58
22	Merrifield resin-supported quinone as an efficient biomimetic catalyst for metal-free, base-free, chemoselective synthesis of 2,4,6-trisubstituted pyridines. Green Chemistry, 2019, 21, 5683-5690.	9.0	56
23	Unsymmetrical triazolyl-naphthyridinyl-pyridine bridged highly active copper complexes supported on reduced graphene oxide and their application in water. Green Chemistry, 2019, 21, 5345-5351.	9.0	56
24	Mechanism and experimental study on the photocatalytic performance of Ag/AgCl @ chiral TiO2 nanofibers photocatalyst: The impact of wastewater components. Journal of Hazardous Materials, 2015, 285, 277-284.	12.4	52
25	Visible-Light Induced and Oxygen-Promoted Oxidative Cyclization of Aromatic Enamines for the Synthesis of Quinolines Derivatives. Journal of Organic Chemistry, 2017, 82, 8455-8463.	3.2	51
26	Ag/AgCl@helical chiral TiO2 nanofibers as a visible-light driven plasmon photocatalyst. Chemical Communications, 2013, 49, 10367-10369.	4.1	49
27	Preparation and characterization of biodegradable polycaprolactone/multiwalled carbon nanotubes nanocomposites. Journal of Applied Polymer Science, 2009, 112, 660-668.	2.6	48
28	Thienylbenzotriazole promoted highly active gold nanoparticles supported on N-doped graphene as efficient catalysts in water and a mechanism exploration. Organic Chemistry Frontiers, 2019, 6, 62-69.	4.5	47
29	UV-curable PDMS-containing PU system for hydrophobic textile surface treatment. Journal of Polymer Research, 2009, 16, 601-610.	2.4	45
30	Copperâ€Catalyzed Reaction Cascade of Thiophenol Hydroxylation and Sâ€Arylation through Disulfideâ€Directed Câ^'H Activation. Chemistry - A European Journal, 2016, 22, 5543-5546.	3.3	44
31	Preparation of Triazole Gold(III) Complex as an Effective Catalyst for the Synthesis of Eâ€Îµâ€Haloenones. Advanced Synthesis and Catalysis, 2016, 358, 2583-2588.	4.3	44
32	Spinning and drawing properties of ultrahigh-molecular-weight polyethylene fibers prepared at varying concentrations and temperatures. Polymer Engineering and Science, 2003, 43, 1765-1777.	3.1	42
33	Sulfide and Sulfonyl Chloride as Sulfonylating Precursors for the Synthesis of Sulfoneâ€Containing Isoquinolinonediones. Advanced Synthesis and Catalysis, 2017, 359, 859-865.	4.3	41
34	Design and Synthesis of Zirconiumâ€Containing Coordination Polymer Based on Unsymmetric Indolyl Dicarboxylic Acid and Catalytic Application on Borrowing Hydrogen Reaction. Advanced Synthesis and Catalysis, 2018, 360, 4293-4300.	4.3	41
35	Enhanced Photocatalytic Degradation of 17Î±â€Ethinylestradiol Exhibited by Multifunctional ZnFe₂O₄â€“Ag/<scp>rGO</scp> Nanocomposite Under Visible Light. Photochemistry and Photobiology, 2016, 92, 238-246.	2.5	37
36	Iridium Supported on Phosphorusâ€Doped Porous Organic Polymers: Active and Recyclable Catalyst for Acceptorless Dehydrogenation and Borrowing Hydrogen Reaction. Advanced Synthesis and Catalysis, 2019, 361, 5695-5703.	4.3	37

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37	Global Lysine Crotonylation and 2-Hydroxyisobutyrylation in Phenotypically Different Toxoplasma gondii Parasites. Molecular and Cellular Proteomics, 2019, 18, 2207-2224.	3.8	37
38	Iridiumâ€“CNP complex catalyzed cross-coupling of primary alcohols and secondary alcohols by a borrowing hydrogen strategy. RSC Advances, 2014, 4, 42924-42929.	3.6	36
39	Copper/Ironâ€Cocatalyzed Cascade Perfluoroalkylation/Cyclization of 1,6â€Enynes with Iodoperfluoroalkanes. Advanced Synthesis and Catalysis, 2018, 360, 562-567.	4.3	36
40	Aqueous-based polyurethane with dual-functional curing agent. Journal of Polymer Research, 2000, 7, 41-49.	2.4	35
41	Plasticized properties of poly (lactic acid) and triacetine blends. Journal of Applied Polymer Science, 2009, 112, 2757-2763.	2.6	35
42	Nonâ€coordinatingâ€Anionâ€Directed Reversal of Activation Site: Selective Cå^'H Bond Activation of Nâ€Aryl Rings. Chemistry - A European Journal, 2016, 22, 8663-8668.	3.3	35
43	Iron-catalyzed reductive cyclization reaction of 1,6-enynes for the synthesis of 3-acylbenzofurans and thiophenes. Organic Chemistry Frontiers, 2019, 6, 342-346.	4.5	35
44	Blending and barrier properties of blends of modified polyamide and ethylene vinyl alcohol copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 511-521.	2.1	34
