

Zhong Xin

List of Publications by Year in descending order

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170
papers

4,311
citations

126907

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149698

56
g-index

171
all docs

171
docs citations

171
times ranked

3864
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A highly active novel \hat{I}^2 -nucleating agent for isotactic polypropylene. <i>Polymer</i> , 2008, 49, 2745-2754. | 3.8 | 183 |
| 2 | Kinetics of transesterification of palm oil and dimethyl carbonate for biodiesel production at the catalysis of heterogeneous base catalyst. <i>Bioresource Technology</i> , 2010, 101, 8144-8150. | 9.6 | 168 |
| 3 | An overview on performance characteristics of bio-jet fuels. <i>Fuel</i> , 2019, 237, 916-936. | 6.4 | 166 |
| 4 | A self-cleaning polybenzoxazine/TiO ₂ surface with superhydrophobicity and superoleophilicity for oil/water separation. <i>Nanoscale</i> , 2015, 7, 19476-19483. | 5.6 | 150 |
| 5 | Polybenzoxazine/SiO ₂ nanocomposite coatings for corrosion protection of mild steel. <i>Corrosion Science</i> , 2014, 80, 269-275. | 6.6 | 138 |
| 6 | 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 |
| 7 | Synthesis, characterization and properties of anti-sintering nickel incorporated MCM-41 methanation catalysts. <i>Fuel</i> , 2013, 109, 693-701. | 6.4 | 106 |
| 8 | Corrosion resistance of novel silane-functional polybenzoxazine coating on steel. <i>Corrosion Science</i> , 2013, 70, 145-151. | 6.6 | 101 |
| 9 | Hydrophobic benzoxazine-cured epoxy coatings for corrosion protection. <i>Progress in Organic Coatings</i> , 2013, 76, 1178-1183. | 3.9 | 93 |
| 10 | Preparation and Surface Properties of Novel Low Surface Free Energy Fluorinated Silane-Functional Polybenzoxazine Films. <i>Langmuir</i> , 2011, 27, 8365-8370. | 3.5 | 83 |
| 11 | Donor dominated triazine-based microporous polymer as a polysulfide immobilizer and catalyst for high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020, 392, 123694. | 12.7 | 78 |
| 12 | Synthesis and Surface Properties of Low Surface Free Energy Silane-Functional Polybenzoxazine Films. <i>Langmuir</i> , 2013, 29, 411-416. | 3.5 | 72 |
| 13 | Effect of MoO ₃ on Structures and Properties of Ni-SiO ₂ Methanation Catalysts Prepared by the Hydrothermal Synthesis Method. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 14533-14544. | 3.7 | 60 |
| 14 | 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 |
| 15 | Thermal properties of heat storage composites containing multiwalled carbon nanotubes. <i>Journal of Applied Physics</i> , 2008, 104, . | 2.5 | 59 |
| 16 | Synthesis and component confirmation of biodiesel from palm oil and dimethyl carbonate catalyzed by immobilized-lipase in solvent-free system. <i>Fuel</i> , 2010, 89, 3960-3965. | 6.4 | 59 |
| 17 | Isothermal crystallization behaviors of isotactic polypropylene nucleated with \hat{I}^{\pm}/\hat{I}^2 compounding nucleating agents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 590-596. | 2.1 | 57 |
| 18 | Duplex trapping and charge transfer with polysulfides by a diketopyrrolopyrrole-based organic framework for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18100-18108. | 10.3 | 57 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Nucleation characteristics of the $\hat{1}\pm/\hat{1}^2$ compounded nucleating agents and their influences on crystallization behavior and mechanical properties of isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 653-665. | 2.1 | 56 |
| 20 | Latent Catalyst-Containing Naphthoxazine: Synthesis and Effects on Ring-Opening Polymerization. <i>Macromolecules</i> , 2016, 49, 7129-7140. | 4.8 | 56 |
| 21 | Effects of substituted aromatic heterocyclic phosphate salts on properties, crystallization, and melting behaviors of isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4868-4874. | 2.6 | 52 |
| 22 | Effect of inhibitor-loaded halloysite nanotubes on active corrosion protection of polybenzoxazine coatings on mild steel. <i>Progress in Organic Coatings</i> , 2019, 134, 126-133. | 3.9 | 52 |
| 23 | Effect of N-substituents on the surface characteristics and hydrogen bonding network of polybenzoxazines. <i>Polymer</i> , 2011, 52, 1092-1101. | 3.8 | 50 |
| 24 | 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 |
| 25 | Isothermal and nonisothermal crystallization kinetics of isotactic polypropylene nucleated with substituted aromatic heterocyclic phosphate salts. <i>Journal of Applied Polymer Science</i> , 2006, 101, 3307-3316. | 2.6 | 45 |
| 26 | A durable bio-based polybenzoxazine/SiO ₂ modified fabric with superhydrophobicity and superoleophilicity for oil/water separation. <i>Separation and Purification Technology</i> , 2019, 229, 115792. | 7.9 | 44 |
| 27 | PW based phase change nanocomposites containing $\hat{1}^3$ -Al ₂ O ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 709-713. | 3.6 | 41 |
