

Jia-Xing Lu

List of Publications by Year in descending order

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218677

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1879
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#	ARTICLE	IF	CITATIONS
1	CuO Nanoparticles Supported on TiO ₂ with High Efficiency for CO ₂ Electrochemical Reduction to Ethanol. <i>Catalysts</i> , 2018, 8, 171.	3.5	101
2	Electrochemical activation of CO ₂ in ionic liquid (BMIMBF ₄): synthesis of organic carbonates under mild conditions. <i>Green Chemistry</i> , 2008, 10, 202-206.	9.0	99
3	Electrocarboxylation of activated olefins in ionic liquid BMIMBF ₄ . <i>Electrochemistry Communications</i> , 2007, 9, 2235-2239.	4.7	81
4	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
5	Asymmetric electrocarboxylation of 1-phenylethyl chloride catalyzed by electrogenerated chiral [Co(salen)] ⁺ complex. <i>Electrochemistry Communications</i> , 2014, 42, 55-59.	4.7	75
6	Morphology-controlled CuO nanoparticles for electroreduction of CO ₂ to ethanol. <i>RSC Advances</i> , 2014, 4, 37329-37332.	3.6	71
7	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
8	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
9	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
10	Electrochemical reduction of CO ₂ at metal-free N-functionalized graphene oxide electrodes. <i>Electrochimica Acta</i> , 2018, 282, 694-701.	5.2	62
11	Electrocatalytic carboxylation of aliphatic halides at silver cathode in acetonitrile. <i>Tetrahedron</i> , 2008, 64, 10517-10520.	1.9	60
12	Cu/TiO ₂ nanoparticles modified nitrogen-doped graphene as a highly efficient catalyst for the selective electroreduction of CO ₂ to different alcohols. <i>Journal of CO₂ Utilization</i> , 2018, 24, 334-340.	6.8	53
13	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
14	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
15	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
16	Electrochemical carboxylation of cinnamate esters in MeCN. <i>Tetrahedron</i> , 2008, 64, 314-318.	1.9	39
17	Electrochemical Reduction of Carbon Dioxide on Cu/CuO Core/Shell Catalysts. <i>ChemElectroChem</i> , 2014, 1, 1577-1582.	3.4	39
18	Alkaloid induced asymmetric electrocarboxylation of 4-methylpropiophenone. <i>Tetrahedron Letters</i> , 2011, 52, 2702-2705.	1.4	38

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19	Entrapment of alkaloids within silver: from enantioselective hydrogenation to chiral recognition. <i>Chemical Communications</i> , 2014, 50, 8868-8870.	4.1	37
20	Synthesis of dialkyl carbonates from CO ₂ and alcohols via electrogenerated N-heterocyclic carbenes. <i>Electrochemistry Communications</i> , 2012, 25, 116-118.	4.7	35
21	Alkaloid induced enantioselective electroreduction of acetophenone. <i>Electrochimica Acta</i> , 2013, 107, 320-326.	5.2	33
22	Influences of the operative parameters and the nature of the substrate on the electrocarboxylation of benzophenones. <i>Journal of Electroanalytical Chemistry</i> , 2012, 664, 105-110.	3.8	32
23	Electrochemical reduction of aliphatic conjugated dienes in the presence of carbon dioxide. <i>Electrochemistry Communications</i> , 2010, 12, 1698-1702.	4.7	30
24	Electroreduction of dibromobenzenes on silver electrode in the presence of CO ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2012, 664, 33-38.	3.8	30
25	Nickel-catalyzed coupling of CO ₂ and amines: improved synthesis of carbamates. <i>Applied Organometallic Chemistry</i> , 2007, 21, 941-944.	3.5	29
26	Electrochemical Dicarboxylation of Styrene: Synthesis of 2-Phenylsuccinic Acid. <i>Chinese Journal of Chemistry</i> , 2007, 25, 913-916.	4.9	29
27	Electrocatalytic Carboxylation of Benzyl Chloride at Silver Cathode in Ionic Liquid BMIMBF ₄ . <i>Chinese Journal of Chemistry</i> , 2009, 27, 1041-1044.	4.9	29
28	Promoting Influence of Activated Carbon used in Carbon Paste Electrode on Platinum Nanoparticles Efficiency in Methanol Electrooxidation. <i>Electrochimica Acta</i> , 2017, 242, 165-172.	5.2	27
29	One-Pot Synthesis of D-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
30	Electrocarboxylation of Acetophenone to 2-Hydroxy-2-phenylpropionic Acid in the Presence of CO ₂ . <i>Chinese Journal of Chemistry</i> , 2008, 26, 35-38.	4.9	25
31	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
32	Copper encapsulated alkaloids composite: An effective heterogeneous catalyst for electrocatalytic asymmetric hydrogenation. <i>Electrochemistry Communications</i> , 2016, 71, 38-42.	4.7	25
33	Silver encapsulated copper salen complex: efficient catalyst for electrocarboxylation of cinnamyl chloride with CO ₂ . <i>RSC Advances</i> , 2019, 9, 32628-32633.	3.6	24
34	Electrosynthesis of enantiomerically pure cyclic carbonates from CO ₂ and chiral epoxides. <i>Electrochemistry Communications</i> , 2014, 43, 71-74.	4.7	23
35	Electroreduction of CO ₂ into Ethanol over an Active Catalyst: Copper Supported on Titania. <i>Catalysts</i> , 2017, 7, 220.	3.5	23
36	Electrochemical polymerization of pyrrole in BMIMPF ₆ ionic liquid and its electrochemical response to dopamine in the presence of ascorbic acid. <i>Synthetic Metals</i> , 2009, 159, 1542-1545.	3.9	22