45	Iridium supported on porous polypyridine-oxadiazole as high-activity and recyclable catalyst for the borrowing hydrogen reaction. Green Chemistry, 2022, 24, 2602-2612.	9.0	34
46	Photothermal Membrane of CuS/Polyacrylamideâ€“Carboxymethyl Cellulose for Solar Evaporation. ACS Applied Polymer Materials, 2021, 3, 2402-2410.	4.4	33
47	Investigation of the ultradrawing properties of gel spun fibers of ultra-high molecular weight polyethylene/carbon nanotube blends. Journal of Applied Polymer Science, 2008, 110, 2538-2548.	2.6	32
48	Study on the Crystallization Kinetic and Characterization of Poly(lactic acid) and Poly(vinyl alcohol) Blends. Polymer-Plastics Technology and Engineering, 2008, 47, 1289-1296.	1.9	32
49	Modeling of quantitative effects of water components on the photocatalytic degradation of 17Î±-ethynylestradiol in a modified flat plate serpentine reactor. Journal of Hazardous Materials, 2013, 254-255, 64-71.	12.4	32
50	Preparation of pH/redox dual responsive polymeric micelles with enhanced stability and drug controlled release. Materials Science and Engineering C, 2018, 91, 727-733.	7.3	31
51	Copper and triphenylphosphine-promoted sulfenylation of quinones with arylsulfonyl chlorides. RSC Advances, 2016, 6, 62298-62301.	3.6	29
52	Sulfonated poly(ether sulfone)/phosphotungstic acid/attapulgite composite membranes for direct methanol fuel cells. Journal of Applied Polymer Science, 2012, 123, 646-656.	2.6	28
53	A new UV-curable PU resin obtained through a nonisocyanate process and used as a hydrophilic textile treatment. Journal of Polymer Research, 2012, 19, 1.	2.4	27
54	Copper-Catalyzed Radical-Promoted Aminocyclization of Acrylamides with N-Fluorobenzenesulfonimide. Journal of Organic Chemistry, 2016, 81, 12482-12488.	3.2	27

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55	Photoâ€Crosslinking Strategy Constructs Adhesive, Superabsorbent, and Tough PVAâ€Based Hydrogel through Controlling the Balance of Cohesion and Adhesion. Macromolecular Materials and Engineering, 2020, 305, 1900623.	3.6	27
56	Ionic Liquid-Assisted Exfoliation of Two-Dimensional Metalâ€“Organic Frameworks for Luminescent Sensing. ACS Sustainable Chemistry and Engineering, 2020, 8, 2167-2175.	6.7	27
57	Ultradrawing behavior of one- and two-stage drawn gel films of ultrahigh molecular weight polyethylene and low molecular weight polyethylene blends. Journal of Applied Polymer Science, 1998, 70, 149-159.	2.6	26
58	Influence of compatibilization and viscosity ratio on the barrier and impact properties of blends of a modified polyamide-6 and polyethylene. Polymer Engineering and Science, 1999, 39, 1952-1961.	3.1	26
59	Effects of processing conditions on the barrier properties of polyethylene (PE)/modified polyamide (MPA) and modified polyethylene (MPE)/polyamide (PA) blends. Journal of Applied Polymer Science, 2000, 76, 1997-2008.	2.6	26
60	Title is missing!. Journal of Materials Science, 2000, 35, 3227-3236.	3.7	25
61	Curing and combustion properties of a PU-coating system with UV-reactive phosphazene. Journal of Applied Polymer Science, 2002, 85, 1980-1991.	2.6	25
62	The synthesis of unsymmetric diamides through Rh-catalyzed selective Câ€“H bond activation of amides with isocyanates. Organic Chemistry Frontiers, 2017, 4, 1011-1018.	4.5	25
63	Study on the Preparation and Characterization of Biodegradable Polylactide/SiO₂â€“TiO₂Hybrids. Polymer-Plastics Technology and Engineering, 2008, 47, 887-894.	1.9	24
64	Ultradrawing novel ultra-high molecular weight polyethylene fibers filled with bacterial cellulose nanofibers. Carbohydrate Polymers, 2014, 101, 1-10.	10.2	24
65	Dye-sensitized photoelectrochemical cell on plasmonic Ag/AgCl @ chiral TiO 2 nanofibers for treatment of urban wastewater effluents, with simultaneous production of hydrogen and electricity. Applied Catalysis B: Environmental, 2015, 168-169, 25-32.	20.2	24
66	Tailored Graphene Oxide Membranes for the Separation of Ions and Molecules. ACS Applied Nano Materials, 2019, 2, 6611-6621.	5.0	23
67	High-efficient liquid exfoliation of 2D metal-organic framework using deep-eutectic solvents. Ultrasonics Sonochemistry, 2021, 72, 105461.	8.2	23
