Electronic Supplementary Material (ESI) for Journal of Analytical Atomic Spectrometry.

Evaluation of the digestion capability of ammonium bifluoride for the determination of major and trace elements in Ti-rich minerals by ICP–MS

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Supplementary Information B, including Fig. S1†, Fig. S2†, Fig. S3†, Fig. S4†:

Fig. S1†:

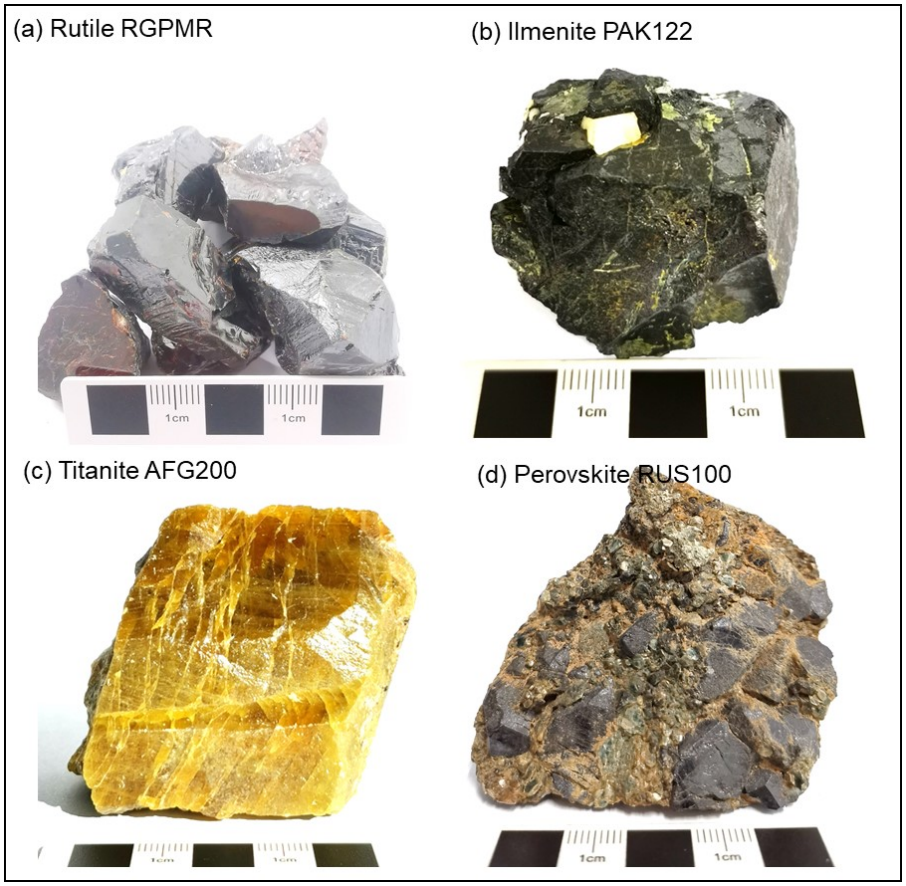

Fig. S1 Photographs of rutile RGPMR, ilmenite PAK122, titanite AFG200 and perovskite RUS100.

Fig. S2†:

