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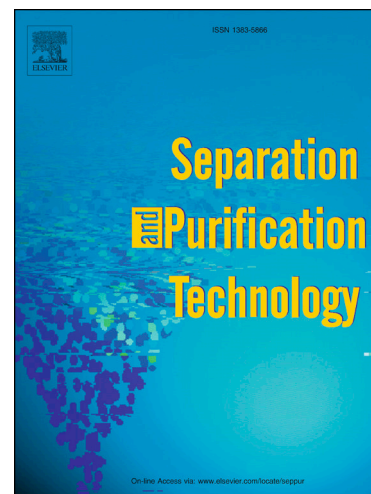
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Recovery of indium based on the combined methods of ionic liquid extraction and electrodeposition

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## ABSTRACT

The diluent characteristics and the wide electrochemical window of the ionic liquid (IL), *n*-hexyl-trimethyl ammonium bis(trifluoromethyl-sulfonyl)amide ; [N<sub>1116</sub>][TFSA], has been exploited for the extraction of In(III) from 1,1,1-trifluoro-*N*-[(trifluoromethyl)sulfonyl]methane sulfonamide (H[TFSA]) aqueous solution using 1.0 M tri-*n*-butylphosphate (TBP) in [N<sub>1116</sub>][TFSA], followed by direct electrodeposition as In metal from organic

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