Huan Wang

List of Publications by Year
in descending order

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46 papers	993 citations	430874 18 h-index	454955 30 g-index
49 all docs	49 docs citations	49 times ranked	995 citing authors

#	Article	IF	Citations
1	Asymmetric electrochemical carboxylation of prochiral acetophenone: An efficient route to optically active atrolactic acid via selective fixation of carbon dioxide. Journal of Electroanalytical Chemistry, 2009, 630, 35-41.	3.8	76
2	Asymmetric electrocarboxylation of 1-phenylethyl chloride catalyzed by electrogenerated chiral [CoI(salen)]â˜ complex. Electrochemistry Communications, 2014, 42, 55-59.	4.7	75
3	Morphology-controlled CuO nanoparticles for electroreduction of CO₂ to ethanol. RSC Advances, 2014, 4, 37329-37332.	3.6	71
4	Efficient electrochemical reduction of CO2 to ethanol on Cu nanoparticles decorated on N-doped graphene oxide catalysts. Journal of CO2 Utilization, 2019, 33, 452-460.	6.8	66
5	Selective electrochemical reduction of CO₂ to different alcohol products by an organically doped alloy catalyst. Green Chemistry, 2016, 18, 3216-3220.	9.0	63
6	Organically doped palladium: a highly efficient catalyst for electroreduction of CO₂to methanol. Green Chemistry, 2015, 17, 5144-5148.	9.0	62
7	Entrapment of a pyridine derivative within a copperâ€“palladium alloy: a bifunctional catalyst for electrochemical reduction of CO₂ to alcohols with excellent selectivity and reusability. Catalysis Science and Technology, 2016, 6, 6490-6494.	4.1	51
8	CO2 as a C1-organic building block: Enantioselective electrocarboxylation of aromatic ketones with CO2catalyzed by cinchona alkaloids under mild conditions. Electrochimica Acta, 2014, 116, 475-483.	5.2	49
9	Entrapment of a chiral cobalt complex within silver: a novel heterogeneous catalyst for asymmetric carboxylation of benzyl bromides with CO₂. Chemical Communications, 2015, 51, 12216-12219.	4.1	43
10	Entrapment of alkaloids within silver: from enantioselective hydrogenation to chiral recognition. Chemical Communications, 2014, 50, 8868-8870.	4.1	37
11	Electrochemical Dicarboxylation of Styrene: Synthesis of 2â€Phenylsuccinic Acid. Chinese Journal of Chemistry, 2007, 25, 913-916.	4.9	29
12	One-Pot Synthesis of <scp>d</scp>-Phenylalanine-Functionalized Multiwalled Carbon Nanotubes: A Metal-Free Chiral Material for the Asymmetric Electroreduction of Aromatic Ketones. ACS Applied Materials & Interfaces, 2018, 10, 23055-23062.	8.0	26
13	A unique proton coupled electron transfer pathway for electrochemical reduction of acetophenone in the ionic liquid [BMIM][BF4] under a carbon dioxide atmosphere. Green Chemistry, 2011, 13, 3461.	9.0	25
14	Copper encapsulated alkaloids composite: An effective heterogeneous catalyst for electrocatalytic asymmetric hydrogenation. Electrochemistry Communications, 2016, 71, 38-42.	4.7	25
15	Electroreduction of CO2 into Ethanol over an Active Catalyst: Copper Supported on Titania. Catalysts, 2017, 7, 220.	3.5	23
16	Amino acid-functionalized multi-walled carbon nanotubes: A metal-free chiral catalyst for the asymmetric electroreduction of aromatic ketones. Electrochimica Acta, 2018, 260, 606-613.	5.2	21
17	Electrochemical Reduction and Carboxylation of Ethyl Cinnamate in MeCN. Chinese Journal of Chemistry, 2008, 26, 1745-1748.	4.9	20
18	Electrocatalytic Carboxylation of Arylic Bromides at Silver Cathode in the Presence of Carbon Dioxide. Synthetic Communications, 2011, 41, 3720-3727.	2.1	20

