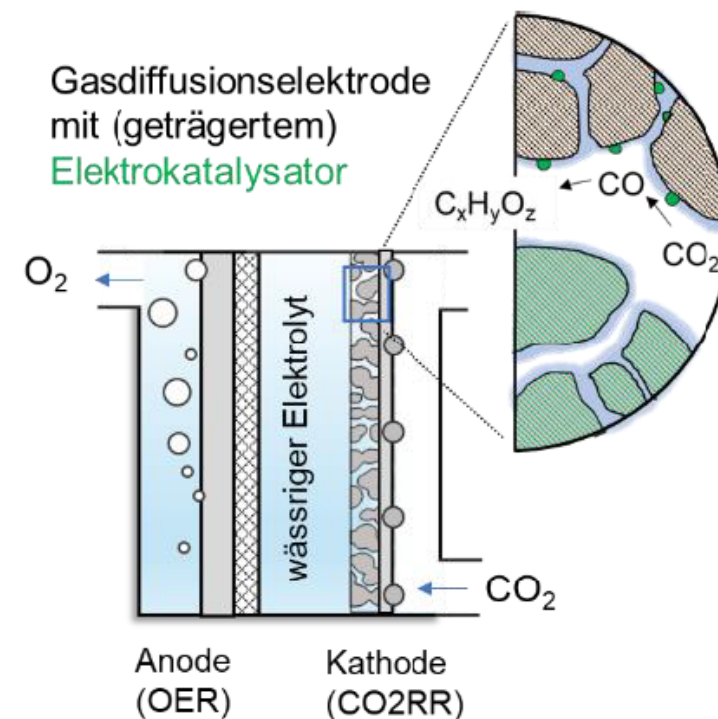


## Development of a process for the production of gas diffusion electrodes for electrochemical CO<sub>2</sub> reduction.

Electrochemical CO<sub>2</sub> reduction is a technology under development for ensuring the production of carbon-containing products without the use of fossil raw materials. In this process, CO<sub>2</sub> is converted into different products depending on the selected catalyst.

The gas diffusion electrode is of crucial importance for profitable industrial operation. This circumvents the problem of otherwise impeded CO<sub>2</sub> solubility in aqueous electrolytes and enables direct diffusion of CO<sub>2</sub> to the active centers through the porous gas diffusion electrode. For the further development of the electrodes, a process for producing these gas diffusion electrodes is to be improved and the effect of various parameters on the electrodes is to be investigated.



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