

# Ying Chuan Tan

## List of Publications by Year in descending order

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16  
papers

870  
citations

567281

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940533

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times ranked

1197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating Local CO <sub>2</sub> Concentration as a General Strategy for Enhancing C~C Coupling in CO <sub>2</sub> Electroreduction. <i>Joule</i> , 2020, 4, 1104-1120.	24.0	237
2	Over a 15.9% Solar-to-CO Conversion from Dilute CO <sub>2</sub> Streams Catalyzed by Gold Nanoclusters Exhibiting a High CO <sub>2</sub> Binding Affinity. <i>ACS Energy Letters</i> , 2020, 5, 749-757.	17.4	103
3	Self-templating synthesis of hollow spheres of MOFs and their derived nanostructures. <i>Chemical Communications</i> , 2016, 52, 11591-11594.	4.1	89
4	A General Synthetic Approach for Integrated Nanocatalysts of Metal-Silica@ZIFs. <i>Chemistry of Materials</i> , 2016, 28, 326-336.	6.7	67
5	Defect Creation in HKUST-1 via Molecular Imprinting: Attaining Anionic Framework Property and Mesoporosity for Cation Exchange Applications. <i>Advanced Functional Materials</i> , 2017, 27, 1703765.	14.9	57
6	Activation of C <sub>2</sub> H <sub>4</sub> reaction pathways in electrochemical CO <sub>2</sub> reduction under low CO <sub>2</sub> partial pressure. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119049.	20.2	50
7	Lewis basicity generated by localised charge imbalance in noble metal nanoparticle-embedded defective metal-organic frameworks. <i>Nature Communications</i> , 2018, 9, 4326.	12.8	46
8	Synthetic multiscale design of nanostructured Ni single atom catalyst for superior CO <sub>2</sub> electroreduction. <i>Chemical Engineering Journal</i> , 2021, 426, 131063.	12.7	43
9	Synthesis of a Nickel Single-Atom Catalyst Based on Ni <sub>4</sub> C Active Sites for Highly Efficient CO <sub>2</sub> Reduction Utilizing a Gas Diffusion Electrode. <i>ACS Applied Energy Materials</i> , 2020, 3, 8739-8745.	5.1	34
10	System Design Considerations for Enhancing Electroproduction of Formate from Simulated Flue Gas. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2348-2357.	6.7	26
11	Tunable Product Selectivity in Electrochemical CO <sub>2</sub> Reduction on Well-Mixed Ni-Cu Alloys. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 55272-55280.	8.0	24
12	Enhancing Glycerol Conversion and Selectivity toward Glycolic Acid via Precise Nanostructuring of Electrocatalysts. <i>ACS Catalysis</i> , 2021, 11, 14926-14931.	11.2	24
13	Pitfalls and Protocols: Evaluating Catalysts for CO <sub>2</sub> Reduction in Electrolyzers Based on Gas Diffusion Electrodes. <i>ACS Energy Letters</i> , 2022, 7, 2012-2023.	17.4	24
14	Low-Dimensional Metal-Organic Frameworks and their Diverse Functional Roles in Catalysis. <i>ChemCatChem</i> , 2019, 11, 3138-3165.	3.7	22
15	Diametrically opposite effect of Cu <sup>2+</sup> on sulfamerazine and ciprofloxacin adsorption-photodegradation in g-C <sub>3</sub> N <sub>4</sub> /visible light system: behavior and mechanism study. <i>Chemical Engineering Journal</i> , 2022, 428, 131065.	12.7	20
16	Antioxidative and Anti-UV Lignin Carrier for Peptide Delivery. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, 2100364.	2.2	4