

Xiaofu Sun

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8638214/xiaofu-sun-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Highly efficient electrochemical reduction of CO to CH in an ionic liquid using a metal-organic framework cathode. <i>Chemical Science</i> , 2016 , 7, 266-273	9.4	177
69	Molybdenum-Bismuth Bimetallic Chalcogenide Nanosheets for Highly Efficient Electrocatalytic Reduction of Carbon Dioxide to Methanol. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6771-5	16.4	176
68	Carbon dioxide electroreduction to C products over copper-cuprous oxide derived from electrosynthesized copper complex. <i>Nature Communications</i> , 2019 , 10, 3851	17.4	159
67	Very highly efficient reduction of CO to CH using metal-free N-doped carbon electrodes. <i>Chemical Science</i> , 2016 , 7, 2883-2887	9.4	152
66	Highly Efficient Electroreduction of CO to Methanol on Palladium-Copper Bimetallic Aerogels. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14149-14153	16.4	151
65	Efficient Reduction of CO ₂ into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9012-6	16.4	149
64	MoP Nanoparticles Supported on Indium-Doped Porous Carbon: Outstanding Catalysts for Highly Efficient CO Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2427-2431	16.4	142
63	Water sorption in ionic liquids: kinetics, mechanisms and hydrophilicity. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 12252-62	3.6	140
62	Synthesis of Functional Nanomaterials in Ionic Liquids. <i>Advanced Materials</i> , 2016 , 28, 1011-30	24	102
61	Preparation and characterization of regenerated cellulose from ionic liquid using different methods. <i>Carbohydrate Polymers</i> , 2015 , 117, 99-105	10.3	79
60	Doping palladium with tellurium for the highly selective electrocatalytic reduction of aqueous CO to CO. <i>Chemical Science</i> , 2018 , 9, 483-487	9.4	73
59	Boosting CO Electroreduction on N,P-Co-doped Carbon Aerogels. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11123-11129	16.4	70
58	Studies on staged precipitation of cellulose from an ionic liquid by compressed carbon dioxide. <i>Green Chemistry</i> , 2014 , 16, 2736-2744	10	66
57	Aqueous CO Reduction with High Efficiency Using μ Co(OH)-Supported Atomic Ir Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4669-4673	16.4	65
56	Highly Efficient Electroreduction of CO to C ₂ + Alcohols on Heterogeneous Dual Active Sites. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16459-16464	16.4	61
55	Design of a Cu(I)/C-doped boron nitride electrocatalyst for efficient conversion of CO ₂ into acetic acid. <i>Green Chemistry</i> , 2017 , 19, 2086-2091	10	60
54	Synthesis of Supported Ultrafine Non-noble Subnanometer-Scale Metal Particles Derived from Metal-Organic Frameworks as Highly Efficient Heterogeneous Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1080-4	16.4	54