| 28 | Supramolecular Assembly Mediates the Formation of Single-Chain Polymeric Nanoparticles. <i>ACS Macro Letters</i> , 2015, 4, 1184-1188. | 4.8 | 41 |
| 29 | Crystallization behaviors of poly(ethylene terephthalate) (PET) with monosilane isobutyl-polyhedral oligomeric silsesquioxanes (POSS). <i>Journal of Materials Science</i> , 2020, 55, 14642-14655. | 3.7 | 39 |
| 30 | Trimming the $\hat{1}\epsilon$ bridge of microporous frameworks for bidentate anchoring of polysulfides to stabilize lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19001-19010. | 10.3 | 38 |
| 31 | Bio-based polybenzoxazine superhydrophobic coating with active corrosion resistance for carbon steel protection. <i>Surface and Coatings Technology</i> , 2021, 405, 126569. | 4.8 | 37 |
| 32 | Effect of Citric Acid on the Synthesis of CO Methanation Catalysts with High Activity and Excellent Stability. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2383-2392. | 3.7 | 36 |
| 33 | Enhanced corrosion resistance of polybenzoxazine coatings by epoxy incorporation. <i>RSC Advances</i> , 2016, 6, 28428-28434. | 3.6 | 35 |
| 34 | Ni based catalyst supported on KIT-6 silica for CO methanation: Confinement effect of three dimensional channel on NiO and Ni particles. <i>Microporous and Mesoporous Materials</i> , 2018, 262, 89-97. | 4.4 | 35 |
| 35 | In situ formation of zinc phthalate as a highly dispersed $\hat{1}^2$ -nucleating agent for mechanically strengthened isotactic polypropylene. <i>Chemical Engineering Journal</i> , 2019, 358, 1243-1252. | 12.7 | 35 |
| 36 | Flame retardancy, thermal, rheological, and mechanical properties of polycarbonate/polysilsesquioxane system. <i>Journal of Applied Polymer Science</i> , 2010, 115, 330-337. | 2.6 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 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 |
| 38 | The influence of crystal structures of nucleating agents on the crystallization behaviors of isotactic polypropylene. <i>Colloid and Polymer Science</i> , 2006, 285, 11-17. | 2.1 | 33 |
| 39 | Butyl-biodiesel production from waste cooking oil: Kinetics, fuel properties and emission performance. <i>Fuel</i> , 2019, 236, 1489-1495. | 6.4 | 32 |
| 40 | Ultrathin 2D metal-organic framework nanosheets prepared via sonication exfoliation of membranes from interfacial growth and exhibition of enhanced catalytic activity by their gold nanocomposites. <i>RSC Advances</i> , 2019, 9, 9386-9391. | 3.6 | 31 |
| 41 | Preparation and foamability of high melt strength polypropylene based on grafting vinyl polydimethylsiloxane and styrene. <i>Polymer Engineering and Science</i> , 2015, 55, 251-259. | 3.1 | 30 |
| 42 | Effect of MoO ₃ on catalytic performance and stability of the SBA-16 supported Ni-catalyst for CO methanation. <i>Fuel</i> , 2016, 179, 193-201. | 6.4 | 30 |
| 43 | Facile fabrication of epoxy/polybenzoxazine based superhydrophobic coating with enhanced corrosion resistance and high thermal stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 8-15. | 4.7 | 30 |
| 44 | Relationship between molecular structure, crystallization behavior, and mechanical properties of long chain branching polypropylene. <i>Journal of Materials Science</i> , 2016, 51, 5598-5608. | 3.7 | 29 |
| 45 | Synthesis and characterization of well dispersed nickel-incorporated SBA-15 and its high activity in syngas methanation reaction. <i>Applied Catalysis A: General</i> , 2016, 516, 127-134. | 4.3 | 29 |
| 46 | Fluorine-free superhydrophobic/hydrophobic polybenzoxazine/TiO ₂ films with excellent thermal stability and reversible wettability. <i>RSC Advances</i> , 2015, 5, 55513-55519. | 3.6 | 28 |
| 47 | Corrosion protection of hydrophobic bisphenol A-based polybenzoxazine coatings on mild steel. <i>RSC Advances</i> , 2016, 6, 5805-5811. | 3.6 | 28 |
| 48 | Chain extension and oxidation stabilization of Triphenyl Phosphite (TPP) in PLA. <i>Polymer Degradation and Stability</i> , 2016, 124, 112-118. | 5.8 | 28 |
| 49 | Biodiesel production from palm oil and mixed dimethyl/diethyl carbonate with controllable cold flow properties. <i>Fuel</i> , 2018, 216, 781-786. | 6.4 | 28 |
| 50 | Large-scale production of ureido-cytosine based supramolecular polymers with well-controlled hierarchical nanostructures. <i>RSC Advances</i> , 2015, 5, 76451-76457. | 3.6 | 27 |
| 51 | The chain dis-entanglement effect of polyhedral oligomeric silsesquioxanes (POSS) on ultra-high molecular weight polyethylene (UHMWPE). <i>Polymer</i> , 2020, 202, 122631. | 3.8 | 27 |
| 52 | Structure effect of phosphite on the chain extension in PLA. <i>Polymer Degradation and Stability</i> , 2015, 120, 283-289. | 5.8 | 26 |
| 53 | One-Step Synthesis of Nonspherical Organosilica Particles with Tunable Morphology. <i>Langmuir</i> , 2018, 34, 11723-11728. | 3.5 | 26 |
| 54 | Nascent particle sizes and degrees of entanglement are responsible for the significant differences in impact strength of ultrahigh molecular weight polyethylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 632-641. | 2.1 | 26 |

