Xiaofu Sun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70 papers	2,946 citations	31 h-index	53 g-index
75 ext. papers	3,819 ext. citations	9.1 avg, IF	5.53 L-index

#	Paper	IF	Citations
70	Boosting nitrate electroreduction to ammonia on NbOxvia constructing oxygen vacancies. *Green Chemistry*, **2022**, 24, 1090-1095	10	3
69	Ionic liquid-based electrolytes for CO electroreduction and CO electroorganic transformation.. *National Science Review*, **2022**, 9, nwab022	10.8	7
68	In situ dual doping for constructing efficient CO-to-methanol electrocatalysts.. *Nature Communications*, **2022**, 13, 1965	17.4	4
67	Atomic Indium Catalysts for Switching CO Electroreduction Products from Formate to CO. *Journal of the American Chemical Society*, **2021**, 143, 6877-6885	16.4	42
66	Rational design of nanocatalysts for ambient ammonia electrosynthesis. *Pure and Applied Chemistry* , **2021**,	2.1	2
65	The study of surface species and structures of oxide-derived copper catalysts for electrochemical CO reduction.. *Chemical Science*, **2021**, 12, 5938-5943	9.4	7
64	Quasi-square-shaped cadmium hydroxide nanocatalysts for electrochemical CO reduction with high efficiency. *Chemical Science*, **2021**, 12, 11914-11920	9.4	0
63	Boosting CO2 Electroreduction over a Cadmium Single-Atom Catalyst by Tuning of the Axial Coordination Structure. *Angewandte Chemie*, **2021**, 133, 20971-20978	3.6	2
62	Highly Efficient CO2 Electroreduction to Methanol through Atomically Dispersed Sn Coupled with Defective CuO Catalysts. *Angewandte Chemie*, **2021**, 133, 22150-22158	3.6	0
61	Highly Efficient CO Electroreduction to Methanol through Atomically Dispersed Sn Coupled with Defective CuO Catalysts. *Angewandte Chemie - International Edition*, **2021**, 60, 21979-21987	16.4	16
60	Boosting CO Electroreduction over a Cadmium Single-Atom Catalyst by Tuning of the Axial Coordination Structure. *Angewandte Chemie - International Edition*, **2021**, 60, 20803-20810	16.4	14
59	Highly Efficient Electroreduction of CO2 to C2+ Alcohols on Heterogeneous Dual Active Sites. *Angewandte Chemie*, **2020**, 132, 16601	3.6	2
58	Highly Efficient Electroreduction of CO to C2+ Alcohols on Heterogeneous Dual Active Sites. *Angewandte Chemie - International Edition*, **2020**, 59, 16459-16464	16.4	61
57	Hollow Metal□Organic-Framework-Mediated In Situ Architecture of Copper Dendrites for Enhanced CO2 Electroreduction. *Angewandte Chemie*, **2020**, 132, 8981-8986	3.6	8
56	Boosting CO Electroreduction on N,P-Co-doped Carbon Aerogels. *Angewandte Chemie - International Edition*, **2020**, 59, 11123-11129	16.4	70
55	Hollow Metal-Organic-Framework-Mediated In Situ Architecture of Copper Dendrites for Enhanced CO Electroreduction. *Angewandte Chemie - International Edition*, **2020**, 59, 8896-8901	16.4	51
54	Boosting CO2 Electroreduction on N,P-Co-doped Carbon Aerogels. *Angewandte Chemie*, **2020**, 132, 11216-11222	3.6	29

53	A strategy to control the grain boundary density and Cu+/Cu0 ratio of Cu-based catalysts for efficient electroreduction of CO2 to C2 products. *Green Chemistry*, **2020**, 22, 1572-1576	10	27
52	Electrosynthesis of a Defective Indium Selenide with 3D Structure on a Substrate for Tunable CO2 Electroreduction to Syngas. *Angewandte Chemie*, **2020**, 132, 2374-2379	3.6	19
51	Electrosynthesis of a Defective Indium Selenide with 3D Structure on a Substrate for Tunable CO Electroreduction to Syngas. *Angewandte Chemie - International Edition*, **2020**, 59, 2354-2359	16.4	44
50	Highly Selective CO2 Electroreduction to CO on Cu□o Bimetallic Catalysts. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 12561-12567	8.3	10
49	Synthesis of Sn4P3/reduced graphene oxide nanocomposites as highly efficient electrocatalysts for CO2 reduction. *Green Chemistry*, **2020**, 22, 6804-6808	10	9
48	Carbon dioxide electroreduction to C products over copper-cuprous oxide derived from electrosynthesized copper complex. *Nature Communications*, **2019**, 10, 3851	17.4	159
