

Hai-Yang Cheng

List of Publications by Year in descending order

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papers

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citations

218677

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58
all docs

58
docs citations

58
times ranked

2451
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic oligourea synthesized from CO ₂ : Purification, characterization and properties. Green Energy and Environment, 2022, 7, 477-484.	8.7	3
2	A self-healing and recyclable poly(urea-imine) thermoset synthesized from CO ₂ . Green Chemistry, 2022, 24, 1561-1569.	9.0	21
3	A self-healing and recyclable polyurethane-urea Diels-Alder adduct synthesized from carbon dioxide and furfuryl amine. Green Chemistry, 2021, 23, 552-560.	9.0	76
4	Chlorine-Modified Ru/TiO ₂ Catalyst for Selective Guaiacol Hydrodeoxygenation. ACS Sustainable Chemistry and Engineering, 2021, 9, 3083-3094.	6.7	40
5	Photocatalytic Reduction of Aromatic Nitro Compounds with Ag/Ag _x S Composites under Visible Light Irradiation. Journal of Physical Chemistry C, 2021, 125, 26021-26030.	3.1	8
6	Hydrodeoxygenation of ethyl stearate over Re-promoted Ru/TiO ₂ catalysts: rate enhancement and selectivity control by the addition of Re. Catalysis Science and Technology, 2020, 10, 222-230.	4.1	17
7	New Kind of Thermoplastic Polyurea Elastomers Synthesized from CO ₂ and with Self-Healing Properties. ACS Sustainable Chemistry and Engineering, 2020, 8, 12677-12685.	6.7	18
8	Synthesis of Polyurea Thermoplastics through a Nonisocyanate Route Using CO ₂ and Aliphatic Diamines. ACS Sustainable Chemistry and Engineering, 2020, 8, 18626-18635.	6.7	14
9	Transformation of Î³-valerolactone into 1,4-pentanediol and 2-methyltetrahydrofuran over Zn-promoted Cu/Al ₂ O ₃ catalysts. Catalysis Science and Technology, 2020, 10, 4412-4423.	4.1	28
10	Selective N-Methylation of <i>N</i> -Methylaniline with CO ₂ and H ₂ over TiO ₂ -Supported PdZn Catalyst. ACS Catalysis, 2020, 10, 3285-3296.	11.2	33
11	Seed- and solvent-free synthesis of ZSM-5 with tuneable Si/Al ratios for biomass hydrogenation. Green Chemistry, 2020, 22, 1630-1638.	9.0	17
12	Pt/TiH ₂ Catalyst for Ionic Hydrogenation via Stored Hydrides in the Presence of Gaseous H ₂ . ACS Catalysis, 2019, 9, 6425-6434.	11.2	39
13	A green and recyclable ligand-free copper (I) catalysis system for amination of halonitrobenzenes in aqueous ammonia solution. Molecular Catalysis, 2019, 475, 110462.	2.0	5
14	<i>N</i> -Methylation of <i>N</i> -Methylaniline with Carbon Dioxide and Molecular Hydrogen over a Heterogeneous Non-Noble Metal Cu/TiO ₂ Catalyst. ChemCatChem, 2019, 11, 3919-3926.	3.7	19
15	Direct Synthesis of Polyurea Thermoplastics from CO ₂ and Diamines. ACS Applied Materials & Interfaces, 2019, 11, 47413-47421.	8.0	37
16	Synthesis of Polyurea via the Addition of Carbon Dioxide to a Diamine Catalyzed by Organic and Inorganic Bases. Advanced Synthesis and Catalysis, 2019, 361, 317-325.	4.3	33
17	The promoting effects of CO ₂ and H ₂ O on selective hydrogenations in CO ₂ /H ₂ O biphasic system. Current Opinion in Green and Sustainable Chemistry, 2018, 10, 46-50.	5.9	3
18	Solvent effects on heterogeneous catalysis in the selective hydrogenation of cinnamaldehyde over a conventional Pd/C catalyst. Catalysis Science and Technology, 2018, 8, 3580-3589.	4.1	49

