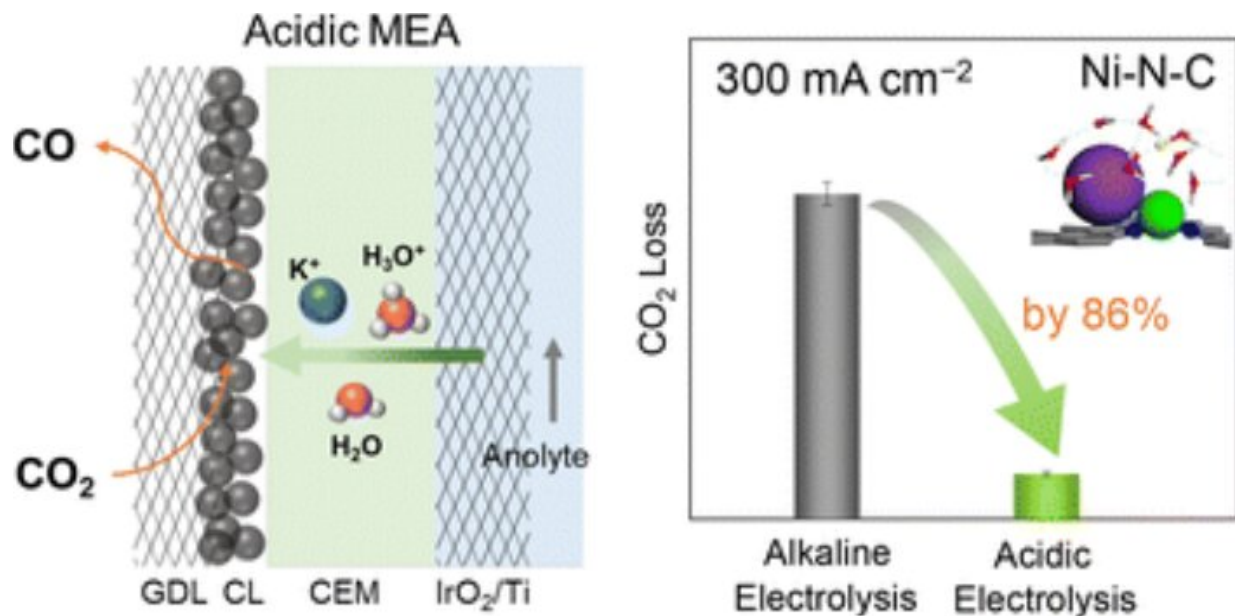


# New strategy boosts acidic carbon dioxide electrolysis performance

March 24 2023, by Li Yuan



Graphical abstract. Credit: Energy & Environmental Science (2023). DOI: 10.1039/D2EE03482D

Renewable electricity-driven carbon dioxide (CO<sub>2</sub>) electrolysis can convert CO<sub>2</sub> into valuable fuel and chemicals. However, one of the key challenges hindering CO<sub>2</sub> electrolysis toward practical application is the severe carbon loss under alkaline and neutral conditions, resulting in low CO<sub>2</sub> utilization efficiency (

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