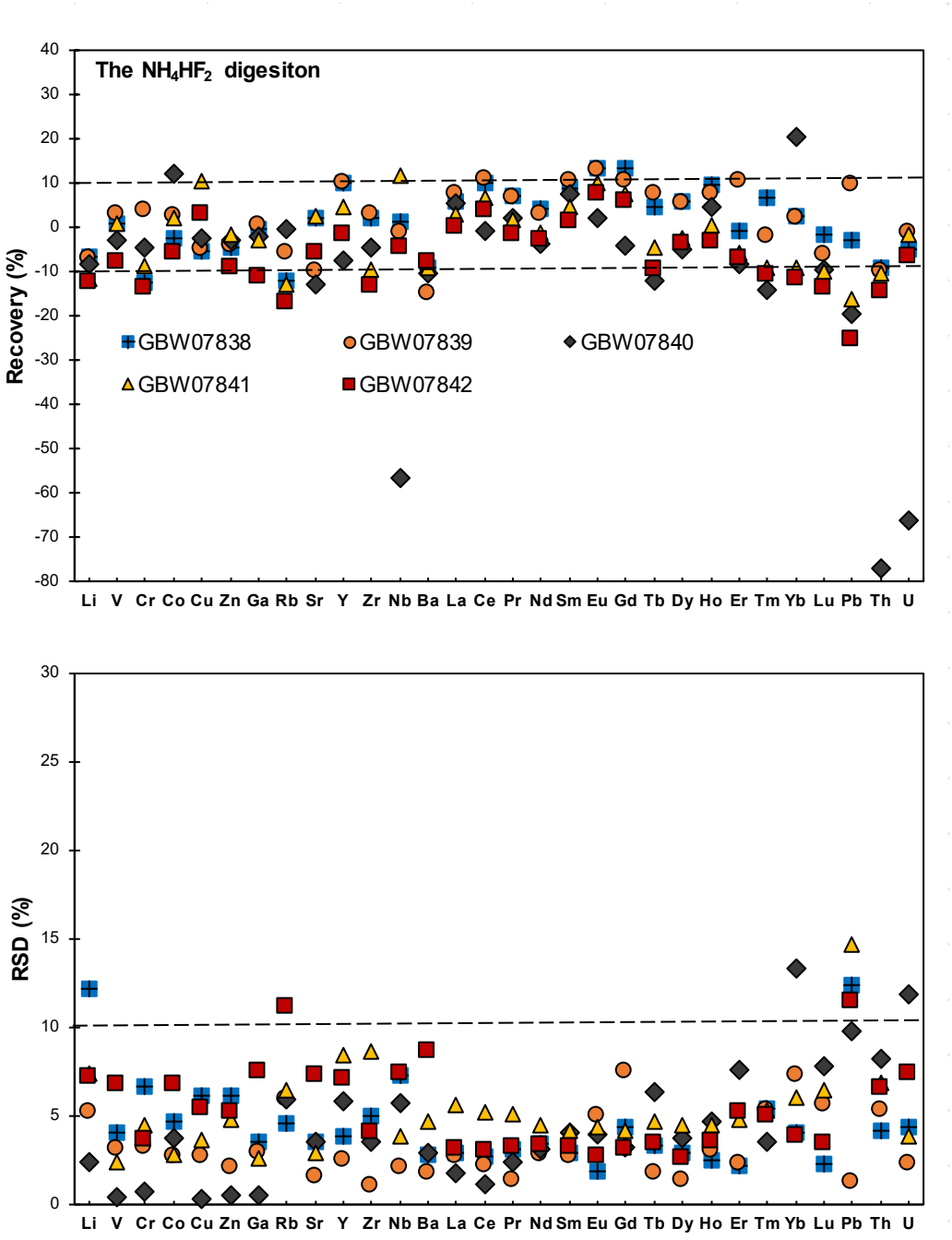

Fig. S2 The recoveries and RSD of most of elements in GBW07838-42 ilmenite ores using the NH_4HF_2 digestion by ICP–MS

Fig. S3†:

