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Microstructure and Corrosion Behavior of Advanced Alloys

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Message from the Collection Editor

In this Special Issue, original research papers and reviews focused on the complex relationships between the microstructure, phase constitution, and corrosion behavior of metallic materials will be presented. Furthermore, possibilities for increasing the corrosion resistance of metallic materials by means of surface modification and application of protective layers will be explored. Both high temperature and low temperature corrosion studies in aqueous and non-aqueous electrolytes are welcome as long as they investigate the electrochemical processes taking place at the material's interfaces.

Keywords

- light metals and alloys
- ferrous and non-ferrous alloys
- complex alloys
- electrochemistry of corroding interfaces
- local corrosion
- corrosion-resistant coatings and their characterization
- surface modification of advanced alloys









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Message from the Editor-in-Chief

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