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|----|--|------|-----------|
| 55 | Preparation and characterization of micron-sized polystyrene/polysiloxane core/shell particles. <i>Colloid and Polymer Science</i> , 2006, 284, 1062-1066. | 2.1 | 25 |
| 56 | Investigation on thermal properties of heat storage composites containing carbon fibers. <i>Journal of Applied Physics</i> , 2011, 110, . | 2.5 | 25 |
| 57 | In situ generation of a self-dispersed \hat{I}^2 -nucleating agent with increased nucleation efficiency in isotactic polypropylene. <i>Polymer</i> , 2018, 151, 84-91. | 3.8 | 24 |
| 58 | Nucleobase-Functionalized Supramolecular Micelles with Tunable Physical Properties for Efficient Controlled Drug Release. <i>Macromolecular Bioscience</i> , 2016, 16, 1415-1421. | 4.1 | 23 |
| 59 | Dimensional Stability of LDPE Foams with $CO_2 + i/i-C_4H_{10}$ Mixtures as Blowing Agent: Experimental and Numerical Simulation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13154-13162. | 3.7 | 23 |
| 60 | High-throughput droplet microfluidic synthesis of hierarchical metal-organic framework nanosheet microcapsules. <i>Nano Research</i> , 2019, 12, 2736-2742. | 10.4 | 23 |
| 61 | A Robust Polybenzoxazine/SiO ₂ Fabric with Superhydrophobicity for High-Flux Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7787-7796. | 3.7 | 23 |
| 62 | Development of a superhydrophobic polybenzoxazine surface with self-cleaning and reversible water adhesion properties. <i>RSC Advances</i> , 2016, 6, 106054-106063. | 3.6 | 21 |
| 63 | Flame Retardancy and Mechanism of Novel Phosphorus-Silicon Flame Retardant Based on Polysilsesquioxane. <i>Polymers</i> , 2019, 11, 1304. | 4.5 | 21 |
| 64 | Wear Resistance Mechanism of Ultrahigh-Molecular-Weight Polyethylene Determined from Its Structure-Property Relationships. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19519-19530. | 3.7 | 21 |
| 65 | A highly active and selective \hat{I}^2 -nucleating agent for isotactic polypropylene and crystallization behavior of \hat{I}^2 -nucleated isotactic polypropylene under rapid cooling. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 2.6 | 20 |
| 66 | A novel self-dispersed \hat{I}^2 nucleating agent for isotactic polypropylene and its unique nucleation behavior and mechanism. <i>Polymer</i> , 2017, 132, 69-78. | 3.8 | 20 |
| 67 | Essential role of organic additives in preparation of efficient Ni/KIT-6 catalysts for CO methanation. <i>Applied Catalysis A: General</i> , 2018, 558, 99-108. | 4.3 | 20 |
| 68 | Vinyl polysiloxane microencapsulated ammonium polyphosphate and its application in flame retardant polypropylene. <i>Journal of Polymer Research</i> , 2018, 25, 1. | 2.4 | 20 |
| 69 | Preparation of superhydrophobic polybenzoxazine/SiO ₂ films with self-cleaning and ice delay properties. <i>Progress in Organic Coatings</i> , 2018, 123, 254-260. | 3.9 | 20 |
| 70 | A novel highly efficient \hat{I}^2 -nucleating agent for isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2012, 123, 108-117. | 2.6 | 19 |
| 71 | A "reduced-pressure distillation" method to prepare zein-based fat analogue for application in mayonnaise formulation. <i>Journal of Food Engineering</i> , 2016, 182, 1-8. | 5.2 | 18 |
| 72 | 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 |