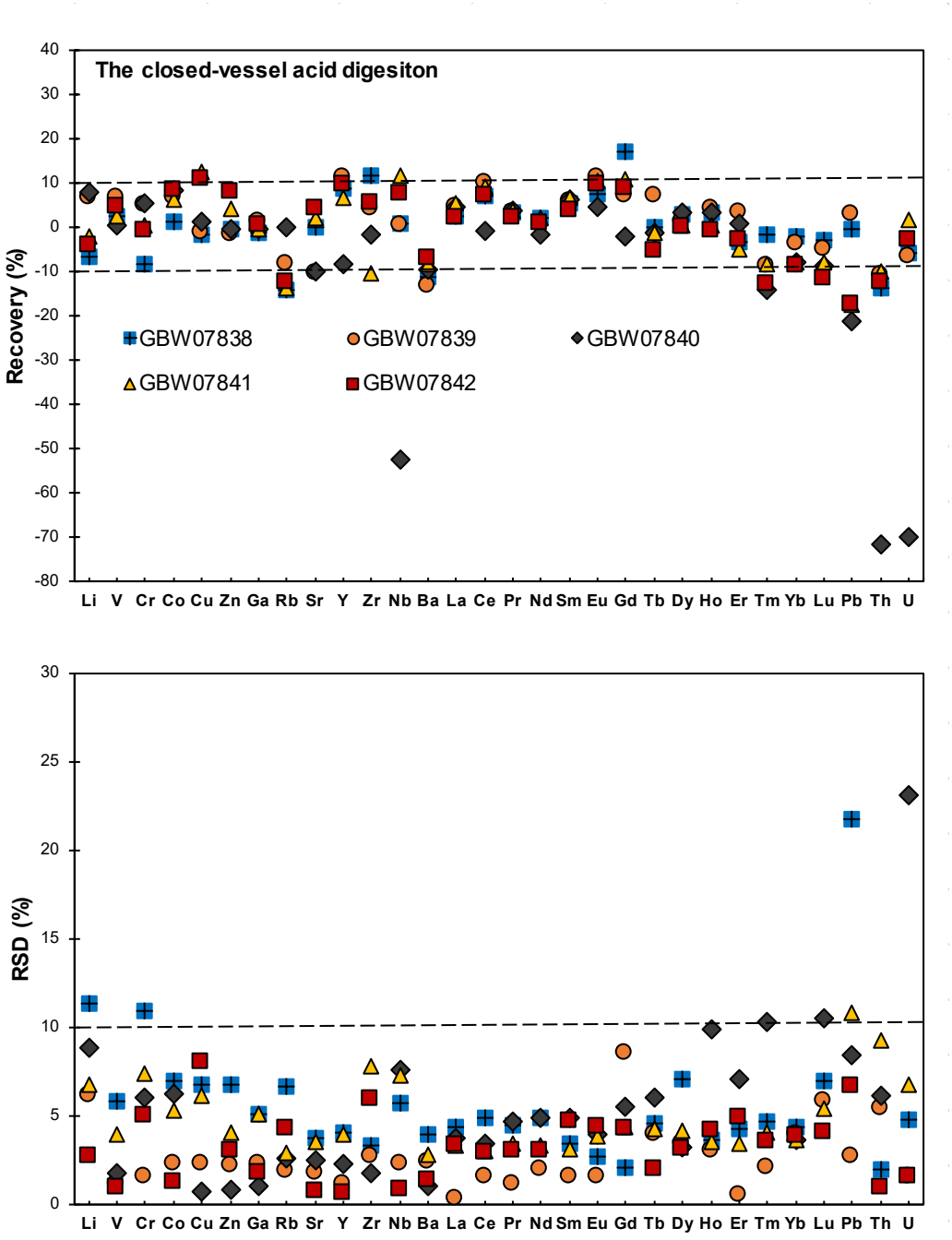

Fig. S3 The recoveries and RSD of most of elements in GBW07838-42 ilmenite ores using the closed-vessel acid digestion by ICP–MS

Fig. S4†:

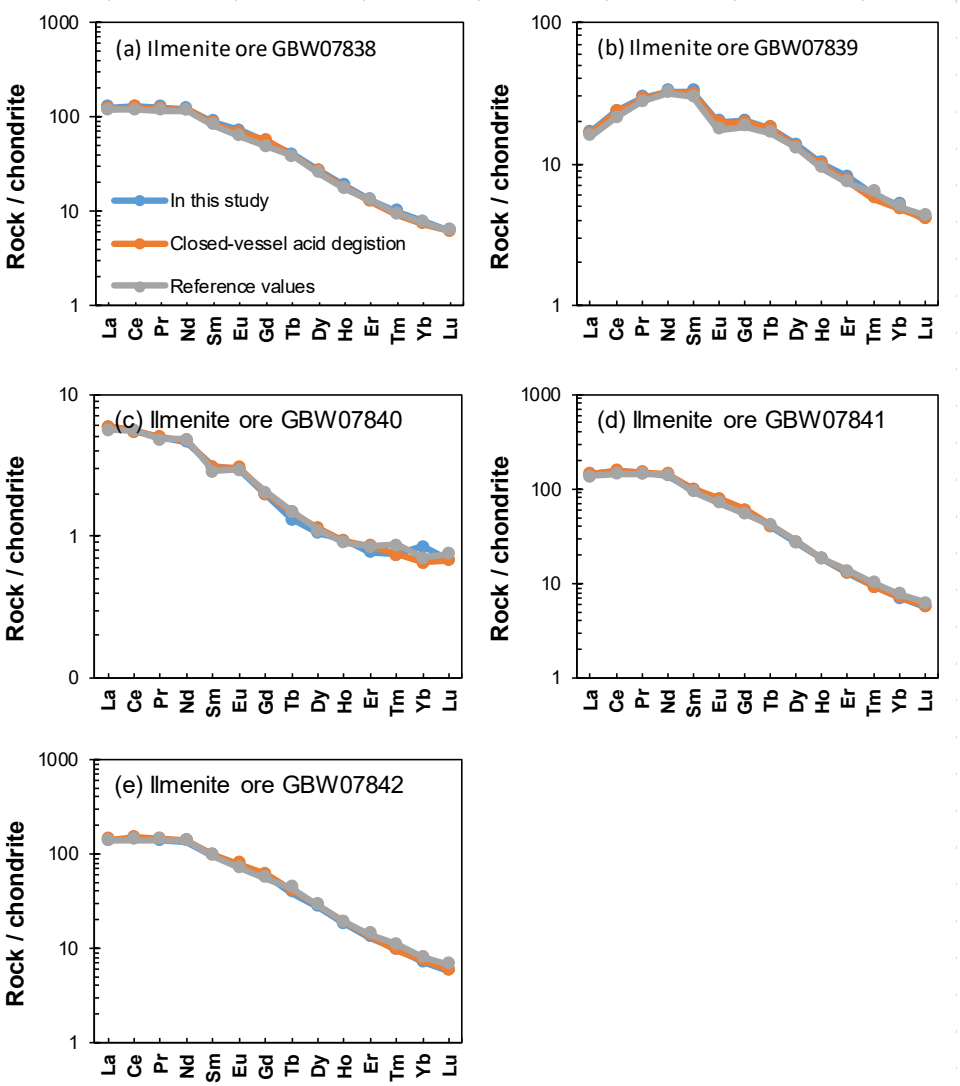

Fig. S4 Chondrite-normalized REE patterns for five ilmenite ores reference materials in this study. Chondrite-normalization values are taken from Sun and McDonough et al. (2012).