

Oxide -electrocatalysts

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Oxide materials are the catalysts of choice for electrochemical Chlorine and Oxygen evolution reactions, and some oxides are promising for oxygen reduction reaction catalysis at alkaline conditions. The fundamental atomic and electronic scale understanding of oxide electrocatalysis is much less mature than the understanding of metal electrocatalysis. In the talk elements from metal catalysis will be linked and reused for oxides catalysis and atomic scale descriptors for electrocatalytic activities will be identified.