

Xin Meng

List of Publications by Year in descending order

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42
papers

706
citations

687363

13
h-index

552781

26
g-index

42
all docs

42
docs citations

42
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of cardanol-loaded halloysite for the thermo-oxidative stability and crystallization property of polylactic acid. <i>Applied Clay Science</i> , 2022, 216, 106357.	5.2	8
2	Enhancement of α -in-situ dispersed NA11 for the mechanical and crystallization properties of polypropylene. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	2
3	Preparation of a biobased core-shell flame retardant and its application in polylactic acid. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	3
4	Enhanced crystallization property and equilibrium mechanical properties of a novel self-assembly nucleating system based phosphate for polypropylene. <i>Journal of Polymer Research</i> , 2022, 29, .	2.4	3
5	Fully Biodegradable Long-Chain Branched Polylactic Acid with High Crystallization Performance and Heat Resistance. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 10945-10954.	3.7	3
6	Effect of nickel phytate on flame retardancy of intumescent flame retardant polylactic acid. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1548-1559.	3.2	38
7	Effect of Precursors of Fe-Based Fischer-Tropsch Catalysts Supported on Expanded Graphite for CO ₂ Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15545-15556.	6.7	11
8	The mechanical properties, crystallization and rheological behavior of isotactic polypropylene with nucleating agent supported on polyhedral oligomeric silsesquioxanes (POSS). <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	7
9	Enhanced sintering resistance of bimetal/SBA-15 catalysts with promising activity under a low temperature for CO methanation. <i>RSC Advances</i> , 2020, 10, 20852-20861.	3.6	8
10	Electrospun bead-in-string fibrous membrane prepared from polysilsesquioxane-immobilising poly(lactic acid) with low filtration resistance for air filtration. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	18
11	Effect of the Metal Phenylphosphonates on the Nonisothermal Crystallization and Performance of Isotactic Polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 161-173.	2.1	8
12	Flame Retardancy and Mechanism of Novel Phosphorus-Silicon Flame Retardant Based on Polysilsesquioxane. <i>Polymers</i> , 2019, 11, 1304.	4.5	21
13	Improving the stability and ductility of polylactic acid via phosphite functional polysilsesquioxane. <i>RSC Advances</i> , 2019, 9, 25151-25157.	3.6	14
14	Effect of nucleating agent supported on zeolite via the impregnation on the crystallization ability of isotactic polypropylene and its mechanism. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2674-2685.	3.2	10
15	Promotion of zeolite as dispersion support for properties improvement of α nucleating agent in polypropylene. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	6
16	Effect of alkyl group on the chain extension of phosphites in polylactide. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, 144-148.	3.4	1
17	Isothermal and non-isothermal crystallization of isotactic polypropylene in the presence of an α nucleating agent and zeolite 13X. <i>Thermochimica Acta</i> , 2018, 667, 9-18.	2.7	7
18	Rheological, crystallization and foaming behaviors of high melt strength polypropylene in the presence of polyvinyl acetate. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	13

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19	Effect of benzofuranone on degradation and mechanical properties of polypropylene in processing. <i>Journal of Vinyl and Additive Technology</i> , 2018, 24, 124-129.	3.4	1
20	Novel Comb-Like Copolymer Dispersant for Polypropylene/CaCO ₃ Composites and Its Influence on Dispersion, Crystallization, Mechanical, and Thermal Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 986-996.	1.9	6
21	The effects of octadecylamine functionalized multi-wall carbon nanotubes on the conductive and mechanical properties of ultra-high molecular weight polyethylene. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	11
22	Antioxidation and mechanism of phosphites including the free phenolic hydroxyl group in polypropylene. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	8
23	Effect of La, Mg and Mo additives on dispersion and thermostability of Ni species on KIT-6 for CO methanation. <i>Applied Catalysis A: General</i> , 2017, 543, 125-132.	4.3	18
24	Comb-like copolymer dispersant for PP/CaCO ₃ composites: effects of particle concentration on properties of composites. <i>Journal of Polymer Engineering</i> , 2017, 37, 607-616.	1.4	2
25	Highly dispersed nickel within mesochannels of SBA-15 for CO methanation with enhanced activity and excellent thermostability. <i>Fuel</i> , 2017, 188, 267-276.	6.4	48
26	Influence of comb-like copolymer dispersants with different molecular structures on the performance of CaCO ₃ suspension in organic system. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1311-1318.	2.4	5
27	Synthesis of a novel comb-like copolymer used as dispersant in organic solvent and influence of free comb-like copolymer on CaCO ₃ suspension. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1003-1010.	2.4	8
28	Impact of double-solvent impregnation on the Ni dispersion of Ni/SBA-15 catalysts and catalytic performance for the syngas methanation reaction. <i>RSC Advances</i> , 2016, 6, 35875-35883.	3.6	34
29	Recovering high value-added substances from corn distillers dried grains with solubles: a semi-continuous countercurrent downstream processing method. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1327-1338.	3.2	5
30	Synergistic effect of Ni-based bimetallic catalyst with intumescent flame retardant on flame retardancy and thermal stability of polypropylene. <i>Polymer Degradation and Stability</i> , 2016, 129, 114-124.	5.8	30
31	Preparation and foaming mechanism of foamable polypropylene based on self-assembled nanofibrils from sorbitol nucleating agents. <i>Journal of Materials Science</i> , 2016, 51, 788-796.	3.7	13
32	Chain extension and oxidation stabilization of Triphenyl Phosphite (TPP) in PLA. <i>Polymer Degradation and Stability</i> , 2016, 124, 112-118.	5.8	28
33	Effect of impregnation solvent on Ni dispersion and catalytic properties of Ni/SBA-15 for CO methanation reaction. <i>Fuel</i> , 2016, 165, 289-297.	6.4	125
34	Control of thermal degradation of poly(lactic acid) using functional polysilsesquioxane microspheres as chain extenders. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
35	Structure effect of phosphite on the chain extension in PLA. <i>Polymer Degradation and Stability</i> , 2015, 120, 283-289.	5.8	26
36	Effect of MoO ₃ on the heat resistant performances of nickel based MCM-41 methanation catalysts. <i>Fuel</i> , 2014, 116, 25-33.	6.4	60

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37	Effect of MoO ₃ on Structures and Properties of Ni-SiO ₂ Methanation Catalysts Prepared by the Hydrothermal Synthesis Method. Industrial & Engineering Chemistry Research, 2013, 52, 14533-14544.	3.7	60
38	Kinetic study on lipase catalyzed trans-esterification of palm oil and dimethyl carbonate for biodiesel production. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	19
39	Antioxidant mechanism of a 3-arylbenzofuranone containing a 2-hydroxyl group. Journal of Vinyl and Additive Technology, 2013, 19, 198-202.	3.4	3
40	Structure effect of benzofuranone on the anti-oxidation kinetics in polypropylene. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 111-116.	1.5	3
41	Effect of hydrogen donating ability of benzofuranone on the antioxidant activity. Science Bulletin, 2010, 55, 27-31.	1.7	2
42	Improvement of β -cyclodextrin /cardanol inclusion complex for the thermal oxidative stability and environmental response antioxidation releasing property of polylactic acid. Polymers for Advanced Technologies, 0, , .	3.2	0