47	Metal□rganic framework-derived indium□opper bimetallic oxide catalysts for selective aqueous electroreduction of CO2. *Green Chemistry*, **2019**, 21, 503-508	10	34
46	Enhanced CO electroreduction interaction of dangling S bonds and Co sites in cobalt phthalocyanine/ZnInS hybrids. *Chemical Science*, **2019**, 10, 1659-1663	9.4	31
45	Aqueous CO2 Reduction with High Efficiency Using □Co(OH)2-Supported Atomic Ir Electrocatalysts. *Angewandte Chemie*, **2019**, 131, 4717-4721	3.6	12
44	Aqueous CO Reduction with High Efficiency Using □Co(OH) -Supported Atomic Ir Electrocatalysts. *Angewandte Chemie - International Edition*, **2019**, 58, 4669-4673	16.4	65
43	MoP Nanoparticles Supported on Indium-Doped Porous Carbon: Outstanding Catalysts for Highly Efficient CO2 Electroreduction. *Angewandte Chemie*, **2018**, 130, 2451-2455	3.6	37
42	MoP Nanoparticles Supported on Indium-Doped Porous Carbon: Outstanding Catalysts for Highly Efficient CO Electroreduction. *Angewandte Chemie - International Edition*, **2018**, 57, 2427-2431	16.4	142
41	G-quadruplex Nanowires To Direct the Efficiency and Selectivity of Electrocatalytic CO2 Reduction. *Angewandte Chemie*, **2018**, 130, 12633-12637	3.6	1
40	Nanoporous Cu/Ni oxide composites: efficient catalysts for electrochemical reduction of CO2 in aqueous electrolytes. *Green Chemistry*, **2018**, 20, 3705-3710	10	22
39	G-quadruplex Nanowires To Direct the Efficiency and Selectivity of Electrocatalytic CO Reduction. *Angewandte Chemie - International Edition*, **2018**, 57, 12453-12457	16.4	19
38	Highly Efficient Electroreduction of CO to Methanol on Palladium-Copper Bimetallic Aerogels. *Angewandte Chemie - International Edition*, **2018**, 57, 14149-14153	16.4	151
37	Selective electroreduction of carbon dioxide to formic acid on electrodeposited SnO2@N-doped porous carbon catalysts. *Science China Chemistry*, **2018**, 61, 228-235	7.9	23
36	Doping palladium with tellurium for the highly selective electrocatalytic reduction of aqueous CO to CO. *Chemical Science*, **2018**, 9, 483-487	9.4	73

35	Ultrathin and Porous Carbon Nanosheets Supporting Bimetallic Nanoparticles for High-Performance Electrocatalysis. *ChemCatChem*, **2018**, 10, 1241-1247	5.2	3
34	Highly Efficient Electroreduction of CO2 to Methanol on Palladium□Copper Bimetallic Aerogels. *Angewandte Chemie*, **2018**, 130, 14345-14349	3.6	29
33	Efficient electroreduction of CO2 to C2 products over B-doped oxide-derived copper. *Green Chemistry*, **2018**, 20, 4579-4583	10	39
32	Design of a Cu(I)/C-doped boron nitride electrocatalyst for efficient conversion of CO2 into acetic acid. *Green Chemistry*, **2017**, 19, 2086-2091	10	60
31	,-Dimethylation of nitrobenzenes with CO and water by electrocatalysis. *Chemical Science*, **2017**, 8, 5669-5674	9.4	11
30	Synthesis of Hierarchical Porous Metals Using Ionic-Liquid-Based Media as Solvent and Template. *Angewandte Chemie*, **2017**, 129, 12857-12860	3.6	
29	Synthesis of Hierarchical Porous Metals Using Ionic-Liquid-Based Media as Solvent and Template. *Angewandte Chemie - International Edition*, **2017**, 56, 12683-12686	16.4	23
28	Metal-Organic Framework-Stabilized CO/Water Interfacial Route for Photocatalytic CO Conversion. *ACS Applied Materials & Interfaces*, **2017**, 9, 41594-41598	9.5	23
27	Very highly efficient reduction of CO to CH using metal-free N-doped carbon electrodes. *Chemical Science*, **2016**, 7, 2883-2887	9.4	152
26	Synthesis of hierarchical porous □FeOOH catalysts in ionic liquid/water/CH2Cl2 ionogels. *Chemical Communications*, **2016**, 52, 4687-90	5.8	6
25	Synthesis of hierarchical mesoporous Prussian blue analogues in ionic liquid/water/MgCl2 and application in electrochemical reduction of CO2. *Green Chemistry*, **2016**, 18, 1869-1873	10	19
24	Highly efficient electrochemical reduction of CO to CH in an ionic liquid using a metal-organic framework cathode. *Chemical Science*, **2016**, 7, 266-273	9.4	177