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19	Electrosynthesis of cyclic carbonates from CO2 and epoxides on a reusable copper nanoparticle cathode. RSC Advances, 2015, 5, 23189-23192.	3.6	18
20	Efficient Electrocarboxylation of pâ€Methylpropiophenone in the Presence of Carbon Dioxide. Chinese Journal of Chemistry, 2010, 28, 509-513.	4.9	17
21	Alkaloid-induced asymmetric hydrogenation on bimetallic Pt@Cu cathodes under electrochemical conditions. New Journal of Chemistry, 2017, 41, 7853-7856.	2.8	14
22	Nickel-catalyzed electrocarboxylation of allylic halides with CO₂. New Journal of Chemistry, 2021, 45, 13137-13141.	2.8	12
23	Atomically Dispersed Copper on Nâ€Doped Carbon Nanosheets for Electrocatalytic Synthesis of Carbamates from CO₂ as a C₁ Source. ChemSusChem, 2021, 14, 2050-2055.	6.8	11
24	Perovskite La0.7Sr0.3Fe0.8B0.2O3 (BÂ=ÂTi, Mn, Co, Ni, and Cu) as heterogeneous electrocatalysts for asymmetric electrocarboxylation of aromatic ketones. Journal of Catalysis, 2021, 401, 224-233.	6.2	11
25	Enantioselective hydrogenation of methyl benzoylformate on an Ag electrode electrosorbed with cinchonine. RSC Advances, 2014, 4, 30584-30586.	3.6	10
26	Electrocatalytic reduction of PhCH₂Cl on Ag-ZSM-5 zeolite modified electrode. RSC Advances, 2016, 6, 63493-63496.	3.6	9
27	Asymmetric electrocarboxylation of 4â€²-methylacetophenone over PrCoO₃perovskites. Catalysis Science and Technology, 2022, 12, 2887-2893.	4.1	9
28	Electrosynthesis of poly(o-phenylenediamine) in ionic liquid and its properties. Science Bulletin, 2007, 52, 2174-2178.	1.7	8
29	Electrocatalytic reduction of PhCH₂Br on a Agâ€“Y zeolite modified electrode. RSC Advances, 2015, 5, 42663-42665.	3.6	8
30	La1â^'xSrxFeO3 perovskite electrocatalysts for asymmetric electrocarboxylation of acetophenone with CO2. Electrochimica Acta, 2021, 398, 139308.	5.2	8
31	Electrocatalytic carboxylation of halogenated compounds with mesoporous silver electrode materials. RSC Advances, 2021, 11, 21986-21990.	3.6	8
32	Rapid separation of four probiotic bacteria in mixed samples using microchip electrophoresis with laser-induced fluorescence detection. Mikrochimica Acta, 2012, 176, 295-301.	5.0	7
33	Ordered Mesoporous Carbon Embedded with Cu Nanoparticle Materials for Electrocatalytic Synthesis of Benzyl Methyl Carbonate from Benzyl Alcohol and Carbon Dioxide. ACS Omega, 2020, 5, 3498-3503.	3.5	7
34	Highly Efficient Electrocatalytic Carboxylation of 1-Phenylethyl Chloride at Cu Foam Cathode. Catalysts, 2018, 8, 273.	3.5	6
35	L-cysteine-functionalized CuPt: A chiral electrode for the asymmetric electroreduction of aromatic ketones. Electrochimica Acta, 2021, 375, 137926.	5.2	6
36	Electrochemically Promoted Asymmetric Transfer Hydrogenation of 2,2,2-Trifluoroacetophenone. Journal of Organic Chemistry, 2021, 86, 16158-16161.	3.2	6

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37	Synthesis of Ag nanoparticles/ordered mesoporous carbon as a highly efficient catalyst for the electroreduction of benzyl bromide. RSC Advances, 2020, 10, 756-762.	3.6	5
38	Biomass-derived Cu/porous carbon for the electrocatalytic synthesis of cyclic carbonates from CO2 and diols under mild conditions. New Journal of Chemistry, 2020, 44, 11817-11823.	2.8	5
39	Highly efficient electrocatalysis for the fixation of CO2 into cyclic carbonates with carbon sphere-loaded copper nanoparticles cathode material. Journal of Electroanalytical Chemistry, 2021, 882, 114962.	3.8	5
40	Computational and Experimental Study on Electrocarboxylation of Benzalacetone. Asian Journal of Organic Chemistry, 2017, 6, 1380-1384.	2.7	4
41	Electrocatalytic asymmetric reduction of ethyl benzoylformate on bimetallic Agâ€“Cu cathodes. Journal of Applied Electrochemistry, 2020, 50, 973-978.	2.9	4
42	Simultaneous Determination of Neuroactive Amino Acids in Serum by CZE Coupled with Amperometric Detection. Chromatographia, 2013, 76, 149-155.	1.3	3
43	Electrochemical Asymmetric Reduction of Ketoesters Induced by Î²â€Cyclodextrin Modified by (1S,2S)â€(+)â€1,2â€Diaminocyclohexane. ChemistrySelect, 2021, 6, 876-879.	1.5	3
44	Nitrogen-doped mesoporous carbon supported CuSb for electroreduction of CO₂. RSC Advances, 2022, 12, 12997-13002.	3.6	3
45	Electrochemical Synthesis of Polypyrrole in a Room Temperature Ionic Liquid and Its Properties. Chinese Journal of Chemistry, 2009, 27, 248-252.	4.9	2
46	Underpotential and overpotential electrocrystallization of semiconducting silver-tetracyanoquinodimethane onto gold substrates from an ionic liquid. CrystEngComm, 2011, 13, 4762.	2.6	2