

# Zhencai Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5683099/publications.pdf>

Version: 2024-02-01

12  
papers

191  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of high-molecular weight isosorbide-based polycarbonates through efficient activation of endo-hydroxyl groups by an ionic liquid. <i>Green Chemistry</i> , 2019, 21, 3891-3901.	9.0	33
2	A non-phosgene process for bioderived polycarbonate with high molecular weight and advanced property profile synthesized using amino acid ionic liquids as catalysts. <i>Green Chemistry</i> , 2020, 22, 2534-2542.	9.0	28
3	Cost-Effective Synthesis of High Molecular Weight Biobased Polycarbonate via Melt Polymerization of Isosorbide and Dimethyl Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9968-9979.	6.7	27
4	Efficient synthesis of isosorbide-based polycarbonate with scalable dicationic ionic liquid catalysts by balancing the reactivity of the endo-OH and exo-OH. <i>Green Chemistry</i> , 2021, 23, 973-982.	9.0	24
5	One-pot synthesis of bio-based polycarbonates from dimethyl carbonate and isosorbide under metal-free condition. <i>Green Chemistry</i> , 2020, 22, 4550-4560.	9.0	22
6	Synthesis of bio-based polycarbonate via one-step melt polycondensation of isosorbide and dimethyl carbonate by dual site-functionalized ionic liquid catalysts. <i>Green Chemistry</i> , 2021, 23, 447-456.	9.0	16
7	Design and synthesis of gradient-refractive index isosorbide-based polycarbonates for optical uses. <i>Reactive and Functional Polymers</i> , 2022, 170, 105145.	4.1	11
8	Efficient activation of dimethyl carbonate to synthesize bio-based polycarbonate by eco-friendly amino acid ionic liquid catalyst. <i>Applied Catalysis A: General</i> , 2021, 617, 118111.	4.3	9
9	Highly Efficient and Selective Synthesis of Methyl Carbonate-Ended Polycarbonate Precursors from Dimethyl Carbonate and Bisphenol A. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13948-13955.	3.7	8
10	Acylamido-based anion-functionalized ionic liquids for efficient synthesis of poly(isosorbide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	4.1	7
11	One-pot synthesis of isosorbide-based copolycarbonate with good flexibility and tunable thermal property. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 398-407.	2.2	4
12	A paradigm for the efficient synthesis of bio-based polycarbonate with deep eutectic solvents as catalysts by inhibiting the degradation of molecular chains. <i>Green Chemistry</i> , 2021, 23, 4134-4143.	9.0	2