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19	A green process for production of p -aminophenol from nitrobenzene hydrogenation in CO ₂ /H ₂ O: The promoting effects of CO ₂ and H ₂ O. Journal of CO ₂ Utilization, 2017, 18, 229-236.	6.8	7
20	Synthesis of polyureas with CO ₂ as carbonyl building block and their high performances. Journal of CO ₂ Utilization, 2017, 19, 209-213.	6.8	17
21	Reductive amination of 1,6-hexanediol with Ru/Al ₂ O ₃ catalyst in supercritical ammonia. Science China Chemistry, 2017, 60, 920-926.	8.2	18
22	Metal-free catalytic conversion of CO ₂ and glycerol to glycerol carbonate. Green Chemistry, 2017, 19, 1775-1781.	9.0	64
23	Colorless polyimides derived from 2R,5R,7S,10S-naphthantetracarboxylic dianhydride. Polymer Chemistry, 2017, 8, 6165-6172.	3.9	62
24	Synthesis of polyurea from 1,6-hexanediamine with CO ₂ through a two-step polymerization. Green Energy and Environment, 2017, 2, 370-376.	8.7	51
25	Aerobic Catalytic Oxidation of Cyclohexene over TiZrCo Catalysts. Catalysts, 2016, 6, 24.	3.5	13
26	Synthesis of a novel hydrophobic polyurea gel from CO ₂ and amino-modified polysiloxane. Journal of CO ₂ Utilization, 2016, 15, 131-135.	6.8	22
27	A facile strategy for confining ZnPd nanoparticles into a ZnO@Al ₂ O ₃ support: A stable catalyst for glycerol hydrogenolysis. Journal of Catalysis, 2016, 337, 284-292.	6.2	28
28	PdGa/TiO ₂ an efficient heterogeneous catalyst for direct methylation of N-methylaniline with CO ₂ /H ₂ . RSC Advances, 2016, 6, 103650-103656.	3.6	25
29	Hydrogenation of levulinic acid by RuCl ₂ (PPh ₃) ₃ in supercritical CO ₂ : the significance of structural changes of Ru complexes via interaction with CO ₂ . Green Chemistry, 2016, 18, 3370-3377.	9.0	25
30	Highly selective Pt/ordered mesoporous TiO ₂ –SiO ₂ catalysts for hydrogenation of cinnamaldehyde: The promoting role of Ti ²⁺ . Journal of Colloid and Interface Science, 2016, 463, 75-82.	9.4	58
31	Effect of Phosphine Doping and the Surface Metal State of Ni on the Catalytic Performance of Ni/Al ₂ O ₃ Catalyst. Catalysts, 2015, 5, 759-773.	3.5	25
32	Utilization of carbon dioxide to build a basic block for polymeric materials: an isocyanate-free route to synthesize a soluble oligourea. RSC Advances, 2015, 5, 42095-42100.	3.6	28
33	A Study on the Oxygen Vacancies in ZnPd/ZnO@Al and their Promoting Role in Glycerol Hydrogenolysis. ChemCatChem, 2015, 7, 1322-1328.	3.7	10
34	A stable and active Ag _x S crystal preparation and its performance as photocatalyst. Chinese Journal of Catalysis, 2015, 36, 564-571.	14.0	10
35	Selective Hydrogenation of m-Dinitrobenzene to m-Nitroaniline over Ru-SnO _x /Al ₂ O ₃ Catalyst. Catalysts, 2014, 4, 276-288.	3.5	17
36	Supported polyethylene glycol stabilized platinum nanoparticles for chemoselective hydrogenation of halonitrobenzenes in scCO ₂ . Journal of Colloid and Interface Science, 2014, 415, 1-6.	9.4	13

