Special Issue

Recent Advances in Rare Earth Separation and Extraction

Message from the Guest Editors

Rare earth is globally recognized as a key strategic metal, known as the "modern industrial vitamin." The green and efficient separation and purification of rare earths is an important material support for the development of new materials. Due to the polymetallic symbiosis of rare earth minerals, complex composition, similar physical and chemical properties of elements, and the small separation coefficient, the separation and purification of rare earths is a difficult and long process, which is recognized as one of the major problems in the world's non-ferrous metal industry. This Special Issue aims to collect recent advances in rare earth extraction and separation, with a particular reference to new system and equipment developments. The expected contributions (original research papers and review articles) can include rare earth extraction and separation technologies, new extractant syntheses, novel adsorbents and extractive resins, new extraction equipment developments, new processes, the recovery and separation of rare earth secondary resources, extraction interfacial chemistry studies, calculations, etc.

Guest Editors

Dr. Junlian Wang

School of Civil and Resource Engineering, University of Science and Technology Beijing, Beijing 100083, China

Dr. Na Sui

School of Metallurgical and Ecological Engineering, University of Science and Technology Beijing, Beijing 100083, China

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Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

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