68	Negative air ion releasing properties of tourmaline/bamboo charcoal compounds containing ethylene propylene diene terpolymer/polypropylene composites. Journal of Applied Polymer Science, 2009, 113, 1097-1110.	2.6	21
69	An improvement on the adhesionâ€strength of laminated ultraâ€highâ€molecularâ€weight polyethylene fabrics: surfaceâ€etching/modification using highly effective helium/oxygen/nitrogen plasma treatment. Polymers for Advanced Technologies, 2011, 22, 1971-1981.	3.2	21
70	Influence of two-stage drawing conditions on ultradrawing behavior of gel films of ultrahigh-molecular-weight polyethylene and low-molecular-weight polyethylene blends. Journal of Applied Polymer Science, 2001, 79, 1890-1901.	2.6	20
71	The compatible and mechanical properties of biodegradable poly(Lactic Acid)/ethylene glycidyl methacrylate copolymer blends. Journal of Polymer Research, 2012, 19, 1.	2.4	20
72	Encapsulation of pentazole gold nanoparticles into modified polycyanostyrene and polynitrostyrene microspheres as efficient catalysts for cinnoline synthesis and hydration reaction. Materials Chemistry Frontiers, 2019, 3, 216-223.	5.9	20

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73	Porous cross-linked polymer copper and iridium catalyzed the synthesis of quinoxalines and functionalized ketones under solvent-free conditions. Materials Chemistry Frontiers, 2021, 5, 7861-7872.	5.9	20
74	Barrier resistance of polyethylene, polyethylene/modified polyamide, and polyethylene/blends of modified polyamide and ethylene vinyl alcohol bottles against permeation of polar and nonpolar mixed solvents. Journal of Applied Polymer Science, 2005, 97, 1333-1344.	2.6	19
75	Ultradrawing properties of ultrahighâ€•molecularâ€•weight polyethylene/carbon nanotube fibers prepared at various formation temperatures. Polymer International, 2011, 60, 59-68.	3.1	19
76	Polyester/cellulose acetate composites: Preparation, characterization and biocompatible. Journal of Applied Polymer Science, 2012, 126, E242.	2.6	19
77	Synthesis of Aryl- and Alkylquinones through Rhodium-Catalyzed Câ€“C ÂCoupling under Mild Conditions. Synlett, 2014, 25, 2895-2898.	1.8	19
78	Water proof and strength retention properties of thermoplastic starch based biocomposites modified with glutaraldehyde. Carbohydrate Polymers, 2015, 127, 135-144.	10.2	19
79	In Situ Growth of Clean Pd Nanoparticles on Polystyrene Microspheres Assisted by Functional Reduced Graphene Oxide and Their Excellent Catalytic Properties. Langmuir, 2017, 33, 8157-8164.	3.5	19
80	Polymer hybrids from self-emulsified PU anionomer and water-reducible acrylate copolymer via a postcuring reaction. Journal of Applied Polymer Science, 2003, 90, 3578-3587.	2.6	18
81	Single component self-curable aqueous-based PU system with new aziridinyl curing agent. Journal of Applied Polymer Science, 2004, 91, 1997-2007.	2.6	18
82	A cross self-curing system for an aqueous-based PU hybrid. Journal of Applied Polymer Science, 2005, 97, 550-558.	2.6	18
83	Ultradrawing properties of ultraâ€high molecular weight polyethylene/functionalized carbon nanotube fibers. Polymer Engineering and Science, 2011, 51, 687-696.	3.1	18
84	Ultradrawing properties of ultrahighâ€•molecularâ€•weight polyethylene/attapulgite fibers. Polymer International, 2012, 61, 982-989.	3.1	18
85	Preparation and characterization of novel ultraâ€high molecular weight polyethylene composite fibers filled with nanosilica particles. Polymer International, 2013, 62, 591-600.	3.1	18
86	Photoinduced Silylation of N-Heteroarenes and Unsaturated Benzamides with Naphthalimide-Based Organic Photocatalysts. Organic Letters, 2022, 24, 3797-3801.	4.6	18
87	Ultradrawing properties of gel films of ultrahigh-molecular-weight polyethylene and low-molecular-weight polyethylene blends prepared at various formation temperatures. Journal of Applied Polymer Science, 2003, 89, 3728-3738.	2.6	17
88	Surface modification of superfine tourmaline powder with titanate coupling agent. Colloid and Polymer Science, 2006, 284, 1465-1470.	2.1	17
89	Kinetics and crystal structure of isothermal crystallization of poly(lactic acid) plasticized with triphenyl phosphate. Journal of Applied Polymer Science, 2010, 117, 2980-2992.	2.6	17
