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Reduction Mechanisms""; ""6. Stabilisation/Solidification""; ""Conclusion""; ""References""; ""An Overview of Chromium (VI) Free Conversion Coatings in Current Use""; ""Abstract""; ""1. Introduction"" ""2. Cleaning and Deoxidization""""3. Alternatives to Chromium (VI) based Conversion Coatings in Current Use""; ""3.1. Chromium (III) based Conversion Coatings""; ""3.2. Permanganate Based Conversion Coatings""; ""3.3. Phosphate Based Conversion Coatings""; ""3.4. Synthetic Polymer Based Conversion Coatings""; ""Conclusion""; ""References""; ""Volume Reduction of Cr(VI)-Bearing Sorbent Materials""; ""Abstract""; ""1. Removal of Cr(VI) From Wastewater Using Biosorbent""; ""2. Biosorbent Preparation""; ""2.1. Formaldehyde Treatment""; ""2.2. Drying Procedure""; ""3. Characterization Methods"" ""3.1. Scanning Electron Microscopy (SEM)""""3.2. Metal Detection in Aqueous Solution""; ""3.3. Thermogravimetric Analysis (TGA)""; ""4. Application of Kinetic and Isotherm Models to the Removal of Cr (VI)""; ""4. Adsorption Kinetics""; ""4.1. Adsorption Isotherms""; ""5. Optimization on a Laboratory Scale of the Removal Process of Cr (VI) From Wastewater""; ""6. Physical-Chemical Characterization Of Biosorbent""; ""6.1. Scanning Electron Microscopy (SEM)""; ""6.2. Thermogravimetric Analysis (TGA)""; ""7. Drying Results of Biosorbent (Sludge)""; ""Conclusion""; ""References""
""Advances in Chromium (Vi) Separations Technology From Wastewaters""