

Min Jiang

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Novel "Rigid to Flexible" Biobased Polyesters Fully Derived from 5-Hydroxymethylfurfural: Promising as Sustainable UV Shielding and Gas Barrier Materials. ACS Sustainable Chemistry and Engineering, 2022, 10, 4404-4414. | 6.7 | 13 |
| 2 | Dynamics-Driven Controlled Polymerization to Synthesize Fully Renewable Poly(ester"ether)s. Macromolecules, 2022, 55, 190-200. | 4.8 | 10 |
| 3 | Bio-effects of bio-based and fossil-based microplastics: Case study with lettuce-soil system. Environmental Pollution, 2022, 306, 119395. | 7.5 | 14 |
| 4 | Development of a series of biobased poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 Td (2,5-furandicarboxylate-co-(5,5a"thiophenedicarboxylate)s) for food packaging materials. Green Chemistry, 2022, 24, 5181-5190. | 9.0 | 12 |
| 5 | Development of completely furfural-based renewable polyesters with controllable properties. Green Chemistry, 2021, 23, 2437-2448. | 9.0 | 20 |
| 6 | Development of High-Molecular-Weight Fully Renewable Biopolyesters Based on Oxabicyclic Diacid and 2,5-Furandicarboxylic Acid: Promising as Packaging and Medical Materials. ACS Sustainable Chemistry and Engineering, 2021, 9, 6799-6809. | 6.7 | 22 |
| 7 | Catalytic Aerobic Oxidation of Lignocellulose-Derived Levulinic Acid in Aqueous Solution: A Novel Route to Synthesize Dicarboxylic Acids for Bio-Based Polymers. ACS Catalysis, 2021, 11, 11588-11596. | 11.2 | 13 |
| 8 | Synergistic catalysis of imidazole acetate ionic liquids for the methanolysis of spiral poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 Td (2,5-furandicarboxylate-co-(5,5a"thiophenedicarboxylate)s) for food packaging materials. Green Chemistry, 2022, 24, 5181-5190. | 9.0 | 20 |
| 9 | High T _g and tough poly(butylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (2,5"thiophenedicarboxylate)s) and characterization. Journal of Applied Polymer Science, 2020, 137, 48634. | 2.6 | 10 |
| 10 | Fully bio-based polyesters poly(ethylene-co-1,5-pentylene 2,5-thiophenedicarboxylate)s (PEPTs) with high toughness: Synthesis, characterization and thermo-mechanical properties. Polymer, 2020, 204, 122800. | 3.8 | 12 |
| 11 | Bio-Based Polyesters with High Glass-Transition Temperatures and Gas Barrier Properties Derived from Renewable Rigid Tricyclic Diacid or Tetracyclic Anhydride. Macromolecules, 2020, 53, 5475-5486. | 4.8 | 23 |
| 12 | Poly(propylene naphthalate-co-propylene 2,5-furandicarboxylate)s derived from bio-based 2,5-furandicarboxylic acid (FDCA): Synthesis, characterization and thermo-mechanical properties. Polymer Degradation and Stability, 2020, 179, 109244. | 5.8 | 15 |
| 13 | Novel biobased high toughness PBAT/PEF blends: morphology, thermal properties, crystal structures and mechanical properties. New Journal of Chemistry, 2020, 44, 3112-3121. | 2.8 | 20 |
| 14 | A Brønsted Acidic Ionic Liquid as an Efficient and Selective Catalyst System for Bioderived High Molecular Weight Poly(ethylene 2,5"furandicarboxylate). ChemSusChem, 2019, 12, 4927-4935. | 6.8 | 26 |
| 15 | Biobased copolyesters: synthesis, crystallization behavior, thermal and mechanical properties of poly(ethylene glycol sebacate-co-ethylene glycol 2,5-furan dicarboxylate). RSC Advances, 2017, 7, 13798-13807. | 3.6 | 54 |
| 16 | Biobased multiblock copolymers: Synthesis, properties and shape memory performance of poly(ethylene 2,5-furandicarboxylate)-b-poly(ethylene glycol). Polymer Degradation and Stability, 2017, 144, 121-127. | 5.8 | 53 |
| 17 | Effective electron transfer between heteropoly blue and graphene oxide: a green approach to graphene synthesis. New Journal of Chemistry, 2014, 38, 3354. | 2.8 | 7 |
| 18 | Oxygen reduction in the nanocage of metal"organic frameworks with an electron transfer mediator. Journal of Materials Chemistry A, 2014, 2, 5323-5329. | 10.3 | 85 |

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|----|--|------|-----------|
| 19 | Electrolysis of ammonia for hydrogen production catalyzed by Pt and Pt-Ir deposited on nickel foam. Journal of Energy Chemistry, 2014, 23, 1-8. | 12.9 | 33 |
| 20 | A series of furanâ€aromatic polyesters synthesized via direct esterification method based on renewable resources. Journal of Polymer Science Part A, 2012, 50, 1026-1036. | 2.3 | 295 |
| 21 | Nanofibrous ultrahigh molecular weight polyethylene synthesized using TiCl ₄ as catalyst supported on MCM-41 and SBA-15. Polymer Bulletin, 2012, 68, 1565-1575. | 3.3 | 10 |