



HOKKAIDO UNIVERSITY

Title	Agglomeration-flotation of finely ground chalcopyrite using surfactant-stabilized oil emulsions: Effects of co-existing minerals and ions
Author(s)	Hornn, Vothy; Park, Ilhwan; Ito, Mayumi et al.
Citation	Minerals engineering, 171, 107076 https://doi.org/10.1016/j.mineng.2021.107076
Issue Date	2021-09-01
Doc URL	https://hdl.handle.net/2115/90187
Rights	© <2021>. This manuscript version is made available under the CC-BY-NC-ND 4.0 license http://creativecommons.org/licenses/by-nc-nd/4.0/
Rights(URL)	https://creativecommons.org/licenses/by-nc-nd/4.0/
Type	journal article
File Information	supplement.pdf



Agglomeration-flotation of finely ground chalcopyrite using surfactant-stabilized oil emulsions: Effects of co-existing minerals and ions

Vothy Hornn, Ilhwan Park, Mayumi Ito, Hiromasa Shimada, Tomoki Suto, Carlito Baltazar Tabelin, Sanghee Jeon, Naoki Hiroyoshi

Supplementary information

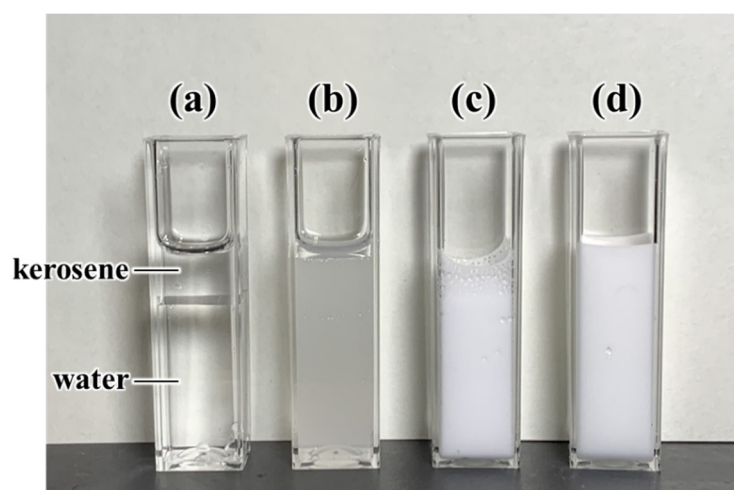


Fig. S1. The photos of (a) kerosene/water mixture without emulsification and emulsified oils with (b) no emulsifier, (c) SDS, and (d) KAX.

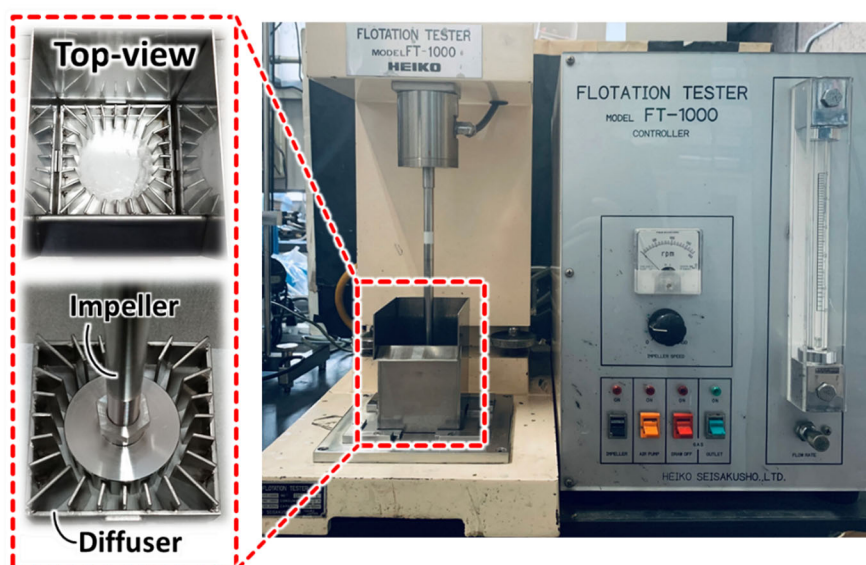


Fig. S2. A flotation machine used in this study.