

# Rongchang Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,441  
citations

361413

20  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient synthesis of cyclic carbonates from epoxides catalyzed by salen aluminum complexes with built-in $\text{CO}_2$ capture capability under mild conditions. <i>Green Chemistry</i> , 2014, 16, 1496-1506.	9.0	125
2	Charged Metalloporphyrin Polymers for Cooperative Synthesis of Cyclic Carbonates from $\text{CO}_2$ under Ambient Conditions. <i>ChemSusChem</i> , 2017, 10, 2534-2541.	6.8	122
3	Metalloporphyrin Polymers with Intercalated Ionic Liquids for Synergistic $\text{CO}_2$ Fixation via Cyclic Carbonate Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1074-1082.	6.7	115
4	State-of-the-Art Aluminum Porphyrin-Based Heterogeneous Catalysts for the Chemical Fixation of $\text{CO}_2$ into Cyclic Carbonates at Ambient Conditions. <i>ChemCatChem</i> , 2017, 9, 767-773.	3.7	111
5	Recent Advances on Imidazolium-Functionalized Organic Cationic Polymers for $\text{CO}_2$ Adsorption and Simultaneous Conversion into Cyclic Carbonates. <i>ChemSusChem</i> , 2020, 13, 3945-3966.	6.8	106
6	Function-oriented ionic polymers having high-density active sites for sustainable carbon dioxide conversion. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9172-9182.	10.3	91
7	Recent advances in $\text{CO}_2$ capture and simultaneous conversion into cyclic carbonates over porous organic polymers having accessible metal sites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18408-18424.	10.3	91
8	New bi-functional zinc catalysts based on robust and easy-to-handle N-chelating ligands for the synthesis of cyclic carbonates from epoxides and $\text{CO}_2$ under mild conditions. <i>Green Chemistry</i> , 2014, 16, 4179-4189.	9.0	88
9	Metallosalen-Based Ionic Porous Polymers as Bifunctional Catalysts for the Conversion of $\text{CO}_2$ into Valuable Chemicals. <i>ChemSusChem</i> , 2017, 10, 1526-1533.	6.8	77
10	Metal- and solvent-free synthesis of cyclic carbonates from epoxides and $\text{CO}_2$ in the presence of graphite oxide and ionic liquid under mild conditions: A kinetic study. <i>Carbon</i> , 2015, 82, 1-11.	10.3	75
11	Photocatalytic Properties and Mechanistic Insights into Visible Light-Promoted Aerobic Oxidation of Sulfides to Sulfoxides via Tin Porphyrin-Based Porous Aromatic Frameworks. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4402-4411.	4.3	67
12	Cooperative Catalytic Activation of Si-H Bonds: $\text{CO}_2$ -Based Synthesis of Formamides from Amines and Hydrosilanes under Mild Conditions. <i>ChemSusChem</i> , 2017, 10, 1224-1232.	6.8	66
13	Imidazolium-based ionic liquid decorated zinc porphyrin catalyst for converting $\text{CO}_2$ into five-membered heterocyclic molecules. <i>Sustainable Energy and Fuels</i> , 2018, 2, 125-132.	4.9	59
14	Synthesis of cyclic carbonates from epoxides over bifunctional salen aluminum oligomers as a $\text{CO}_2$ -philic catalyst: Catalytic and kinetic investigation. <i>Journal of <math>\text{CO}_2</math> Utilization</i> , 2017, 19, 257-265.	6.8	41
15	Stable chiral salen Mn(III) complexes with built-in phase-transfer capability for the asymmetric epoxidation of unfunctionalized olefins using NaOCl as an oxidant. <i>Journal of Catalysis</i> , 2012, 287, 170-177.	6.2	38
16	Synthesis of metalloporphyrin-based porous organic polymers and their functionalization for conversion of $\text{CO}_2$ into cyclic carbonates: recent advances, opportunities and challenges. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25731-25749.	10.3	38
17	Recyclable bifunctional aluminum salen catalyst for $\text{CO}_2$ fixation: the efficient formation of five-membered heterocyclic compounds. <i>Science China Chemistry</i> , 2017, 60, 979-989.	8.2	29
18	Click-Based Porous Ionic Polymers with Intercalated High-Density Metalloporphyrin for Sustainable $\text{CO}_2$ Transformation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 20269-20277.	3.7	26

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19	Reusable chiral salen Mn(III) complexes with phase transfer capability efficiently catalyze the asymmetric epoxidation of unfunctionalized olefins with NaClO. <i>Applied Catalysis A: General</i> , 2015, 491, 106-115.	4.3	20
20	Tannic Acid as a Polyphenol Material-Assisted Synthesis of Cyclic Carbonates Using CO <sub>2</sub> as a Feedstock: Kinetic Characteristic and Mechanism Studies. <i>Chinese Journal of Chemistry</i> , 2017, 35, 659-664.	4.9	20
21	Transformation of carbon dioxide into valuable chemicals over bifunctional metallosalen catalysts bearing quaternary phosphonium salts. <i>Chinese Journal of Catalysis</i> , 2017, 38, 736-744.	14.0	15
22	Synergistically Converting Carbon Dioxide into Cyclic Carbonates by Metalloporphyrin-Based Cationic Polymers with Imidazolium Functionality. <i>ChemistrySelect</i> , 2021, 6, 583-588.	1.5	11
23	Zinc phthalocyanine as an efficient catalyst for halogen-free synthesis of formamides from amines via carbon dioxide hydrosilylation under mild conditions. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1382-1389.	14.0	10