90	Ultradrawing properties of ultrahighâ€•molecular weight polyethylene/functionalized carbon nanotube fibers and transmittance properties of their gel solutions. Polymer Engineering and Science, 2011, 51, 2552-2563.	3.1	17

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91	Thermal properties and characterization of surface-treated RSF-reinforced polylactide composites. Polymer Bulletin, 2013, 70, 3221-3239.	3.3	17
92	Iron-catalyzed hydrogen atom transfer induced cyclization of 1,6-enynes for the synthesis of ketoximes: a combined experimental and computational study. Organic Chemistry Frontiers, 2021, 8, 643-652.	4.5	17
93	Drawing properties of ultrahigh molecular weight polyethylene fibers prepared at varying formation temperatures. Journal of Applied Polymer Science, 2004, 91, 1559-1570.	2.6	16
94	Title is missing!. Journal of Materials Science, 2000, 35, 1321-1330.	3.7	15
95	White spirit permeation resistance of polyethylene, polyethylene/modified polyamide, and polyethylene/blends of modified polyamide and ethylene vinyl alcohol bottles. Polymer Engineering and Science, 2005, 45, 25-32.	3.1	15
96	Investigation of the oxygen depletion properties of novel oxygenâ€scavenging plastics. Journal of Applied Polymer Science, 2008, 110, 1420-1434.	2.6	15
97	Effect of nonsolvent on morphologies of polyamide 6 electrospun fibers. Journal of Applied Polymer Science, 2010, 118, 3005-3012.	2.6	15
98	The preparation of a Co@C₃N₄ catalyst and applications in the synthesis of quinolines from 2-aminobenzyl alcohols with ketones. New Journal of Chemistry, 2021, 45, 6768-6772.	2.8	15
99	A high molecular weight acrylonitrile copolymer prepared by mixed solvent polymerization: I. effect of monomer feed ratios on polymerization and stabilization. RSC Advances, 2014, 4, 64043-64052.	3.6	14
100	Fabricating sub-100nm conducting polymer nanowires by edge nanoimprint lithography. Journal of Colloid and Interface Science, 2015, 458, 300-304.	9.4	14
101	Activity and Structural Characteristics of Peach Gum Exudates. International Journal of Polymer Science, 2018, 2018, 1-5.	2.7	14
102	Compatible and tearing properties of poly(lactic acid)/poly(ethylene glutaricâ€coâ€terephthalate) copolyester blends. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 913-920.	2.1	13
103	Development and modeling of a flat plate serpentine reactor for photocatalytic degradation of 17-ethinylestradiol. Environmental Science and Pollution Research, 2013, 20, 2321-2329.	5.3	13
104	Preparation and characterization of poly(lactic acid) with adipate ester added as a plasticizer. Polymers and Polymer Composites, 2018, 26, 446-453.	1.9	13
105	Metalâ€Free Oxidative Annulation/Cyclization of 1,6â€Enynes for the Synthesis of 4â€Carbonylquinolines. Advanced Synthesis and Catalysis, 2019, 361, 2959-2964.	4.3	13
106	Palladium-catalyzed divergent cycloisomerization of 1,6-enynes controlled by functional groups for the synthesis of pyrroles, cyclopentenes, and tetrahydropyridines. Organic Chemistry Frontiers, 2021, 8, 4785-4790.	4.5	13
107	Permeation barrier properties of polyethylene/modified blends of polyamide and polyvinylalcohol containers against methanol/gasoline fuels. Journal of Applied Polymer Science, 1999, 74, 2158-2169.	2.6	12
108	The effect of poly(vinyl alcohol) hydrolysis on the properties of its blends with nylon 6. Polymer Engineering and Science, 2009, 49, 1553-1561.	3.1	12

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109	An efficient approach to deoximation using hexachlorodisilane under mild conditions. Russian Journal of General Chemistry, 2014, 84, 2200-2204.	0.8	12
110	Scale-dependent biogeomorphic feedbacks control the tidal marsh evolution under Spartina alterniflora invasion. Science of the Total Environment, 2021, 776, 146495.	8.0	12
111	New self-curable, aqueous-based polyurethane system by an isophorone diisocyanate/uretedione aziridinyl derivative process. Journal of Applied Polymer Science, 2004, 94, 845-859.	2.6	11
112	Optimized processing conditions for the preparation of dynamically vulcanized EPDM/PP thermoplastic elastomers containing PP resins of various melt indexes. Journal of Applied Polymer Science, 2009, 114, 2806-2815.	2.6	11
