

# Xian-Long Du

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8857620/publications.pdf>

Version: 2024-02-01

20  
papers

1,587  
citations

687220

13  
h-index

677027

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Subnanometric Gold-Catalyzed Hydrogen Generation via Formic Acid Decomposition under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 8926-8933.	6.6	394
2	Hydrogen-Independent Reductive Transformation of Carbohydrate Biomass into $\gamma$ -Valerolactone and Pyrrolidone Derivatives with Supported Gold Catalysts. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7815-7819.	7.2	316
3	Tunable copper-catalyzed chemoselective hydrogenolysis of biomass-derived $\gamma$ -valerolactone into 1,4-pentanediol or 2-methyltetrahydrofuran. <i>Green Chemistry</i> , 2012, 14, 935.	4.6	199
4	Conversion of Biomass-Derived Levulinate and Formate Esters into $\gamma$ -Valerolactone over Supported Gold Catalysts. <i>ChemSusChem</i> , 2011, 4, 1838-1843.	3.6	96
5	Research Progress on the Indirect Hydrogenation of Carbon Dioxide to Methanol. <i>ChemSusChem</i> , 2016, 9, 322-332.	3.6	90
6	Direct Methylation of Amines with Carbon Dioxide and Molecular Hydrogen using Supported Gold Catalysts. <i>ChemSusChem</i> , 2015, 8, 3489-3496.	3.6	80
7	Ring-Opening Transformation of 5-Hydroxymethylfurfural Using a Golden Single-Atomic-Site Palladium Catalyst. <i>ACS Catalysis</i> , 2019, 9, 6212-6222.	5.5	60
8	Defect Engineering in Polymeric Cobalt Phthalocyanine Networks for Enhanced Electrochemical $\text{CO}_2$ Reduction. <i>ChemElectroChem</i> , 2018, 5, 2717-2721.	1.7	52
9	Achieving an exceptionally high loading of isolated cobalt single atoms on a porous carbon matrix for efficient visible-light-driven photocatalytic hydrogen production. <i>Chemical Science</i> , 2019, 10, 2585-2591.	3.7	50
10	Direct methylation of N-methylaniline with $\text{CO}_2/\text{H}_2$ catalyzed by gold nanoparticles supported on alumina. <i>RSC Advances</i> , 2015, 5, 99678-99687.	1.7	31
11	A Versatile Aqueous Reduction of Bio-Based Carboxylic Acids using Syngas as a Hydrogen Source. <i>ChemSusChem</i> , 2013, 6, 42-46.	3.6	25
12	Total hydrogenation of bio-derived furans over supported Ru subnanoclusters prepared via amino acid-assisted deposition. <i>Green Chemistry</i> , 2020, 22, 850-859.	4.6	15
13	Efficient Hydrogenation of Alkyl Formate to Methanol over Nanocomposite Copper/Alumina Catalysts. <i>ChemCatChem</i> , 2014, 6, 3075-3079.	1.8	13
14	Unveiling the Unique Roles of Metal Coordination and Modulator in the Polymorphism Control of Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2021, 27, 17586-17594.	1.7	13
15	Local structural evolutions of CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> catalyst for methanol synthesis under operando conditions studied by in situ quick X-ray absorption spectroscopy. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	1.3	11
16	Direct and Efficient Synthesis of Clean $\text{H}_2\text{O}_2$ from $\text{CO}_2$ -Assisted Aqueous $\text{O}_2$ Reduction. <i>ACS Catalysis</i> , 2020, 10, 13993-14005.	5.5	9
17	Molten Salt Treated Cu Foam Catalyst for Selective Electrochemical $\text{CO}_2$ Reduction Reaction. <i>ChemistrySelect</i> , 2020, 5, 11927-11933.	0.7	6
18	Growth of $\text{LaCoO}_3$ crystals in molten salt: effects of synthesis conditions. <i>CrystEngComm</i> , 2021, 23, 671-677.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Size-dependent selectivity of iron-based electrocatalysts for electrochemical CO <sub>2</sub> reduction. Sustainable Energy and Fuels, 2022, 6, 736-743.	2.5	5
20	Research Progress on the Indirect Hydrogenation of Carbon Dioxide to Methanol. ChemSusChem, 2016, 9, 315-315.	3.6	3