Special Issue

Green Recovery of Rare Earth Elements from Secondary Resources

Message from the Guest Editor

Rare earth elements are an important part of modern high-tech new materials such as permanent magnet materials, polishing materials, catalytic materials, etc., and have become an important strategic resource in the world. With the large-scale use of rare earth elements, the discharge of secondary resources such as residuals and scrapped products will not only endanger the environment and human health, but also be a waste of resources. At present, the recovery of rare earth elements from secondary resources is in the primary stage of research, and it is of great scientific significance to develop a green process for the recovery of rare earth elements. This special issue will be devoted to collecting papers on the recent green processes and methods for recovering rare earth elements from different secondary resources.

Guest Editor

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Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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