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37	Selective hydrogenation of o-chloronitrobenzene over anatase-ferric oxides supported Ir nanocomposite catalyst. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 200-206.	9.4	11
38	The effect of water on the hydrogenation of o-chloronitrobenzene in ethanol, n-heptane and compressed carbon dioxide. <i>Applied Catalysis A: General</i> , 2013, 455, 8-15.	4.3	25
39	High performance of Ir-promoted Ni/TiO ₂ catalyst toward the selective hydrogenation of cinnamaldehyde. <i>Journal of Catalysis</i> , 2013, 303, 110-116.	6.2	132
40	Polyureas from diamines and carbon dioxide: synthesis, structures and properties. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 464-468.	2.8	72
41	Selective reduction of phenol derivatives to cyclohexanones in water under microwave irradiation. <i>New Journal of Chemistry</i> , 2012, 36, 1085.	2.8	52
42	Highly selective and efficient catalytic conversion of ethyl stearate into liquid hydrocarbons over a Ru/TiO ₂ catalyst under mild conditions. <i>Catalysis Science and Technology</i> , 2012, 2, 1328.	4.1	20
43	Selective conversion of microcrystalline cellulose into hexitols on nickel particles encapsulated within ZSM-5 zeolite. <i>Green Chemistry</i> , 2012, 14, 2146.	9.0	67
44	Fabrication of Co(OH) ₂ coated Pt nanoparticles as an efficient catalyst for chemoselective hydrogenation of halonitrobenzenes. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 322-327.	9.4	8
45	Knitting an oxygenated network-coat on carbon nanotubes from biomass and their applications in catalysis. <i>Journal of Materials Chemistry</i> , 2011, 21, 10929.	6.7	26
46	A new strategy for finely controlling the metal (oxide) coating on colloidal particles with tunable catalytic properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 6654.	6.7	26
47	An effective medium of H ₂ O and low-pressure CO ₂ for the selective hydrogenation of aromatic nitro compounds to anilines. <i>Green Chemistry</i> , 2011, 13, 570.	9.0	51
48	Selective conversion of concentrated microcrystalline cellulose to isosorbide over Ru/C catalyst. <i>Green Chemistry</i> , 2011, 13, 839.	9.0	80
49	Selective hydrogenation of chloronitrobenzene to chloroaniline in supercritical carbon dioxide over Ni/TiO ₂ : Significance of molecular interactions. <i>Journal of Catalysis</i> , 2010, 269, 131-139.	6.2	92
50	Transfer hydrogenation of citral to citronellol with Ru complexes in the mixed solvent of water and polyethylene glycol. <i>Applied Organometallic Chemistry</i> , 2010, 24, 763-766.	3.5	16
51	Hydrogenation of phenol with supported Rh catalysts in the presence of compressed CO ₂ : Its effects on reaction rate, product selectivity and catalyst life. <i>Journal of Supercritical Fluids</i> , 2010, 54, 190-201.	3.2	44
52	Synthesis of urea derivatives from amines and CO ₂ in the absence of catalyst and solvent. <i>Green Chemistry</i> , 2010, 12, 1811.	9.0	144
53	A green and efficient route for preparation of supported metal colloidal nanoparticles in scCO ₂ . <i>Green Chemistry</i> , 2010, 12, 1417.	9.0	8
54	Selective hydrogenation of nitrobenzene to aniline in dense phase carbon dioxide over Ni/β-Al ₂ O ₃ : Significance of molecular interactions. <i>Journal of Catalysis</i> , 2009, 264, 1-10.	6.2	138

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55	Polyethylene glycol-stabilized platinum nanoparticles: The efficient and recyclable catalysts for selective hydrogenation of o-chloronitrobenzene to o-chloroaniline. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 675-678.	9.4	46
56	Cyclization of citronellal to p-menthane-3,8-diols in water and carbon dioxide. <i>Green Chemistry</i> , 2009, 11, 1227.	9.0	31
57	Selective hydrogenation of unsaturated aldehydes in a poly(ethylene glycol)/compressed carbon dioxide biphasic system. <i>Green Chemistry</i> , 2008, 10, 1082.	9.0	26
58	Influence of Brønsted acid sites on the product distribution in the hydrodeoxygenation of methyl laurate over supported Ru catalysts. <i>Catalysis Science and Technology</i> , 0, , .	4.1	0