

Parth Patel

List of Publications by Year in descending order

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papers

862
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471509

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#	ARTICLE	IF	CITATIONS
1	Efficient catalytic conversion of terminal/internal epoxides to cyclic carbonates by porous Co(^{II}) MOF under ambient conditions: structure–property correlation and computational studies. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2884-2894.	10.3	96
2	Highly Active Ultrasmall Ni Nanoparticle Embedded Inside a Robust Metal–Organic Framework: Remarkably Improved Adsorption, Selectivity, and Solvent-Free Efficient Fixation of CO ₂ . <i>Inorganic Chemistry</i> , 2019, 58, 8100-8110.	4.0	67
3	Cycloaddition of CO ₂ with an Epoxide-Bearing Oxindole Scaffold by a Metal–Organic Framework-Based Heterogeneous Catalyst under Ambient Conditions. <i>Inorganic Chemistry</i> , 2019, 58, 10084-10096.	4.0	65
4	Amine-functionalized Zn(^{II}) MOF as an efficient multifunctional catalyst for CO ₂ utilization and sulfoxidation reaction. <i>Dalton Transactions</i> , 2018, 47, 8041-8051.	3.3	64
5	Efficient Solvent-Free Carbon Dioxide Fixation Reactions with Epoxides Under Mild Conditions by Mixed-Ligand Zinc(II) Metal–Organic Frameworks. <i>ChemCatChem</i> , 2018, 10, 2401-2408.	3.7	60
6	Efficient heterogeneous catalysis by dual ligand Zn(^{II})/Cd(^{II}) MOFs for the Knoevenagel condensation reaction: adaptable synthetic routes, characterization, crystal structures and luminescence studies. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2630-2640.	6.0	59
7	Hydrogenation of Furfural with Nickel Nanoparticles Stabilized on Nitrogen-Rich Carbon Core–Shell and Its Transformations for the Synthesis of γ -Valerolactone in Aqueous Conditions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24480-24490.	8.0	55
8	The synthesis and characterization of Zn(^{II})/Cd(^{II}) based MOFs by a mixed ligand strategy: a Zn(^{II}) MOF as a dual functional material for reversible dye adsorption and as a heterogeneous catalyst for the Biginelli reaction. <i>Materials Chemistry Frontiers</i> , 2021, 5, 304-314.	5.9	52
9	Cycloaddition Reaction of Spiro-Epoxy Oxindole with CO ₂ at Atmospheric Pressure Using Deep Eutectic Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11200-11205.	6.7	46
10	CO ₂ fixation by cycloaddition of mono/disubstituted epoxides using acyl amide decorated Co(II) MOF as a synergistic heterogeneous catalyst. <i>Applied Catalysis A: General</i> , 2020, 590, 117375.	4.3	42
11	Sustainable Heterogeneous Catalysts for CO ₂ Utilization by Using Dual Ligand Zn ^{II} /Cd ^{II} Metal–Organic Frameworks. <i>Chemistry - A European Journal</i> , 2018, 24, 15831-15839.	3.3	36
12	Co@N-doped carbon nanomaterial derived by simple pyrolysis of mixed-ligand MOF as an active and stable oxygen evolution electrocatalyst. <i>Applied Surface Science</i> , 2020, 529, 147081.	6.1	36
13	Cucurbit[6]uril-Stabilized Palladium Nanoparticles as a Highly Active Catalyst for Chemoselective Hydrogenation of Various Reducible Groups in Aqueous Media. <i>ChemistrySelect</i> , 2017, 2, 9911-9919.	1.5	35
14	Synergy of Dual Functional Sites for Conversion of CO ₂ in a Cycloaddition Reaction under Solvent-Free Conditions by a Zn(II)-Based Coordination Network with a Ladder Motif. <i>Crystal Growth and Design</i> , 2021, 21, 1833-1842.	3.0	33
15	Nitrogen-rich graphitic-carbon stabilized cobalt nanoparticles for chemoselective hydrogenation of nitroarenes at milder conditions. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 806-813.	6.0	32
16	Regioselective Ring-Opening of Spiro-Epoxyoxindoles by a Dual-Ligand Zinc-Based Metal–Organic Framework as an Efficient Heterogeneous Catalyst. <i>ACS Applied Nano Materials</i> , 2022, 5, 3712-3721.	5.0	26
17	Nitrogen-rich graphitic carbon stabilized cobalt nanoparticles as an effective heterogeneous catalyst for hydrogenation of CO ₂ to formate. <i>Journal of CO₂ Utilization</i> , 2018, 25, 310-314.	6.8	20
18	Controlled assembly of cobalt embedded N-doped graphene nanosheets (Co@NGr) by pyrolysis of a mixed ligand Co(^{II}) MOF as a sacrificial template for high-performance electrocatalysts. <i>RSC Advances</i> , 2021, 11, 21179-21188.	3.6	9

#	ARTICLE	IF	CITATIONS
19	Glycoluril: A heterogeneous organocatalyst for oxidation of alcohols and benzylic sp ³ carbons. <i>Applied Catalysis A: General</i> , 2018, 565, 127-134.	4.3	8
20	Ring-opening hydrolysis of spiro-epoxyoxindoles using a reusable sulfonic acid functionalized nitrogen rich carbon catalyst. <i>RSC Advances</i> , 2021, 11, 12808-12814.	3.6	6
21	Copper Hydrotalcite (Cu-HT) as an Efficient Catalyst for the Hydrogenation of CO ₂ to Formic Acid. <i>Current Catalysis</i> , 2020, 9, 59-71.	0.5	6
22	Chiral Cu(II)-N ₄ Complex Catalyzed Asymmetric Aza-Henry Reaction and Its Application in the Synthesis of <i>1,2</i> -Diamine. <i>ChemistrySelect</i> , 2017, 2, 4063-4067.	1.5	5
23	Immobilization of an acid–base cooperative catalyst on MCM-41 as a heterogeneous approach for the asymmetric cyanoethoxycarbonylation of isatins. <i>New Journal of Chemistry</i> , 2019, 43, 14511-14517.	2.8	4