53	Hollow Metal-Organic-Framework-Mediated In Situ Architecture of Copper Dendrites for Enhanced CO Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8896-8901	16.4	51
52	Hydrogen bonding interaction between acetate-based ionic liquid 1-ethyl-3-methylimidazolium acetate and common solvents. <i>Journal of Molecular Liquids</i> , 2014 , 190, 151-158	6	49
51	Efficient Reduction of CO ₂ into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. <i>Angewandte Chemie</i> , 2016 , 128, 9158-9162	3.6	49
50	The dissolution behaviour of chitosan in acetate-based ionic liquids and their interactions: from experimental evidence to density functional theory analysis. <i>RSC Advances</i> , 2014 , 4, 30282-30291	3.7	45
49	Electrosynthesis of a Defective Indium Selenide with 3D Structure on a Substrate for Tunable CO Electroreduction to Syngas. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2354-2359	16.4	44
48	Atomic Indium Catalysts for Switching CO Electroreduction Products from Formate to CO. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6877-6885	16.4	42
47	Molybdenum-Bismuth Bimetallic Chalcogenide Nanosheets for Highly Efficient Electrocatalytic Reduction of Carbon Dioxide to Methanol. <i>Angewandte Chemie</i> , 2016 , 128, 6883-6887	3.6	42
46	Electrochemical reduction of CO ₂ to CO using graphene oxide/carbon nanotube electrode in ionic liquid/acetonitrile system. <i>Science China Chemistry</i> , 2016 , 59, 551-556	7.9	39
45	Efficient electroreduction of CO ₂ to C ₂ products over B-doped oxide-derived copper. <i>Green Chemistry</i> , 2018 , 20, 4579-4583	10	39
44	MoP Nanoparticles Supported on Indium-Doped Porous Carbon: Outstanding Catalysts for Highly Efficient CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2018 , 130, 2451-2455	3.6	37
43	Precipitation of chitosan from ionic liquid solution by the compressed CO ₂ anti-solvent method. <i>Green Chemistry</i> , 2014 , 16, 2102-2106	10	37
42	Metal-organic framework-derived indium-copper bimetallic oxide catalysts for selective aqueous electroreduction of CO ₂ . <i>Green Chemistry</i> , 2019 , 21, 503-508	10	34
41	Ionicity of acetate-based protic ionic liquids: evidence for both liquid and gaseous phases. <i>New Journal of Chemistry</i> , 2014 , 38, 3449-3456	3.6	34
40	Extraction of 5-HMF from the conversion of glucose in ionic liquid [Bmim]Cl by compressed carbon dioxide. <i>Green Chemistry</i> , 2015 , 17, 2719-2722	10	32
39	Enhanced CO electroreduction interaction of dangling S bonds and Co sites in cobalt phthalocyanine/ZnInS hybrids. <i>Chemical Science</i> , 2019 , 10, 1659-1663	9.4	31
38	Water Sorption in Amino Acid Ionic Liquids: Kinetic, Mechanism, and Correlations between Hygroscopicity and Solvatochromic Parameters. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 138-148	8.3	29
37	Highly Efficient Electroreduction of CO ₂ to Methanol on Palladium-Copper Bimetallic Aerogels. <i>Angewandte Chemie</i> , 2018 , 130, 14345-14349	3.6	29
36	A strategy to control the grain boundary density and Cu ⁺ /Cu ⁰ ratio of Cu-based catalysts for efficient electroreduction of CO ₂ to C ₂ products. <i>Green Chemistry</i> , 2020 , 22, 1572-1576	10	27

35	Synthesis of Hierarchical Porous Metals Using Ionic-Liquid-Based Media as Solvent and Template. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12683-12686	16.4	23
34	Metal-Organic Framework-Stabilized CO/Water Interfacial Route for Photocatalytic CO Conversion. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41594-41598	9.5	23
33	Selective electroreduction of carbon dioxide to formic acid on electrodeposited SnO ₂ @N-doped porous carbon catalysts. <i>Science China Chemistry</i> , 2018 , 61, 228-235	7.9	23
32	Nanoporous Cu/Ni oxide composites: efficient catalysts for electrochemical reduction of CO ₂ in aqueous electrolytes. <i>Green Chemistry</i> , 2018 , 20, 3705-3710	10	22
31	Theoretical studies on the dissolution of chitosan in 1-butyl-3-methylimidazolium acetate ionic liquid. <i>Carbohydrate Research</i> , 2015 , 408, 107-13	2.9	21
30	Boosting CO ₂ Electroreduction on N,P-Co-doped Carbon Aerogels. <i>Angewandte Chemie</i> , 2020 , 132, 11216-11222	16.4	20
29	Synthesis of hierarchical mesoporous Prussian blue analogues in ionic liquid/water/MgCl ₂ and application in electrochemical reduction of CO ₂ . <i>Green Chemistry</i> , 2016 , 18, 1869-1873	10	19
28	G-quadruplex Nanowires To Direct the Efficiency and Selectivity of Electrocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12453-12457	16.4	19
27	Electrosynthesis of a Defective Indium Selenide with 3D Structure on a Substrate for Tunable CO ₂ Electroreduction to Syngas. <i>Angewandte Chemie</i> , 2020 , 132, 2374-2379	3.6	19
26	CO ₂ as a regulator for the controllable preparation of highly dispersed chitosan-supported Pd catalysts in ionic liquids. <i>Chemical Communications</i> , 2015 , 51, 10811-4	5.8	17
25	An Environmentally Benign Cycle To Regenerate Chitosan and Capture Carbon Dioxide by Ionic Liquids. <i>Energy & Fuels</i> , 2015 , 29, 1923-1930	4.1	16
24	Highly Efficient CO Electroreduction to Methanol through Atomically Dispersed Sn Coupled with Defective CuO Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21979-21987	16.4	16
23	Synthesis of Supported Ultrafine Non-noble Subnanometer-Scale Metal Particles Derived from Metal-Organic Frameworks as Highly Efficient Heterogeneous Catalysts. <i>Angewandte Chemie</i> , 2016 , 128, 1092-1096	3.6	15
22	Boosting CO Electroreduction over a Cadmium Single-Atom Catalyst by Tuning of the Axial Coordination Structure. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20803-20810	16.4	14
21	Aqueous CO ₂ Reduction with High Efficiency Using FeCo(OH) ₂ -Supported Atomic Ir Electrocatalysts. <i>Angewandte Chemie</i> , 2019 , 131, 4717-4721	3.6	12
20	,-Dimethylation of nitrobenzenes with CO and water by electrocatalysis. <i>Chemical Science</i> , 2017 , 8, 5669-5674	9.1	11
19	Efficient and Sustainable Strategy for the Hierarchical Separation of Lignin-Based Compounds Using Ionic Liquid/Compressed CO ₂ . <i>Energy & Fuels</i> , 2015 , 29, 2564-2570	4.1	10
18	Highly Selective CO ₂ Electroreduction to CO on Cu ₂ O Bimetallic Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12561-12567	8.3	10

