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Advanced Functional Materials for Hydrometallurgical and Environmental Applications

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Message from the Guest Editors

Advanced functional materials have been broadly appiled in hydrometallurgy and environment-related fields. On the one hand, functional materials have been exploited by researchers to separate and enrich valuable metals from the complex leaching solutions of low-grade metal ores and secondary resources. On the other hand, these materials have also been adopted for the sepration and removal of heavey metals, harmful gases, or organic pollutants exposed in the environment.

This Special Issue on 'Advanced Functional Materials Used for Hydrometallurgical and Environmental Applications' aims to explore the preparation, characterization, and application of advanced functional materials in hydrometallurgical and environmental protection processes. This Special Issue is mainly focused on solvent-impregnated resins, supported ionic liquids, composite electrode materials, ion-imprinted polymers, solid wastes based on adsorption materials, etc. It encourages thorough research on the reveal of adsorption mechanisms based on quantum chemistry simulation and other multidisciplinary approaches.

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Message from the Editor-in-Chief

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