113	The copper sulfide coating on polyacrylonitrile with a chelating agent of ethylenediaminetetraacetic acid by an electroless deposition method and its EMI shielding effectiveness. Journal of Applied Polymer Science, 2010, 115, 570-578.	2.6	11
114	Drawing and tensile properties of polyamide 6/calcium chloride composite fibers. Journal of Polymer Research, 2011, 18, 1841-1850.	2.4	11
115	Silverâ€Mediated Phosphonylation of C(sp²)â^'H Bonds with Pâ^'H Bonds: Direct Câ^'H Functionalization of Ferrocenyl Anilides and Dialkyl Phosphites under Palladiumâ€and Copperâ€Free Conditions. Asian Journal of Organic Chemistry, 2016, 5, 1253-1259.	2.7	11
116	Dihydromethysticin, a natural molecule from Kava, suppresses the growth of colorectal cancer via the NLRC3/PI3K pathway. Molecular Carcinogenesis, 2020, 59, 575-589.	2.7	11
117	A Sialic Acid-Binding Protein SABP1 of Toxoplasma gondii Mediates Host Cell Attachment and Invasion. Journal of Infectious Diseases, 2020, 222, 126-135.	4.0	11
118	Negative air ions releasing properties of tourmaline contained ethylene propylene diene terpolymer/polypropylene thermoplastic elastomers. Journal of Applied Polymer Science, 2008, 109, 82-89.	2.6	10
119	Mechanical Retention and Waterproof Properties of Bacterial Cellulose-Reinforced Thermoplastic Starch Biocomposites Modified with Sodium Hexametaphosphate. Materials, 2015, 8, 3168-3194.	2.9	10
120	Thermoplastic starch and glutaraldehyde modified thermoplastic starch foams prepared using supercritical carbon dioxide fluid as a blowing agent. Polymers for Advanced Technologies, 2018, 29, 2643-2654.	3.2	10
121	Sustainable synthesis of nitrogen-doped porous carbon with improved electrocatalytic performance for hydrogen evolution. New Journal of Chemistry, 2019, 43, 3078-3083.	2.8	10
122	Co₂P nanoparticle/multi-doped porous carbon nanosheets for the oxygen evolution reaction. New Journal of Chemistry, 2021, 45, 8769-8774.	2.8	10
123	Oxygen permeation resistance of polyethylene, polyethylene/ethylene vinyl alcohol copolymer, polyethylene/modified ethylene vinyl alcohol copolymer, and polyethylene/modified polyamide-ethylene vinyl alcohol copolymer bottles. Journal of Applied Polymer Science, 2004, 92, 2528-2537.	2.6	9
124	Drawing and ultimate tenacity properties of polyamide 6/attapulgite composite fibers. Journal of Applied Polymer Science, 2012, 126, 1906-1916.	2.6	9
125	Green PU resin from an accelerated Non-isocyanate process with microwave radiation. Journal of Polymer Research, 2013, 20, 1.	2.4	9
126	Ultradrawing properties of ultrahigh molecular weight polyethylenes/functionalized activated nanocarbon as-prepared fibers. RSC Advances, 2016, 6, 3165-3175.	3.6	9

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127	Effect of the ultradrawing behavior of gel films of ultrahighâ€•molecularâ€•weight polyethylene and lowâ€•molecularâ€•weight polyethylene blends on their physical properties. Journal of Applied Polymer Science, 2008, 107, 854-862.	2.6	8
128	A New Selfâ€Polymerization of Acrylic Acid with a Monoâ€Aziridine Containing Compound. Journal of the Chinese Chemical Society, 2010, 57, 901-908.	1.4	8
129	Drawing and ultimate tensile properties of nylon 6/nylon 6 clay composite fibers. Polymer Engineering and Science, 2012, 52, 1348-1355.	3.1	8
130	Synthesis of aryl substituted quinones as Î²-secretase inhibitors: Ligand-free direct arylation of quinones with aryl halides. Russian Journal of General Chemistry, 2014, 84, 1615-1621.	0.8	8
131	Ultradrawing and ultimate tensile properties of ultrahigh molecular weight polyethylene composite fibers filled with functionalized nanoalumina fillers. Polymer Engineering and Science, 2015, 55, 2205-2214.	3.1	8
132	Properties of polyamide 6,10/poly(vinyl alcohol) blends and impact on oxygen barrier performance. Polymer International, 2018, 67, 453-462.	3.1	8
133	Pleiocarpumlignan A, a new dineolignan from Piper pleiocarpum Chang ex Tseng. Natural Product Research, 2020, 34, 2809-2815.	1.8	8
134	Blending and white spirit permeation properties of the blends of modified polyamide and ethylene vinyl alcohol with varying vinyl alcohol contents. Journal of Applied Polymer Science, 2006, 102, 1224-1233.	2.6	7
