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Mechanistic understanding of the electrocatalytic CO₂ reduction reaction New developments based on advanced instrumental techniques

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#	Paper	IF	Citations
64	Electrocatalytic carbon dioxide reduction: from fundamental principles to catalyst design. <i>Materials Today Advances</i> , 2020 , 7, 100074	7.4	38
63	A perceived paucity of quantitative studies in the modern era of voltammetry: prospects for parameterisation of complex reactions in Bayesian and machine learning frameworks. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2041-2050	2.6	12
62	Speciation of Cu Surfaces During the Electrochemical CO Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9735-9743	16.4	70
61	Recent Progress in Electrocatalytic Glycerol Oxidation. <i>Energy Technology</i> , 2021 , 9, 2000804	3.5	29
60	The lab-to-fab journey of copper-based electrocatalysts for multi-carbon production: Advances, challenges, and opportunities. <i>Nano Today</i> , 2021 , 36, 101028	17.9	11
59	Designing electrode materials for the electrochemical reduction of carbon dioxide. <i>Materials Horizons</i> , 2021 , 8, 2420-2443	14.4	3
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48	Architectural Design for Enhanced C Product Selectivity in Electrochemical CO Reduction Using Cu-Based Catalysts: A Review. <i>ACS Nano</i> , 2021 , 15, 7975-8000	16.7	41

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46	Sub-Second Time-Resolved Surface-Enhanced Raman Spectroscopy Reveals Dynamic CO Intermediates during Electrochemical CO Reduction on Copper. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16576-16584	16.4	37
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- 3 Stabilizing Oxidation State of SnO₂ for Highly Selective CO₂ Electroreduction to Formate at Large Current Densities. **2023**, 13, 3101-3108 ○
- 2 F and N Codoped Bimetallic Oxide-Reduced Graphene Oxide Composite Electrode FN-NA-CLDH@RGO for Electrocatalytic Reduction of CO₂ to CO. ○
- 1 CO₂ Conversion Toward Real-World Applications: Electrocatalysis versus CO₂ Batteries. ○