**Journal:** Journal of the Serbian Chemical Society
**Title:** The extraction of Sr2+ with dicyclohexano-18-crown-6 in conventional organic solvent and ionic liquid diluents
**Authors:** ZHENG WEI, YANG GAO\*, YU ZHOU, CAISHAN JIAO, MENG ZHANG, HONGGUO HOU, WEI LIU\*

Dear Prof. Ljiljana Damjanović Vasilić

 Thank you very much for your email on 14 Oct 2019. We would like to thank your letter and for the referee’s comments concerning our manuscript. We have read the comments carefully and have made the corresponding corrections which we hope meet with the approval. Attached please find our revised manuscript, and listed below are our point-by-point responses to the reviewer’s suggestions (the reviewer’s comments are in *italics*).

**Replies to Reviewer A:**

1. *Page 6. Line 157. "which is easy to decompose" should be changed to "which*

*easily decomposes"*

We have made the corresponding revision in the update version on line 158 of page 6.

2. *Page 11. "The difference...is small from the 1 molL-1 HNO3 medium," should*

*be changed in "The difference...in 1 molL-1 HNO3 medium is small"*

We have changed the corresponding sentence to “The difference of the *D*Sr values between the traditional and novel diluents in 1 mol·L-1 HNO3 medium is small.” on line 250 of page 11.

3.*In the Conclusion section, the authors stated (or just confirmed) the reviewers remark regarding influence of temperature effect on distribution coefficient, without reference to publication. Please* *include appropriate reference.*

In our revised manuscript, we have included several references and changed the corresponding sentence to “The temperature has significant impact on distribution coefficients of Sr2+ 10,20. Thermodynamic data are necessary in order to predict the 90Sr extraction behavior at high temperatures.” on line 329 of page 14.

In the end, we greatly appreciate both your help and that of the referees concerning improvement to this paper. We hope that the revised manuscript is now suitable to **Journal of the Serbian Chemical Society** for publication.

Sincerely yours,

Yang Gao

Fundamental Science on Nuclear Safety and Simulation Technology Laboratory

Harbin Engineering University

Harbin 150001, China

Email: gaoyang@hrbeu.edu.cn

Tel: +86-451-8251-8913

Fax: +86-451-8256-9655