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37	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
38	Electrochemical Reduction and Carboxylation of Ethyl Cinnamate in MeCN. <i>Chinese Journal of Chemistry</i> , 2008, 26, 1745-1748.	4.9	20
39	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
40	Efficient electroreduction of CO ₂ to C ₂ -C ₃ products on Cu/Cu ₂ O@N-doped graphene. <i>Journal of CO₂ Utilization</i> , 2021, 50, 101594.	6.8	20
41	Preparation of microporous aluminium anodic oxide film modified Pt nano array electrode and application in direct measurement of nitric oxide release from myocardial cells. <i>Analyst</i> , 2001, 126, 871-876.	3.5	19
42	Alkaloid-induced asymmetric hydrogenation on a Cu nanoparticle cathode by electrochemical conditions. <i>Electrochemistry Communications</i> , 2015, 55, 18-21.	4.7	19
43	Electrocatalytic dimerisation of benzyl bromides and phenyl bromide at silver cathode in ionic liquid BMIMBF ₄ . <i>Electrochemistry Communications</i> , 2008, 10, 1498-1501.	4.7	18
44	Electrochemical Study of Dialcarb “Distillable”-Room-Temperature Ionic Liquids. <i>ChemPhysChem</i> , 2009, 10, 455-461.	2.1	18
45	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
46	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
47	Investigation of the electropolymerization of <i>o</i> -toluidine and <i>p</i> -phenylenediamine and their electrocopolymerization by <i>in situ</i> ultraviolet-visible spectroelectrochemistry. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2635-2647.	2.6	17
48	Cathode made of compacted silver nanoparticles for electrocatalytic carboxylation of 1-phenethyl bromide with CO ₂ . <i>Chinese Journal of Catalysis</i> , 2016, 37, 994-998.	14.0	17
49	Electropolymerization of 3-Methylthiophene in [BMIM]PF ₆ Ionic Liquid, Characterization and Application. <i>Chinese Journal of Chemistry</i> , 2006, 24, 609-612.	4.9	16
50	Paper-like 3-dimensional carbon nanotubes (CNTs) “microfiber hybrid: A promising macroscopic structure of CNTs. <i>Journal of Materials Chemistry</i> , 2009, 19, 3632.	6.7	15
51	Remarkable Sensitivity of the Electrochemical Reduction of Benzophenone to Proton Availability in Ionic Liquids. <i>Chemistry - A European Journal</i> , 2012, 18, 5290-5301.	3.3	14
52	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
53	Electrocarboxylation of Dichlorobenzenes on a Silver Electrode in DMF. <i>Catalysts</i> , 2017, 7, 274.	3.5	14
54	Electrocarboxylation of haloacetophenones at silver electrode. <i>Tetrahedron</i> , 2014, 70, 1140-1143.	1.9	13

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55	Selective electrocarboxylation of bromostyrene at silver cathode in DMF. <i>Tetrahedron</i> , 2016, 72, 968-972.	1.9	13
56	Synthesis of cyclic carbonates from CO ₂ and diols via electrogenerated cyanomethyl anion. , 2012, 2, 59-65.		12
57	One-pot synthesis of Ni nanoparticle/ordered mesoporous carbon composite electrode materials for electrocatalytic reduction of aromatic ketones. <i>Nanoscale</i> , 2017, 9, 17807-17813.	5.6	12
58	Different interesting enhanced influence from polyaniline and poly(o-toluidine) on electrocatalytic activities of Pt on them toward electrooxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16049-16060.	7.1	12
59	Nickel-catalyzed electrocarboxylation of allylic halides with CO ₂ . <i>New Journal of Chemistry</i> , 2021, 45, 13137-13141.	2.8	12
60	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
61	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
62	Electrochemical Reduction of Cinnamionitrile in the Presence of Carbon Dioxide: Synthesis of Cyano- and Phenyl-Substituted Propionic Acids. <i>Australian Journal of Chemistry</i> , 2008, 61, 526.	0.9	10
63	Enantioselective hydrogenation of methyl benzoylformate on an Ag electrode electrosorbed with cinchonine. <i>RSC Advances</i> , 2014, 4, 30584-30586.	3.6	10
64	Fixation of CO ₂ along with bromopyridines on a silver electrode. <i>Royal Society Open Science</i> , 2018, 5, 180897.	2.4	10
65	Nickel-catalyzed Electrochemical Coupling of Phenyl Halide and Study of Mechanism. <i>Chinese Journal of Chemistry</i> , 2006, 24, 877-880.	4.9	9
66	Electrocatalytic reduction of PhCH ₂ Cl on Ag-ZSM-5 zeolite modified electrode. <i>RSC Advances</i> , 2016, 6, 63493-63496.	3.6	9
67	Asymmetric electrocarboxylation of 4-ethylacetophenone over PrCoO ₃ perovskites. <i>Catalysis Science and Technology</i> , 2022, 12, 2887-2893.	4.1	9
68	Electrosynthesis of poly(o-phenylenediamine) in ionic liquid and its properties. <i>Science Bulletin</i> , 2007, 52, 2174-2178.	1.7	8
69	Electrochemical Reduction of 2-Nitroanisole in Ionic Liquid BMImBF ₄ : Synthesis of 2-Anisidine. <i>Chinese Journal of Chemistry</i> , 2008, 26, 1168-1172.	4.9	8
70	Electrocatalytic reduction of PhCH ₂ Br on a Ag-Y zeolite modified electrode. <i>RSC Advances</i> , 2015, 5, 42663-42665.	3.6	8
71	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
72	Electrocatalytic carboxylation of halogenated compounds with mesoporous silver electrode materials. <i>RSC Advances</i> , 2021, 11, 21986-21990.	3.6	8

