

Huan Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Asymmetric electrocarboxylation of 4-ethylacetophenone over PrCoO ₃ perovskites. <i>Catalysis Science and Technology</i> , 2022, 12, 2887-2893.	4.1	9
2	Nitrogen-doped mesoporous carbon supported CuSb for electroreduction of CO ₂ . <i>RSC Advances</i> , 2022, 12, 12997-13002.	3.6	3
3	Electrochemical Asymmetric Reduction of Ketoesters Induced by β -Cyclodextrin Modified by (1S,2S)-1,2-Diaminocyclohexane. <i>ChemistrySelect</i> , 2021, 6, 876-879.	1.5	3
4	Highly efficient electrocatalysis for the fixation of CO ₂ into cyclic carbonates with carbon sphere-loaded copper nanoparticles cathode material. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 114962.	3.8	5
5	Atomically Dispersed Copper on N-Doped Carbon Nanosheets for Electrocatalytic Synthesis of Carbamates from CO ₂ as a C ₁ Source. <i>ChemSusChem</i> , 2021, 14, 2050-2055.	6.8	11
6	L-cysteine-functionalized CuPt: A chiral electrode for the asymmetric electroreduction of aromatic ketones. <i>Electrochimica Acta</i> , 2021, 375, 137926.	5.2	6
7	Electrochemically Promoted Asymmetric Transfer Hydrogenation of 2,2,2-Trifluoroacetophenone. <i>Journal of Organic Chemistry</i> , 2021, 86, 16158-16161.	3.2	6
8	Perovskite La _{0.7} Sr _{0.3} Fe _{0.8} B _{0.2} O ₃ (B = Ti, Mn, Co, Ni, and Cu) as heterogeneous electrocatalysts for asymmetric electrocarboxylation of aromatic ketones. <i>Journal of Catalysis</i> , 2021, 401, 224-233.	6.2	11
9	La _{1-x} Sr _x FeO ₃ perovskite electrocatalysts for asymmetric electrocarboxylation of acetophenone with CO ₂ . <i>Electrochimica Acta</i> , 2021, 398, 139308.	5.2	8
10	Electrocatalytic carboxylation of halogenated compounds with mesoporous silver electrode materials. <i>RSC Advances</i> , 2021, 11, 21986-21990.	3.6	8
11	Nickel-catalyzed electrocarboxylation of allylic halides with CO ₂ . <i>New Journal of Chemistry</i> , 2021, 45, 13137-13141.	2.8	12
12	Synthesis of Ag nanoparticles/ordered mesoporous carbon as a highly efficient catalyst for the electroreduction of benzyl bromide. <i>RSC Advances</i> , 2020, 10, 756-762.	3.6	5
13	Electrocatalytic asymmetric reduction of ethyl benzoylformate on bimetallic Ag-Cu cathodes. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 973-978.	2.9	4
14	Biomass-derived Cu/porous carbon for the electrocatalytic synthesis of cyclic carbonates from CO ₂ and diols under mild conditions. <i>New Journal of Chemistry</i> , 2020, 44, 11817-11823.	2.8	5
15	Ordered Mesoporous Carbon Embedded with Cu Nanoparticle Materials for Electrocatalytic Synthesis of Benzyl Methyl Carbonate from Benzyl Alcohol and Carbon Dioxide. <i>ACS Omega</i> , 2020, 5, 3498-3503.	3.5	7
16	Efficient electrochemical reduction of CO ₂ to ethanol on Cu nanoparticles decorated on N-doped graphene oxide catalysts. <i>Journal of CO₂ Utilization</i> , 2019, 33, 452-460.	6.8	66
17	Amino acid-functionalized multi-walled carbon nanotubes: A metal-free chiral catalyst for the asymmetric electroreduction of aromatic ketones. <i>Electrochimica Acta</i> , 2018, 260, 606-613.	5.2	21
18	Highly Efficient Electrocatalytic Carboxylation of 1-Phenylethyl Chloride at Cu Foam Cathode. <i>Catalysts</i> , 2018, 8, 273.	3.5	6

