JOM Call for papers

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Advances in Lithium Recovery from Primary and Secondary Sources

The demand for lithium for the battery market has been increasing and will surpass global production in the medium term. For this reason, lithium is considered a critical raw material and several developments have focused on new sources, including mining and recycling. These technologies include the use of organic acids and ionic liquids for the leaching of lithium sources. However, selective separation is a challenge due to the presence of transition metals and other contaminants in high concentration, which result in the development of separation/purification techniques. This special topic seeks high-quality submissions focusing on the latest novel advances. Suggested topics include, but are not limited to lithium extraction from unusual sources; thermal treatment in lithium processing from primary and secondary sources; evaluation of leaching agents – as organic acids, ionic liquids, and deep eutectic solvents; and challenges in lithium separation – solvent extraction, ion exchange resins, precipitation, and membranes.

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:
http://www.tms.org/AuthorTools/

Keywords for this topic: Extraction and Processing; Hydrometallurgy; Minerals; Recycling and Secondary Recovery

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Committee Sponsor(s): Recycling and Environmental Technologies; Hydrometallurgy and Electrometallurgy

If you are interested in submitting a paper, upload your manuscript at
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Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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