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73	Electrochemical reduction of benzoylformic acid in ionic liquid. Chinese Journal of Chemistry, 2003, 21, 1229-1230.	4.9	7
74	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
75	Highly Efficient Electrocatalytic Carboxylation of 1-Phenylethyl Chloride at Cu Foam Cathode. Catalysts, 2018, 8, 273.	3.5	6
76	L-cysteine-functionalized CuPt: A chiral electrode for the asymmetric electroreduction of aromatic ketones. Electrochimica Acta, 2021, 375, 137926.	5.2	6
77	Electrochemically Promoted Asymmetric Transfer Hydrogenation of 2,2,2-Trifluoroacetophenone. Journal of Organic Chemistry, 2021, 86, 16158-16161.	3.2	6
78	Ordered mesoporous carbon loaded with NiCo ₂ O ₄ as an electrocatalyst for electrocarboxylation of benzophenone. Microporous and Mesoporous Materials, 2021, 323, 111174.	4.4	6
79	Study on Electrochemical Copolymerization of Aniline and 3-Methylthiophene in HMIMBF ₄ Ionic Liquid and Its Properties. Chinese Journal of Chemistry, 2007, 25, 268-271.	4.9	5
80	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
81	Biomass-derived Cu/porous carbon for the electrocatalytic synthesis of cyclic carbonates from CO ₂ and diols under mild conditions. New Journal of Chemistry, 2020, 44, 11817-11823.	2.8	5
82	Highly efficient electrocatalysis for the fixation of CO ₂ into cyclic carbonates with carbon sphere-loaded copper nanoparticles cathode material. Journal of Electroanalytical Chemistry, 2021, 882, 114962.	3.8	5
83	Electrosynthesis of polyaniline in ionic liquid and its electrocatalytic properties. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2006, 1, 345-349.	0.4	4
84	Computational and Experimental Study on Electrocatalytic Oxidation of Benzalacetone. Asian Journal of Organic Chemistry, 2017, 6, 1380-1384.	2.7	4
85	Electrocatalytic asymmetric reduction of ethyl benzoylformate on bimetallic Ag@Cu cathodes. Journal of Applied Electrochemistry, 2020, 50, 973-978.	2.9	4
86	Excellent electrocatalysis of methanol oxidation on platinum nanoparticles supported on carbon-coated silicon. International Journal of Hydrogen Energy, 2021, 46, 9215-9221.	7.1	4
87	Electrochemical Asymmetric Reduction of Ketoesters Induced by β -Cyclodextrin Modified by (1S,2S)-1,2-Diaminocyclohexane. ChemistrySelect, 2021, 6, 876-879.	1.5	3
88	Activated carbon and poly-o-anisidine(POA) synergistic supported Pt nanoparticles as a highly efficient catalyst for electrocatalytic oxidation of formaldehyde. Electrochimica Acta, 2021, 388, 138617.	5.2	3
89	Nitrogen-doped mesoporous carbon supported CuSb for electroreduction of CO ₂ . RSC Advances, 2022, 12, 12997-13002.	3.6	3
90	Electrochemical Synthesis of Polypyrrole in a Room Temperature Ionic Liquid and Its Properties. Chinese Journal of Chemistry, 2009, 27, 248-252.	4.9	2

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91	Underpotential and overpotential electrocrystallization of semiconducting silver-tetracyanoquinodimethane onto gold substrates from an ionic liquid. <i>CrystEngComm</i> , 2011, 13, 4762.	2.6	2
92	Possible tuning fabrication of nanoplatinum particles with the conducting copolymer films and their behavior toward the electrooxidation of methanol. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1593-1606.	2.6	2
93	Electrochemical Activation of CO ₂ for the Synthesis of Ethyl Carbanilate under Mild Conditions. <i>Chemical Research in Chinese Universities</i> , 2007, 23, 708-711.	2.6	0