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Production and investigation of properties of sulfide composite materials based on technogenic sulfur waste with titanium chloride as an activator

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Abstract

The modification with titanium chloride contributes to the increase in active sites of silica-containing compounds and opening of sulfur rings. As an activator, titanium chloride helps to make resistant and durable high-performance sulfur composite materials.

Keywords

Opal-crystobalite rock, Quantum chemical calculations, Sulfides, Sulfur composite materials, Titanium chloride