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Stress Corrosion Cracking in Materials

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Message from the Guest Editors

Dear Colleagues,

Stress corrosion cracking (SCC) can cause premature failure of materials in a corrosive environment at low stress levels. In many cases, SCC can cause catastrophic and unexpected failure. Full understanding of the exact mechanisms is lacking, as they can be material-specific. For example, alloying elements strongly affect SCC of stainless steel. However, all three classes of materials, metals, ceramics and polymers, can be affected by SCC. This Special Issue on “Stress Corrosion Cracking in Materials” will focus on fundamental aspects of SCC. Individual research articles or comprehensive reviews on SCC are welcome. This Special Issue will cover the latest research on this important topic.

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Prof. Dr. Lijie Qiao
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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