### Accepted Manuscript

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PII: S1383-5866(18)32258-5

DOI: https://doi.org/10.1016/j.seppur.2018.08.016

Reference: SEPPUR 14837

To appear in: Separation and Purification Technology

Received Date: 30 June 2018
Revised Date: 7 August 2018
Accepted Date: 7 August 2018



Please cite this article as: L. Yun Wang, Q. Jie Guo, M. Seung Lee, Recent advances in metal extraction improvement: mixture systems consisting of ionic liquid and molecular extractant, *Separation and Purification Technology* (2018), doi: https://doi.org/10.1016/j.seppur.2018.08.016

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### **ACCEPTED MANUSCRIPT**

# Recent advances in metal extraction improvement: mixture systems consisting of ionic liquid and molecular extractant

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