Special Issue

Research on Corrosion and Protection Technology of Metal Matrix Composite

Message from the Guest Editor

The corrosion of metal matrix composites is one of the most important failure modes. Thus, it has been paid much attention, including pitting corrosion, galvanic corrosion, stress corrosion, etc. The corrosion environments include acid gas (like H2S and CO2), anion (like Cl- and SO42-), organic (like plastic and rubber) and microorganisms. The corrosion mechanisms of metal matrix composite, including the corrosion style and corrosion process, should be studied deeply. In addition, some protection technologies have been come up, such as cathodic protection, coating films, cladding, passive films, and corrosion inhibitors. The protection effect should be studied deeply. In this Special Issue, we welcome articles that focus on any corrosion and protection technology of metal matrix composite.

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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