Mini Review

Removal of Chromium Using Electrochemical Approaches: A Review

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In the manufacturing industry, chromium is often discharged with the effluent, which releases significant contamination to the environment. To remove chromium from wastewater, many different treatment techniques have been developed. The present work reports the treatment of chromium pollution using electrochemical-based remediation strategies, including electrodeionization, electrodialysis, electrochemical reduction, and electrocoagulation. This work also presents the principles and mechanisms of these strategies, along with research trends into the electrochemical removal of chromium.

Keywords: Chromium removal; Electrochemical; Electrodeionization; Electrocoagulation; Electrochemical reduction; Electrodialysis

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