

The extraction of Pd ions from PdSn solution using CLA

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Nobel metal like a Pd should be reused because of their rarity on earth and the price of it. Especially, extraction of Pd ions from the catalytic particles like a Pd/Sn colloid particle is very important. Pd is usually extracted by extractant such as trioctylphosphineoxide and thenoyltrifluoroacetone. Conventional solvent extraction suffers from some disadvantages. It needs mixing-settling stage, which can be costly in energy. But a new technique of extraction using CLA avoids these problems. In this study, the extraction of Pd ions from PdSn solution using CLA (collidal liquid aphron) was investigated.