



metals



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Advances in Understanding Metal Electrolysis Processes

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closed (30 June 2022)

Message from the Guest Editors

Dear Colleagues,

The field of metal electrolysis is wide-ranging, from metals production and refinement to galvanic coatings. Even for commodity metals like Cu, Ni, Zn, Pb, Al, Mg many open questions and unresolved issues remain connected to the process, the electrochemical mechanisms and their impact on the efficiency and quality. More and more complex recycling alloys needed to be handled and are subjects of widespread research. Emphases on improvements in energy yields, environmental compatibility and technical feasibility will certainly result in interesting publications.

In this special issue, a further focus is placed on rare metals which as well as their alloys continue to be in high demand due to their ongoing and potential applications in advanced technologies like medical, electronics, and aerospace industries.



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Special issue



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Message from the Editor-in-Chief

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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