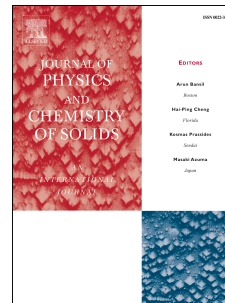


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Morphology control of calcium sulfate hemihydrates and application in size screening iron/sulfur of jarosite sediment

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ABSTRACT

To separate iron and sulfur in jarosite sediment by using the sieving method, firstly, the jarosite sediment is decomposed by adding calcium oxide to obtain iron hydroxide and calcium sulfate dihydrate mixed precipitation. Secondly, the calcium sulfate hemihydrate (HH) whiskers with a large diameter and iron (hydr)oxides with a small diameter are obtained by treating the mixed precipitation at 140°C in a hydrothermal

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