Xinlin Hong

List of Publications by Year
in descending order

47 papers	2,227 citations	23 h-index	47 g-index
49 all docs	49 docs citations	49 times ranked	2406 citing authors

279798

214800

#	Article	IF	Citations
1	Selective C₂₊ alcohol synthesis by CO₂ hydrogenation <i>via</i> a reaction-coupling strategy. Catalysis Science and Technology, 2022, 12, 1539-1550.	4.1	7
2	BrÃ¸nsted acid-enhanced CoMoS catalysts for hydrodeoxygenation reactions. Catalysis Science and Technology, 2022, 12, 3426-3430.	4.1	5
3	Sulfate-Promoted Higher Alcohol Synthesis from CO₂ Hydrogenation. ACS Sustainable Chemistry and Engineering, 2022, 10, 8980-8987.	6.7	10
4	Advances in higher alcohol synthesis from CO2 hydrogenation. CheM, 2021, 7, 849-881.	11.7	129
5	Highly dispersed metal doping to ZnZr oxide catalyst for CO2 hydrogenation to methanol: Insight into hydrogen spillover. Journal of Catalysis, 2021, 393, 207-214.	6.2	83
6	Spinel ZnFe₂O₄ Regulates Copper Sites for CO₂ Hydrogenation to Methanol. ACS Sustainable Chemistry and Engineering, 2021, 9, 4033-4041.	6.7	30
7	Tailoring of Surface Acidic Sites in Coâ€"MoS₂ Catalysts for Hydrodeoxygenation Reaction. Journal of Physical Chemistry Letters, 2021, 12, 5668-5674.	4.6	14
8	Tandem Catalysis of Direct CO₂ Hydrogenation to Higher Alcohols. ACS Catalysis, 2021, 11, 8978-8984.	11.2	42
9	Fabrication of PdZn alloy catalysts supported on ZnFe composite oxide for CO2 hydrogenation to methanol. Journal of Colloid and Interface Science, 2021, 597, 260-268.	9.4	18
10	In Situ Generation of the Cu@3D-ZrO_{<i>x</i>} Framework Catalyst for Selective Methanol Synthesis from CO₂/H₂. ACS Catalysis, 2020, 10, 93-102.	11.2	84
11	Mechanistic Aspects of the Role of K Promotion on Cuâ€"Fe-Based Catalysts for Higher Alcohol Synthesis from CO₂ Hydrogenation. ACS Catalysis, 2020, 10, 14516-14526.	11.2	89
12	In Situ Formation of CoMoS Interfaces for Selective Hydrodeoxygenation of <i>p</i>-Cresol to Toluene. Industrial & Engineering Chemistry Research, 2020, 59, 15921-15928.	3.7	16
13	Carboxyl groups as active sites for H2O2 decomposition in photodegradation over graphene oxide/polythiophene composites. Applied Surface Science, 2020, 524, 146397.	6.1	10
14	Selective C₂₊ Alcohol Synthesis from Direct CO₂ Hydrogenation over a Cs-Promoted Cu-Fe-Zn Catalyst. ACS Catalysis, 2020, 10, 5250-5260.	11.2	108
15	Plasmonâ€Assisted Photothermal Catalysis of Lowâ€Pressure CO₂ Hydrogenation to Methanol over Pd/ZnO Catalyst. ChemCatChem, 2019, 11, 1598-1601.	3.7	58
16	Confinement of subnanometric PdZn at a defect enriched ZnO/ZIF-8 interface for efficient and selective CO₂ hydrogenation to methanol. Journal of Materials Chemistry A, 2019, 7, 23878-23885.	10.3	50
17	Cu@ZIF-8 derived inverse ZnO/Cu catalyst with sub-5 nm ZnO for efficient CO₂ hydrogenation to methanol. Catalysis Science and Technology, 2019, 9, 2673-2681.	4.1	38
18	Pd@zeolitic imidazolate framework-8 derived PdZn alloy catalysts for efficient hydrogenation of CO2 to methanol. Applied Catalysis B: Environmental, 2018, 234, 143-152.	20.2	122