17	Synthesis of Sn4P3/reduced graphene oxide nanocomposites as highly efficient electrocatalysts for CO2 reduction. <i>Green Chemistry</i> , 2020 , 22, 6804-6808	10	9
16	Hollow Metal/Organic-Framework-Mediated In Situ Architecture of Copper Dendrites for Enhanced CO2 Electroreduction. <i>Angewandte Chemie</i> , 2020 , 132, 8981-8986	3.6	8
15	The study of surface species and structures of oxide-derived copper catalysts for electrochemical CO reduction.. <i>Chemical Science</i> , 2021 , 12, 5938-5943	9.4	7
14	Ionic liquid-based electrolytes for CO electroreduction and CO electroorganic transformation.. <i>National Science Review</i> , 2022 , 9, nwab022	10.8	7
13	Synthesis of hierarchical porous FeOOH catalysts in ionic liquid/water/CH2Cl2 ionogels. <i>Chemical Communications</i> , 2016 , 52, 4687-90	5.8	6
12	Quantification of Ionic Liquids Concentration in Water and Qualification of Conjugated and Inductive Effects of Ionic Liquids by UV Spectroscopy. <i>Clean - Soil, Air, Water</i> , 2014 , 42, 1162-1169	1.6	6
11	In situ dual doping for constructing efficient CO-to-methanol electrocatalysts.. <i>Nature Communications</i> , 2022 , 13, 1965	17.4	4
10	Boosting nitrate electroreduction to ammonia on NbOx via constructing oxygen vacancies. <i>Green Chemistry</i> , 2022 , 24, 1090-1095	10	3
9	Ultrathin and Porous Carbon Nanosheets Supporting Bimetallic Nanoparticles for High-Performance Electrocatalysis. <i>ChemCatChem</i> , 2018 , 10, 1241-1247	5.2	3
8	Highly Efficient Electroreduction of CO2 to C2+ Alcohols on Heterogeneous Dual Active Sites. <i>Angewandte Chemie</i> , 2020 , 132, 16601	3.6	2
7	Rational design of nanocatalysts for ambient ammonia electrosynthesis. <i>Pure and Applied Chemistry</i> , 2021 ,	2.1	2
6	Boosting CO2 Electroreduction over a Cadmium Single-Atom Catalyst by Tuning of the Axial Coordination Structure. <i>Angewandte Chemie</i> , 2021 , 133, 20971-20978	3.6	2
5	G-quadruplex Nanowires To Direct the Efficiency and Selectivity of Electrocatalytic CO2 Reduction. <i>Angewandte Chemie</i> , 2018 , 130, 12633-12637	3.6	1
4	Boosting CO2 electroreduction over Co nanoparticles supported on N,B-co-doped graphitic carbon. <i>Green Chemistry</i> ,	10	1
3	Quasi-square-shaped cadmium hydroxide nanocatalysts for electrochemical CO reduction with high efficiency. <i>Chemical Science</i> , 2021 , 12, 11914-11920	9.4	0
2	Highly Efficient CO2 Electroreduction to Methanol through Atomically Dispersed Sn Coupled with Defective CuO Catalysts. <i>Angewandte Chemie</i> , 2021 , 133, 22150-22158	3.6	0
1	Synthesis of Hierarchical Porous Metals Using Ionic-Liquid-Based Media as Solvent and Template. <i>Angewandte Chemie</i> , 2017 , 129, 12857-12860	3.6	