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Key components and design strategy of the membrane electrode assembly for alkaline water electrolysis

For the development of advanced alkaline water electrolysis to produce hydrogen, we review the state-of-art MEAs, including electrocatalysts, ion conductive membranes, and gas/liquid diffusion layers, as well as the preparation technologies progress. Especially, the overall design strategies of MEAs are discussed, thus highlighting the complex relationship between the electrocatalyst and main components upon the performance of alkaline water electrolysis. This review can provide a timely reference for future directions in MEAs challenges and perspectives for hydrogen production.

As featured in:



See Baoguo Wang *et al.*,
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