135	Self-curable system of an aqueous-based polyurethane dispersion via a ring-opening reaction of azetidine end groups. Journal of Applied Polymer Science, 2006, 102, 4383-4393.	2.6	7
136	A new triâ€functional azetidine compound for selfâ€curing aqueousâ€based PU system. Journal of Applied Polymer Science, 2012, 124, 175-181.	2.6	7
137	Ultradrawing properties of ultra-high molecular weight polyethylene/hydrochloric acid treated attapulgite fibers. Journal of Polymer Research, 2013, 20, 1.	2.4	7
138	The Influence of Silicone Softeners on Fabric Stain Removal and Whiteness Maintenance During Home Laundry. Journal of Surfactants and Detergents, 2014, 17, 331-339.	2.1	7
139	Synthesis, Structure, and Photophysical Properties of Tributyl Phosphine Bisbenzothienyl Iridium(III) Complex and its Application on Transfer Hydrogenation of Acetophenone. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 400-404.	1.2	7
140	Synthesis, Characterization, and Thermal Properties of Chlorineâ€Containing 1,1,2,2â€Tetraaminodisilanes and Their Potential as Chemical Vapor Deposition Precursors for Silicon Nitride Films. European Journal of Inorganic Chemistry, 2015, 2015, 3205-3211.	2.0	7
141	Antibacterial and Miscibility Properties of Chitosan/Collagen Blends. Journal of Macromolecular Science - Physics, 2015, 54, 143-158.	1.0	7
142	Strength retention and moisture resistant properties of citric acid modified thermoplastic starch resins. Journal of Polymer Research, 2017, 24, 1.	2.4	7
143	Enhanced photoactivities of ternary composite coating by antireflection and double Pâ€“N heterojunctions. Journal of Materials Science, 2017, 52, 1981-1987.	3.7	7
144	Utilization of supercritical CO 2 as a processing aid for preparation of ultrahigh molecular weight polyethylene/functionalized activated nanocarbon fibers. Polymer Engineering and Science, 2019, 59, 1462-1471.	3.1	7

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145	PGC-1Î± Protects against Hepatic Ischemia Reperfusion Injury by Activating PPARÎ± and PPARÎ³ and Regulating ROS Production. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	4.0	7
146	Analysis of metabolites in young and mature Docynia delavayi (Franch.) Schneid leaves using UPLC-ESI-MS/MS. PeerJ, 2022, 10, e12844.	2.0	7
147	Drawing and ultimate tensile properties of modified polyamide 6 fibers. Polymer Engineering and Science, 2011, 51, 755-763.	3.1	6
148	Effect of hydrogen bonding on characterization of polyamide 612 and ethylene vinyl alcohol copolymer blends. Journal of Applied Polymer Science, 2011, 120, 3724-3732.	2.6	6
149	Preparation and physical properties of meltâ€blown nonwovens of biodegradable PLA/acetyl tributyl citrate/FePol copolyester blends. Journal of Applied Polymer Science, 2012, 125, E158.	2.6	6
150	Performance properties of self-curing aqueous-based PU system with tri-glycidyl phosphate curing agent. Journal of Polymer Research, 2012, 19, 1.	2.4	6
151	Oxygen barrier, free volume, and blending properties of polyamide 12/poly (vinyl alcohol) blends. Polymers for Advanced Technologies, 2018, 29, 1649-1660.	3.2	6
152	Enhancement on ultimate tensile properties of ultrahigh molecular weight polyethylene composite fibers filled with activated nanocarbon particles with varying specific surface areas. Polymer Engineering and Science, 2018, 58, 980-990.	3.1	6
153	Synthesis of tri-substituted allyl alcohols via a copper/iron co-catalyzed cascade perfluoroalkylation/rearrangement of aryl propynyl ethers. Organic Chemistry Frontiers, 2019, 6, 3575-3579.	4.5	6
154	Oxygen barrier, free volume, and blending properties of fully bioâ€based polyamide 11/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.6	6
155	<scp>Multipleâ€stage</scp> drawn ultrahigh molecular weight polyethylene/activated carbon fibers prepared with the assistance of supercritical <scp>CO₂</scp>. Polymer Composites, 2020, 41, 4994-5005.	4.6	6
156	Preparation and Performance Evaluation of Polymeric Microspheres Used for Profile Control of Low-Permeability Reservoirs. Journal of Chemistry, 2020, 2020, 1-11.	1.9	6
157	The Cascade Câ”€H functionalization with sequential hydroxylation and oxidation through heterogeneous BINAPâ€copper on hydrotalcite. Journal of Chemical Technology and Biotechnology, 2020, 95, 2027-2033.	3.2	6
