

Special Issue

Recent Advances in Lithium Extraction

Message from the Guest Editors

Li and its compounds have been widely used in the battery, aerospace, alloy, and nuclear power fields. Many studies have been carried out on the extraction of Li⁺ from seawater or salt-lake brine by precipitation, solution extraction, ion exchange and sorption, and membrane separation. Key scientific and technological challenges in efficient separation and extraction techniques have become pivotal for extracting lithium. This Special Issue aims to highlight breakthroughs and innovations in the recent advances in lithium extraction and separation from salt-lake brine and seawater resources. We seek contributions that report the latest advancements in materials, mechanisms, and processes in adsorption, extraction, membrane technologies, electrochemistry, and other relevant techniques for lithium utilization.

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