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|----|--|-----|-----------|
| 73 | Polybenzoxazine/organoclay composite coatings with intercalated structure: Relationship between solubility parameters and corrosion protection performance. <i>Progress in Organic Coatings</i> , 2018, 115, 188-194. | 3.9 | 18 |
| 74 | 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 |
| 75 | A rational design of double layer mesoporous polysiloxane coatings for broadband antireflection. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 677-684. | 2.4 | 17 |
| 76 | Effects of Interfacial Interaction on Corrosion Resistance of Polybenzoxazine/SiO ₂ Nanocomposite Coatings. <i>ACS Applied Polymer Materials</i> , 2019, 1, 381-391. | 4.4 | 17 |
| 77 | Two novel eugenol-based difunctional benzoxazines: Synthesis and properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126209. | 4.7 | 17 |
| 78 | Preparation of Bio-Based Polybenzoxazine/Pyrogallol/Polyhedral Oligomeric Silsesquioxane Nanocomposites: Low Dielectric Constant and Low Curing Temperature. <i>Macromolecular Materials and Engineering</i> , 2022, 307, 2100747. | 3.6 | 17 |
| 79 | Three-solvent spherical crystallization method with a model drug: Clopidogrel hydrogen sulfate. <i>Chemical Engineering Science</i> , 2020, 212, 115001. | 3.8 | 16 |
| 80 | Study of two novel siloxane-containing polybenzoxazines with intrinsic low dielectric constant. <i>Polymer</i> , 2022, 245, 124572. | 3.8 | 16 |
| 81 | Crystallization kinetics of isotactic polypropylene nucleated with organic dicarboxylic acid salts. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1471-1480. | 2.6 | 15 |
| 82 | A new route of manipulation of poly(L-lactic acid) crystallization by self-assembly of <i>p</i> -tert-butylcalix[8]arene and toluene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1235-1243. | 2.1 | 15 |
| 83 | Preparation and surface properties of transparent UV-resistant "petal effect" superhydrophobic surface based on polybenzoxazine. <i>Applied Surface Science</i> , 2015, 353, 1137-1142. | 6.1 | 15 |
| 84 | The Crystallization Behavior of Isotactic Polypropylene Induced by a Novel Antinucleating Agent and Its Inhibition Mechanism of Nucleation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7650-7657. | 3.7 | 15 |
| 85 | Surface properties and hydrogen bonds of mono-functional polybenzoxazines with different N-substituents. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 919-932. | 3.8 | 15 |
| 86 | Shear-induced β -form polypropylene in long chain branching isotactic polypropylene. <i>Polymer Engineering and Science</i> , 2016, 56, 240-247. | 3.1 | 15 |
| 87 | Crosslinked main-chain-type polybenzoxazine coatings for corrosion protection of mild steel. <i>Journal of Coatings Technology Research</i> , 2017, 14, 937-944. | 2.5 | 15 |
| 88 | An effective nucleating agent for isotactic polypropylene (iPP): Zinc bis- (nadic anhydride) double-decker silsesquioxanes. <i>Polymer</i> , 2021, 220, 123574. | 3.8 | 15 |
| 89 | Synthesis of poly(styrene-co-3-trimethoxysilyl propyl methacrylate) microspheres coated with polysiloxane layer. <i>Colloid and Polymer Science</i> , 2007, 285, 599-604. | 2.1 | 14 |
| 90 | Intercalated polybenzoxazine/organoclay composites with enhanced performance in corrosion resistance. <i>Journal of Coatings Technology Research</i> , 2016, 13, 63-72. | 2.5 | 14 |