#	Article	IF	Citations
19	Hydrogen spillover enabled active Cu sites for methanol synthesis from CO2 hydrogenation over Pd doped CuZn catalysts. Journal of Catalysis, 2018, 359, 17-26.	6.2	125
20	Transparent superhydrophobic hollow films (TSHFs) with superior thermal stability and moisture resistance. RSC Advances, 2018, 8, 491-498.	3.6	26
21	Highly Efficient Metalâ€Free Visible Light Driven Photocatalyst: Graphene Oxide/Polythiophene Composite. ChemistrySelect, 2017, 2, 5578-5586.	1.5	9
22	A promising low pressure methanol synthesis route from CO₂ hydrogenation over Pd@Zn coreâ€“shell catalysts. Green Chemistry, 2017, 19, 270-280.	9.0	82
23	Surfaceâ€Atom Dependence of ZnOâ€Supported Ag@Pd Core@Shell Nanocatalysts in CO₂ Hydrogenation to CH₃OH. ChemCatChem, 2017, 9, 924-928.	3.7	30
24	Hydrazineâ€Assisted Liquid Exfoliation of MoS₂ for Catalytic Hydrodeoxygenation of 4â€Methylphenol. Chemistry - A European Journal, 2016, 22, 2910-2914.	3.3	52
25	Enhanced CO2 hydrogenation to methanol over CuZn nanoalloy in Ga modified Cu/ZnO catalysts. Journal of Catalysis, 2016, 343, 157-167.	6.2	152
26	Morphology effect of polythiophene catalysts on photo-degradation of methylene blue. RSC Advances, 2016, 6, 74968-74972.	3.6	10
27	A tunable metalâ€“polyaniline interface for efficient carbon dioxide electro-reduction to formic acid and methanol in aqueous solution. Chemical Communications, 2016, 52, 13901-13904.	4.1	36
28	PdPt@Au core@shell nanoparticles: Alloyed-core manipulation of CO electrocatalytic oxidation properties. Catalysis Communications, 2016, 83, 70-73.	3.3	5
29	Pore size controlled synthesis of SiO2 colloidal crystal. Journal of Porous Materials, 2016, 23, 845-850.	2.6	6
30	A novel alkali and cosolvent thickening mechanism for latex. New Journal of Chemistry, 2015, 39, 8984-8992.	2.8	3
31	Surface characterization of trimethoxysilane-containing high-solid hydroxyl acrylic resin films. E-Polymers, 2015, 15, 345-351.	3.0	7
32	Probing the Size and Shape Effects of Cubicâ€•and Sphericalâ€Shaped Palladium Nanoparticles in the Electrooxidation of Formic Acid. ChemCatChem, 2015, 7, 3826-3831.	3.7	15
33	Photo and electronic excitation for low temperature catalysis over metal nanoparticles using an organic semiconductor. RSC Advances, 2014, 4, 47488-47496.	3.6	6
34	Palladium on iron oxide nanoparticles: the morphological effect of the support in glycerol hydrogenolysis. Green Chemistry, 2013, 15, 2064.	9.0	25
35	In situ formation of gold nanoparticles in alkylamineâ€“polyol assemblies. New Journal of Chemistry, 2013, 37, 2969.	2.8	1
36	Electronic Modulation of a Copper/Zinc Oxide Catalyst by a Heterojunction for Selective Hydrogenation of Carbon Dioxide to Methanol. Angewandte Chemie - International Edition, 2012, 51, 5832-5836.	13.8	126

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37	Effect of hydrophilic chain length on the aqueous solution behavior of block amphiphilic copolymers PMMAâ€<i>b</i>â€PDMAEMA. Journal of Applied Polymer Science, 2012, 124, 202-208.	2.6	23
38	Morphologyâ€Dependent Interactions of ZnO with Cu Nanoparticles at the Materialsâ€™ Interface in Selective Hydrogenation of CO₂ to CH₃OH. Angewandte Chemie - International Edition, 2011, 50, 2162-2165.	13.8	359
39	Graft polymers prepared by catalytic chain transfer polymerization (CCTP) and applied as solvent-borne dispersants for carbon black dispersions of high solid. E-Polymers, 2010, 10, .	3.0	0
40	A novel ligand for atom transfer radical polymerization. Polymer Bulletin, 2009, 62, 777-789.	3.3	4
41	Atom transfer radical polymerization of methyl methacrylate in a novel ionic liquid and recycling of the catalyst. Journal of Applied Polymer Science, 2008, 108, 3683-3689.	2.6	18
42	Pyrrolidin-2-one Structure Derivatives as Novel Ligands for Copper-based Atom Transfer Radical Polymerization (ATRP). Polymer Journal, 2008, 40, 428-435.	2.7	1
43	Thermoreversible organogels formed in a polyol system for the preparation of Sn nanoparticles encapsulated in carbon. Journal of Materials Chemistry, 2008, 18, 5445.	6.7	13
44	A novel alkoxysilane-modified high solids hydroxyl acrylic polyurethane: Preparation and surface properties. Journal of Applied Polymer Science, 2006, 101, 1866-1871.	2.6	11
45	Influence of surfactants on the parameters of polylactide nanocapsules containing insulin. Journal of Surfactants and Detergents, 2005, 8, 353-358.	2.1	27
46	Synthesis and Characterization of Mesoporous Manganese Oxides. Journal of Materials Synthesis and Processing, 2002, 10, 297-302.	0.3	8
47	Direct electrochemical reduction of ethyl isonicotinate to 4-pyridinemethanol in an undivided flow reactor. Journal of Flow Chemistry, 0, , 1.	1.9	1