158	Genetic diversity of Simao pine in China revealed by SRAP markers. PeerJ, 2019, 7, e6529.	2.0	6
159	Gasoline permeation resistance of the as-blow-molded and annealed polyethylene, polyethylene/polyamide, and polyethylene/modified polyamide bottles. Journal of Applied Polymer Science, 2001, 81, 2827-2837.	2.6	5
160	Curing reaction of amino-terminated aqueous-based polyurethane dispersions with triglycidyl-containing compound. Journal of Applied Polymer Science, 2008, 110, 725-731.	2.6	5
161	Tapioca/polyvinyl alcohol thermoplastic starch materials processed with the aid of supercritical CO2. Food Packaging and Shelf Life, 2019, 22, 100425.	7.5	5
162	The Practical Method to Synthesize Gold Nanoparticles Supported on Hydrotalcite and Application on Oxidation and Hydration Reactions. ChemistrySelect, 2019, 4, 10376-10380.	1.5	5

#	Article	IF	Citations
163	Moistureâ€resistant and strength retention properties of supercritical CO₂â€processed thermoplastic starch modified by polyvinyl alcohol with varying degrees of polymerization. Polymers for Advanced Technologies, 2019, 30, 772-789.	3.2	5
164	Palladiumâ€Catalyzed Cycloisomerization of 1,6â€Enynes Using Alkyl Iodides as Hydride Source: a Combined Experimental and Computational Study. Advanced Synthesis and Catalysis, 2019, 361, 4033-4040.	4.3	5
165	Metalâ€Free Oxidative [5+1] Cyclization of 1,5â€Enynes for the Synthesis of Pyrazine 1â€Oxide. Advanced Synthesis and Catalysis, 2020, 362, 3621-3626.	4.3	5
166	The control of expansion ratios and cellular structure of supercritical CO2-aid thermoplastic starch foams using crosslinking agents and nano-silica particles. Journal of Polymer Research, 2021, 28, 1.	2.4	5
167	QTL mapping for growth-related traits by constructing the first genetic linkage map in Simao pine. BMC Plant Biology, 2022, 22, 48.	3.6	5
168	Comparison of genetic diversity between ancient and common populations of Docynia delavayi (Franch.) Schneid. Gene, 2022, 829, 146498.	2.2	5
169	Electroless Copper Sulfide Deposition on the Polyacrylonitrile Films with Chelating Agents and its EMI Shielding Effectiveness. Macromolecular Symposia, 2009, 286, 116-124.	0.7	4
170	Oxygen depletion properties of glucose-grafted polyethylene resins filled with sodium ascorbate/modified iron compounds. Journal of Polymer Research, 2011, 18, 1301-1313.	2.4	4
171	Preparation of cellulose nanofibers and their improvement on ultradrawing properties of ultrahigh molecular weight polyethylene nanocomposite fibers. Polymers for Advanced Technologies, 2017, 28, 708-716.	3.2	4
172	Properties of polyamide 612/poly(vinyl alcohol) blends and their impact on free volume and oxygen barrier properties. Journal of Polymer Research, 2018, 25, 1.	2.4	4
173	Regeneration and utilization of waste phenolic formaldehyde resin: A performance investigation. Journal of Applied Polymer Science, 2019, 136, 47445.	2.6	4
174	The Putative TCP-1 Chaperonin Is an Important Player Involved in Sialic Acid-Dependent Host Cell Invasion by Toxoplasma gondii. Frontiers in Microbiology, 2020, 11, 258.	3.5	4
175	Oxygen barrier films of scCO2-assisted thermoplastic starch/poly (vinyl alcohol) blends. Journal of Polymer Research, 2021, 28, 1.	2.4	4
176	Effect of weak reductant on properties of electroless copper polyacrylonitrile nanocomposites for electromagnetic interference shielding. Journal of Applied Polymer Science, 2010, 118, 936-942.	2.6	3
177	Impact of loading rate and filter height on the retention factor in the model of total coliform (TC) removal in direct rapid sand filtration. Desalination and Water Treatment, 2015, 54, 140-146.	1.0	3
178	Oxygen barrier, free volume and miscibility properties of fully bio-based polyamide 1010/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	3
179	Determination of lumefantrine as an effective drug against Toxoplasma gondii infection â€“ in vitro and in vivo study. Parasitology, 2021, 148, 122-128.	1.5	3
180	Performance of Nano-SiO2-Filled Poly(ether ketone ketone) Substrate for Fifth-Generation Communication. Journal of Electronic Materials, 2021, 50, 5327-5337.	2.2	3