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|-----|---|-----|-----------|
| 91 | Improving the stability and ductility of polylactic acid <i>via</i> phosphite functional polysilsesquioxane. <i>RSC Advances</i> , 2019, 9, 25151-25157. | 3.6 | 14 |
| 92 | Effect of Si-modified zirconia on the properties of MoO ₃ /Si-ZrO ₂ catalysts for sulfur-resistant CO methanation. <i>Applied Catalysis A: General</i> , 2019, 575, 230-237. | 4.3 | 14 |
| 93 | Effect of reflux digestion time on MoO ₃ /ZrO ₂ catalyst for sulfur-resistant CO methanation. <i>Fuel</i> , 2019, 241, 129-137. | 6.4 | 14 |
| 94 | 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 |
| 95 | 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 |
| 96 | Polybenzoxazine/Epoxy Composite Coatings: Effect of Crosslinking on Corrosion Resistance. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 1675-1683. | 3.7 | 13 |
| 97 | Polydimethylsiloxane assisted supercritical CO ₂ foaming behavior of high melt strength polypropylene grafted with styrene. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 396-404. | 4.4 | 12 |
| 98 | Effect of benzoic acid surface modified alumina nanoparticles on the mechanical properties and crystallization behavior of isotactic polypropylene nanocomposites. <i>RSC Advances</i> , 2018, 8, 20790-20800. | 3.6 | 12 |
| 99 | The correlation between crystal structure and nucleation efficiency of a lithium (I) complex on isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2012, 125, 2963-2969. | 2.6 | 11 |
| 100 | Combined effect of organic phosphate sodium and nanoclay on the mechanical properties and crystallization behavior of isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2012, 123, 617-626. | 2.6 | 11 |
| 101 | Nucleobase-functionalized supramolecular polymer films with tailorable properties and tunable biodegradation rates. <i>Polymer Chemistry</i> , 2017, 8, 1454-1459. | 3.9 | 11 |
| 102 | Nucleation effects of zinc adipate as ² -Nucleating agent in ethylene-propylene block copolymerized polypropylene. <i>Journal of Polymer Research</i> , 2017, 24, 1. | 2.4 | 11 |
| 103 | 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 |
| 104 | Preparation of diamine-based polybenzoxazine coating for corrosion protection on mild steel. <i>Journal of Polymer Research</i> , 2019, 26, 1. | 2.4 | 11 |
| 105 | Toward Understanding the Effect of Solvent Evaporation on the Morphology of PLGA Microspheres by Double Emulsion Method. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9196-9205. | 3.7 | 11 |
| 106 | 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 |
| 107 | Non-isothermal degradation kinetics for polycarbonate/ polymethylphenylsilsesquioxane composites. <i>E-Polymers</i> , 2010, 10, . | 3.0 | 10 |
| 108 | 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 |