23	Efficient Reduction of CO2 into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. *Angewandte Chemie*, **2016**, 128, 9158-9162	3.6	49
22	Molybdenum-Bismuth Bimetallic Chalcogenide Nanosheets for Highly Efficient Electrocatalytic Reduction of Carbon Dioxide to Methanol. *Angewandte Chemie - International Edition*, **2016**, 55, 6771-5	16.4	176
21	Synthesis of Supported Ultrafine Non-noble Subnanometer-Scale Metal Particles Derived from Metal-Organic Frameworks as Highly Efficient Heterogeneous Catalysts. *Angewandte Chemie - International Edition*, **2016**, 55, 1080-4	16.4	54
20	Synthesis of Functional Nanomaterials in Ionic Liquids. *Advanced Materials*, **2016**, 28, 1011-30	24	102
19	Efficient Reduction of CO2 into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. *Angewandte Chemie - International Edition*, **2016**, 55, 9012-6	16.4	149
18	Synthesis of Supported Ultrafine Non-noble Subnanometer-Scale Metal Particles Derived from Metal□Organic Frameworks as Highly Efficient Heterogeneous Catalysts. *Angewandte Chemie*, **2016**, 128, 1092-1096	3.6	15

17	MolybdenumBismuth Bimetallic Chalcogenide Nanosheets for Highly Efficient Electrocatalytic Reduction of Carbon Dioxide to Methanol. *Angewandte Chemie*, **2016**, 128, 6883-6887	3.6	42
16	Electrochemical reduction of CO2 to CO using graphene oxide/carbon nanotube electrode in ionic liquid/acetonitrile system. *Science China Chemistry*, **2016**, 59, 551-556	7.9	39
15	Theoretical studies on the dissolution of chitosan in 1-butyl-3-methylimidazolium acetate ionic liquid. *Carbohydrate Research*, **2015**, 408, 107-13	2.9	21
14	CO2 as a regulator for the controllable preparation of highly dispersed chitosan-supported Pd catalysts in ionic liquids. *Chemical Communications*, **2015**, 51, 10811-4	5.8	17
13	Efficient and Sustainable Strategy for the Hierarchical Separation of Lignin-Based Compounds Using Ionic Liquid/Compressed CO2. *Energy & Fuels*, **2015**, 29, 2564-2570	4.1	10
12	Preparation and characterization of regenerated cellulose from ionic liquid using different methods. *Carbohydrate Polymers*, **2015**, 117, 99-105	10.3	79
11	Extraction of 5-HMF from the conversion of glucose in ionic liquid [Bmim]Cl by compressed carbon dioxide. *Green Chemistry*, **2015**, 17, 2719-2722	10	32
10	An Environmentally Benign Cycle To Regenerate Chitosan and Capture Carbon Dioxide by Ionic Liquids. *Energy & Fuels*, **2015**, 29, 1923-1930	4.1	16
9	Hydrogen bonding interaction between acetate-based ionic liquid 1-ethyl-3-methylimidazolium acetate and common solvents. *Journal of Molecular Liquids*, **2014**, 190, 151-158	6	49
8	Water Sorption in Amino Acid Ionic Liquids: Kinetic, Mechanism, and Correlations between Hygroscopicity and Solvatochromic Parameters. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 138-148	8.3	29
7	Precipitation of chitosan from ionic liquid solution by the compressed CO2 anti-solvent method. *Green Chemistry*, **2014**, 16, 2102-2106	10	37
6	Studies on staged precipitation of cellulose from an ionic liquid by compressed carbon dioxide. *Green Chemistry*, **2014**, 16, 2736-2744	10	66
5	The dissolution behaviour of chitosan in acetate-based ionic liquids and their interactions: from experimental evidence to density functional theory analysis. *RSC Advances*, **2014**, 4, 30282-30291	3.7	45
4	Ionicity of acetate-based protic ionic liquids: evidence for both liquid and gaseous phases. *New Journal of Chemistry*, **2014**, 38, 3449-3456	3.6	34
3	Quantification of Ionic Liquids Concentration in Water and Qualification of Conjugated and Inductive Effects of Ionic Liquids by UV Spectroscopy. *Clean - Soil, Air, Water*, **2014**, 42, 1162-1169	1.6	6
2	Water sorption in ionic liquids: kinetics, mechanisms and hydrophilicity. *Physical Chemistry Chemical Physics*, **2012**, 14, 12252-62	3.6	140
1	Boosting CO2 electroreduction over Co nanoparticles supported on N,B-co-doped graphitic carbon. *Green Chemistry*,	10	1