Rongchang Luo

List of Publications by Year
in descending order

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	Synergistically Converting Carbon Dioxide into Cyclic Carbonates by Metalloporphyrinâ€Based Cationic Polymers with Imidazolium Functionality. ChemistrySelect, 2021, 6, 583-588.	1.5	11
2	Synthesis of metalloporphyrin-based porous organic polymers and their functionalization for conversion of CO₂into cyclic carbonates: recent advances, opportunities and challenges. Journal of Materials Chemistry A, 2021, 9, 25731-25749.	10.3	38
3	Recent advances in CO₂capture and simultaneous conversion into cyclic carbonates over porous organic polymers having accessible metal sites. Journal of Materials Chemistry A, 2020, 8, 18408-18424.	10.3	91
4	Click-Based Porous Ionic Polymers with Intercalated High-Density Metalloporphyrin for Sustainable CO₂ Transformation. Industrial & Engineering Chemistry Research, 2020, 59, 20269-20277.	3.7	26
5	Recent Advances on Imidazoliumâ€Functionalized Organic Cationic Polymers for CO₂ Adsorption and Simultaneous Conversion into Cyclic Carbonates. ChemSusChem, 2020, 13, 3945-3966.	6.8	106
6	Function-oriented ionic polymers having high-density active sites for sustainable carbon dioxide conversion. Journal of Materials Chemistry A, 2018, 6, 9172-9182.	10.3	91
7	Imidazolium-based ionic liquid decorated zinc porphyrin catalyst for converting CO₂ into five-membered heterocyclic molecules. Sustainable Energy and Fuels, 2018, 2, 125-132.	4.9	59
8	Metalloporphyrin Polymers with Intercalated Ionic Liquids for Synergistic CO₂ Fixation via Cyclic Carbonate Production. ACS Sustainable Chemistry and Engineering, 2018, 6, 1074-1082.	6.7	115
9	Photocatalytic Properties and Mechanistic Insights into Visible Lightâ€Promoted Aerobic Oxidation of Sulfides to Sulfoxides via Tin Porphyrinâ€Based Porous Aromatic Frameworks. Advanced Synthesis and Catalysis, 2018, 360, 4402-4411.	4.3	67
10	Tannic Acid as a Polyphenol Materialâ€Assisted Synthesis of Cyclic Carbonates Using CO₂ as a Feedstock: Kinetic Characteristic and Mechanism Studies. Chinese Journal of Chemistry, 2017, 35, 659-664.	4.9	20
11	Recyclable bifunctional aluminum salen catalyst for CO2 fixation: the efficient formation of five-membered heterocyclic compounds. Science China Chemistry, 2017, 60, 979-989.	8.2	29
12	Charged Metalloporphyrin Polymers for Cooperative Synthesis of Cyclic Carbonates from CO₂ under Ambient Conditions. ChemSusChem, 2017, 10, 2534-2541.	6.8	122
13	Transformation of carbon dioxide into valuable chemicals over bifunctional metallosalen catalysts bearing quaternary phosphonium salts. Chinese Journal of Catalysis, 2017, 38, 736-744.	14.0	15
14	Synthesis of cyclic carbonates from epoxides over bifunctional salen aluminum oligomers as a CO 2 -philic catalyst: Catalytic and kinetic investigation. Journal of CO2 Utilization, 2017, 19, 257-265.	6.8	41
15	Stateâ€ofâ€theâ€Art Aluminum Porphyrinâ€based Heterogeneous Catalysts for the Chemical Fixation of CO₂ into Cyclic Carbonates at Ambient Conditions. ChemCatChem, 2017, 9, 767-773.	3.7	111
16	Metallosalenâ€Based Ionic Porous Polymers as Bifunctional Catalysts for the Conversion of CO₂ into Valuable Chemicals. ChemSusChem, 2017, 10, 1526-1533.	6.8	77
17	Zinc phthalocyanine as an efficient catalyst for halogen-free synthesis of formamides from amines via carbon dioxide hydrosilylation under mild conditions. Chinese Journal of Catalysis, 2017, 38, 1382-1389.	14.0	10
18	Cooperative Catalytic Activation of Siâ€'H Bonds: CO₂â€Based Synthesis of Formamides from Amines and Hydrosilanes under Mild Conditions. ChemSusChem, 2017, 10, 1224-1232.	6.8	66

#	Article	IF	Citations
19	Reusable chiral salen Mn(III) complexes with phase transfer capability efficiently catalyze the asymmetric epoxidation of unfunctionalized olefins with NaClO. Applied Catalysis A: General, 2015, 491, 106-115.	4.3	20
20	Metal- and solvent-free synthesis of cyclic carbonates from epoxides and CO2 in the presence of graphite oxide and ionic liquid under mild conditions: A kinetic study. Carbon, 2015, 82, 1-11.	10.3	75
21	Highly efficient synthesis of cyclic carbonates from epoxides catalyzed by salen aluminum complexes with built-in â€œCO₂ captureâ€•capability under mild conditions. Green Chemistry, 2014, 16, 1496-1506.	9.0	125
22	New bi-functional zinc catalysts based on robust and easy-to-handle N-chelating ligands for the synthesis of cyclic carbonates from epoxides and CO₂ under mild conditions. Green Chemistry, 2014, 16, 4179-4189.	9.0	88
23	Stable chiral salen Mn(III) complexes with built-in phase-transfer capability for the asymmetric epoxidation of unfunctionalized olefins using NaOCl as an oxidant. Journal of Catalysis, 2012, 287, 170-177.	6.2	38