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|-----|--|-----|-----------|
| 109 | Study on variable nucleation efficiency of N,N'-Dicyclohexyl-2,6-naphthalenedicarboxamide on isotactic polypropylene. <i>Journal of Thermoplastic Composite Materials</i> , 2016, 29, 1667-1679. | 4.2 | 10 |
| 110 | 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 |
| 111 | Superhydrophobic Polybenzoxazine/TiO ₂ Coatings with Reversible Wettability for High-Flux Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8516-8526. | 3.7 | 10 |
| 112 | A Novel Strategy for Achieving High Melt Strength Polypropylene and an Investigation of Its Foamability. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1695-1714. | 1.0 | 9 |
| 113 | A novel $\hat{\Gamma}^2$ -nucleating agent for isotactic polypropylene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 2029-2040. | 3.6 | 9 |
| 114 | Structural Relationships between Zinc Hexahydrophthalate and the $\hat{\Gamma}^2$ Phase of Isotactic Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18529-18538. | 3.7 | 9 |
| 115 | Failure mechanism of zinc adipate as a $\hat{\Gamma}^2$ -nucleating agent for polypropylene in the presence of calcium stearate. <i>Polymer</i> , 2021, 215, 123374. | 3.8 | 9 |
| 116 | New transparent poly(l-lactide acid) films as high-performance bio-based nanocomposites. <i>RSC Advances</i> , 2016, 6, 23949-23955. | 3.6 | 8 |
| 117 | Conformation order of poly(l-lactic acid) chains during the melt crystallization process: infrared and two-dimensional infrared correlation spectroscopy study. <i>Journal of Materials Science</i> , 2016, 51, 4880-4887. | 3.7 | 8 |
| 118 | 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 |
| 119 | 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 |
| 120 | Increased nucleation efficiency of an in situ-formed $\hat{\Gamma}^2$ -nucleating agent for impact polypropylene copolymer. <i>Journal of Polymer Research</i> , 2019, 26, 1. | 2.4 | 8 |
| 121 | Thermal curing behavior of benzoxazine functional polysilsesquioxane nanospheres. <i>Thermochimica Acta</i> , 2019, 678, 178295. | 2.7 | 8 |
| 122 | Facile Fabrication of Lilium Pollen-like Organosilica Particles. <i>Langmuir</i> , 2020, 36, 571-575. | 3.5 | 8 |
| 123 | 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 |
| 124 | Influence of lanthanum stearate on the crystallization behavior of isotactic polypropylene. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009, 4, 628-634. | 1.5 | 7 |
| 125 | Relationship between molecular structure and nucleation of benzylidene acetals in isotactic polypropylene. <i>Polymer Composites</i> , 2012, 33, 371-378. | 4.6 | 7 |
| 126 | Supramolecular Polymer Network-Mediated Self-Assembly of Semicrystalline Polymers with Excellent Crystalline Performance. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600702. | 3.9 | 7 |

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|-----|---|-----|-----------|
| 127 | Isothermal and non-isothermal crystallization of isotactic polypropylene in the presence of an $\hat{\pm}$ nucleating agent and zeolite 13X. <i>Thermochimica Acta</i> , 2018, 667, 9-18. | 2.7 | 7 |
| 128 | 13X zeolite as Difunctional nucleating agent regulating the crystal form and improving the Foamability of blocked copolymerized polypropylene in supercritical CO ₂ foaming process. <i>Journal of Polymer Research</i> , 2019, 26, 1. | 2.4 | 7 |
| 129 | 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 |
| 130 | Zinc pimelate as an effective $\hat{\pm}$ nucleating agent for isotactic polypropylene at elevated pressures and under rapid cooling rates. <i>Polymer Crystallization</i> , 2020, 3, e10132. | 0.8 | 7 |
| 131 | Polyol-pretreated SBA-16 supported Ni-Fe bimetallic catalyst applied in CO methanation at low temperature. <i>Molecular Catalysis</i> , 2021, 512, 111769. | 2.0 | 7 |
| 132 | Effective Phosphorylation of 2,2- $\hat{\pm}$ -Methylene-bis(4,6-di- <i>tert</i> -butyl) Phenol in Continuous Flow Reactors. <i>Organic Process Research and Development</i> , 2021, 25, 2060-2070. | 2.7 | 7 |
| 133 | N, S, O co-doped porous carbons derived from bio-based polybenzoxazine for efficient CO ₂ capture. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 646, 128845. | 4.7 | 7 |
| 134 | Surface properties and thermal stability of a novel low- $\hat{\pm}$ surface-energy polybenzoxazine/clay nanocomposites. <i>Polymer Composites</i> , 2012, 33, 1313-1320. | 4.6 | 6 |
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