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19	One-Pot Synthesis of α -Phenylalanine-Functionalized Multiwalled Carbon Nanotubes: A Metal-Free Chiral Material for the Asymmetric Electroreduction of Aromatic Ketones. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23055-23062.	8.0	26
20	Computational and Experimental Study on Electrocarboxylation of Benzalacetone. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1380-1384.	2.7	4
21	Alkaloid-induced asymmetric hydrogenation on bimetallic Pt@Cu cathodes under electrochemical conditions. <i>New Journal of Chemistry</i> , 2017, 41, 7853-7856.	2.8	14
22	Electroreduction of CO ₂ into Ethanol over an Active Catalyst: Copper Supported on Titania. <i>Catalysts</i> , 2017, 7, 220.	3.5	23
23	Entrapment of a pyridine derivative within a copper-palladium alloy: a bifunctional catalyst for electrochemical reduction of CO ₂ to alcohols with excellent selectivity and reusability. <i>Catalysis Science and Technology</i> , 2016, 6, 6490-6494.	4.1	51
24	Copper encapsulated alkaloids composite: An effective heterogeneous catalyst for electrocatalytic asymmetric hydrogenation. <i>Electrochemistry Communications</i> , 2016, 71, 38-42.	4.7	25
25	Electrocatalytic reduction of PhCH ₂ Cl on Ag-ZSM-5 zeolite modified electrode. <i>RSC Advances</i> , 2016, 6, 63493-63496.	3.6	9
26	Selective electrochemical reduction of CO ₂ to different alcohol products by an organically doped alloy catalyst. <i>Green Chemistry</i> , 2016, 18, 3216-3220.	9.0	63
27	Electrosynthesis of cyclic carbonates from CO ₂ and epoxides on a reusable copper nanoparticle cathode. <i>RSC Advances</i> , 2015, 5, 23189-23192.	3.6	18
28	Entrapment of a chiral cobalt complex within silver: a novel heterogeneous catalyst for asymmetric carboxylation of benzyl bromides with CO ₂ . <i>Chemical Communications</i> , 2015, 51, 12216-12219.	4.1	43
29	Organically doped palladium: a highly efficient catalyst for electroreduction of CO ₂ to methanol. <i>Green Chemistry</i> , 2015, 17, 5144-5148.	9.0	62
30	Electrocatalytic reduction of PhCH ₂ Br on a Ag-Y zeolite modified electrode. <i>RSC Advances</i> , 2015, 5, 42663-42665.	3.6	8
31	Asymmetric electrocarboxylation of 1-phenylethyl chloride catalyzed by electrogenerated chiral [Co(salen)] ⁺ complex. <i>Electrochemistry Communications</i> , 2014, 42, 55-59.	4.7	75
32	CO ₂ as a C1-organic building block: Enantioselective electrocarboxylation of aromatic ketones with CO ₂ catalyzed by cinchona alkaloids under mild conditions. <i>Electrochimica Acta</i> , 2014, 116, 475-483.	5.2	49
33	Enantioselective hydrogenation of methyl benzoylformate on an Ag electrode electrosorbed with cinchonine. <i>RSC Advances</i> , 2014, 4, 30584-30586.	3.6	10
34	Morphology-controlled CuO nanoparticles for electroreduction of CO ₂ to ethanol. <i>RSC Advances</i> , 2014, 4, 37329-37332.	3.6	71
35	Entrapment of alkaloids within silver: from enantioselective hydrogenation to chiral recognition. <i>Chemical Communications</i> , 2014, 50, 8868-8870.	4.1	37
36	Simultaneous Determination of Neuroactive Amino Acids in Serum by CZE Coupled with Amperometric Detection. <i>Chromatographia</i> , 2013, 76, 149-155.	1.3	3

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37	Rapid separation of four probiotic bacteria in mixed samples using microchip electrophoresis with laser-induced fluorescence detection. <i>Mikrochimica Acta</i> , 2012, 176, 295-301.	5.0	7
38	Underpotential and overpotential electrocrystallization of semiconducting silver-tetracyanoquinodimethane onto gold substrates from an ionic liquid. <i>CrystEngComm</i> , 2011, 13, 4762.	2.6	2
39	A unique proton coupled electron transfer pathway for electrochemical reduction of acetophenone in the ionic liquid [BMIM][BF ₄] under a carbon dioxide atmosphere. <i>Green Chemistry</i> , 2011, 13, 3461.	9.0	25
40	Electrocatalytic Carboxylation of Arylic Bromides at Silver Cathode in the Presence of Carbon Dioxide. <i>Synthetic Communications</i> , 2011, 41, 3720-3727.	2.1	20
41	Efficient Electrocarboxylation of <i>p</i> -Methylpropiophenone in the Presence of Carbon Dioxide. <i>Chinese Journal of Chemistry</i> , 2010, 28, 509-513.	4.9	17
42	Electrochemical Synthesis of Polypyrrole in a Room Temperature Ionic Liquid and Its Properties. <i>Chinese Journal of Chemistry</i> , 2009, 27, 248-252.	4.9	2
43	Asymmetric electrochemical carboxylation of prochiral acetophenone: An efficient route to optically active atrolactic acid via selective fixation of carbon dioxide. <i>Journal of Electroanalytical Chemistry</i> , 2009, 630, 35-41.	3.8	76
44	Electrochemical Reduction and Carboxylation of Ethyl Cinnamate in MeCN. <i>Chinese Journal of Chemistry</i> , 2008, 26, 1745-1748.	4.9	20
45	Electrochemical Dicarboxylation of Styrene: Synthesis of 2-Phenylsuccinic Acid. <i>Chinese Journal of Chemistry</i> , 2007, 25, 913-916.	4.9	29
46	Electrosynthesis of poly(o-phenylenediamine) in ionic liquid and its properties. <i>Science Bulletin</i> , 2007, 52, 2174-2178.	1.7	8