#	Article	IF	Citations
181	BTPâ€Rh@gâ€C₃N₄ as an efficient recyclable catalyst for dehydrogenation and borrowing hydrogen reactions. Applied Organometallic Chemistry, 2022, 36, e6504.	3.5	3
182	Fifth Generation Communication Performance of Poly(ether ketone ketone)/Modified Montmorillonite Substrate. Macromolecular Research, 2022, 30, 107-115.	2.4	3
183	Performance of SiO₂ Filled Functional Polypropylene Substrates for 5th Generation Communication. Journal of Macromolecular Science - Physics, 2022, 61, 696-718.	1.0	3
184	Effect of Initiator on the Overâ€Voltage Positive Temperature Coefficient of Linear Low Density Polyethylene/Carbon Black Nano Composites. Macromolecular Symposia, 2009, 286, 125-134.	0.7	2
185	Influences of Plasma Treatment and ⁶⁰Co Î³â€Ray Radiation on the Overâ€Voltage Positive Temperature Coefficient of High Density Polyethylene/Carbon Black Nano Composites. Macromolecular Symposia, 2009, 286, 135-144.	0.7	2
186	Nylon 6 crystalâ€phase transition in nylon 6/clay/poly(vinyl alcohol) nanocomposites. Journal of Applied Polymer Science, 2010, 118, 1683-1690.	2.6	2
187	Ultrahigh molecular weight polyethylene fibers prepared using conical dies with varying dimensions. Polymer Engineering and Science, 2013, 53, 1910-1919.	3.1	2
188	Ultradrawing and ultimate tensile properties of novel ultra-high molecular weight polyethylene composite fibers filled with nanoalumina fillers. Textile Reseach Journal, 2016, 86, 1768-1787.	2.2	2
189	Transition-Metal-Free Direct Arylation and Esterification Reaction of Unprotected Indolylcarboxylic Acid Derivatives: A New Entry to 2-(1H-Indol-2-yl)-5-(phenylthio)-1,3,4-oxadiazoles and Aryl 1H-Indole-2-carboxylates. Synlett, 2016, 27, 2616-2620.	1.8	2
190	Two Zinc(II) Complexes Based on Trans-(1R,2R)-cyclohexanediamine: Molecular Structure Analyses and Preparation of Composite Membrane. Chemical Research in Chinese Universities, 2019, 35, 749-754.	2.6	2
191	Structures and Mechanical Properties of Polyurethane/Clay Composites Prepared by Different Pre-mixing Procedures. Polymers and Polymer Composites, 2010, 18, 517-526.	1.9	1
192	Physicochemical properties and molecular weight characterisation of porcine dermal collagen digested under varying conditions with clostridium histolytic collagenase. E-Polymers, 2010, 10, .	3.0	1
193	Synthesis and thermal properties of aminopyrimidine Ge(II) precursors for CVD/ALD technology. Russian Journal of General Chemistry, 2014, 84, 2027-2030.	0.8	1
194	Highly efficient dehydrogenation of secondary alcohols catalyzed by iridium-CNP complexes. Russian Journal of General Chemistry, 2014, 84, 2016-2020.	0.8	1
195	Synthesis, Characterization, Thermal Property of Si(câ€C₅H₉NH)₄ and Its Potential as CVD Precursor for SiC Film. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1813-1817.	1.2	1
196	Sodium Hexametaphosphateâ€Modified Thermoplastic Starch Materials Prepared with the Assistance of Supercritical CO₂. Starch/Staerke, 2020, 72, 1900055.	2.1	1
197	Multipleâ€step drawing innovative ultrahighâ€molecularâ€weight polyethylene fibers modified with bacterial cellulose and scCO 2 â€aid. Journal of Applied Polymer Science, 2021, 138, 50744.	2.6	1
198	Flame retardation improvement of aqueousâ€based polyurethane with aziridinyl phosphazene curing system. Journal of Applied Polymer Science, 2001, 79, 662-673.	2.6	1

#	Article	IF	Citations
199	Effect of annealing on poly(urethane-siloxane) copolymers. Journal of Applied Polymer Science, 2006, 102, 5174-5183.	2.6	0
200	Effect of annealing on poly(urethane-siloxane) copolymers. Journal of Applied Polymer Science, 2007, 104, 3495-3495.	2.6	0
201	Preparation and physicochemical properties of digested collagen fragments with varying molecular weights. Journal of Polymer Research, 2012, 19, 1.	2.4	0
202	A Single-Step Palladium-Catalysed Synthesis of Naphtho[2,3-b]Benzofuran-6,11-Diones and 2-(Hydroxyphenyl)Naphthalene-1,4-Diones. Journal of Chemical Research, 2017, 41, 564-568.	1.3	0
203	Cover Image, Volume 59, Issue 6. Molecular Carcinogenesis, 2020, 59, i.	2.7	0
204	Multistage drawing scCO2-assisted ultrahigh molecular weight polyethylene/activated nanocarbon fibers and their performance. Journal of Polymer Research, 2022, 29, 1.	2.4	0