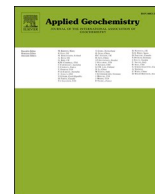




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Corrigendum to “Radium sorption on biotite; surface complexation modeling study” [Appl. Geochem. 140 (2022) 105289]

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The authors regret five minor corrections to the published article.

- Typographical correction. Page 2. Sentence “Radium is found in areas of uranium-rich rocks, where Ra is Outleached [sic] from the host rock and soil by rainfall and the surrounding groundwater –.” should instead be “Radium is found in areas of uranium-rich rocks, where Ra is outleached from the host rock and soil by rainfall and the surrounding groundwater –.”.
- Page 3. The chemical form of barium in the preparation of the isotherm setting solution was not “BaCl₂” but “BaCl₂ · 2 H₂O”, from Merck. The molarity isotherm calculations have been done with BaCl₂ · 2 H₂O, and the mistake exists solely in the article text.
- Page 4. Considering the surface complexation reactions employed in the PHREEQC modeling, there exists a mistake in the charge notation of the bound barium in the second provided reaction. The reaction reads “S_wOH + Ba²⁺ ⇌ S_wOBa²⁺ + H⁺”, but should be “S_wOH +

Ba²⁺ ⇌ S_wOBa⁺ + H⁺”. The provided log K values of the reactions remain unchanged.

- Page 5. Considering the density functional theory modeling results of Ra²⁺ and Ba²⁺ sorption site densities on the phlogopite mineral, there has been a mix-up between the two last site locations. Instead of “– 5.6 weak sites nm^{–2} on the cut surface for surface complexation reactions. – there are 4.2 sites nm^{–2} on the basal site for ion exchange reactions.” it should read “– 5.6 weak sites nm^{–2} on the basal surface for surface complexation reactions. – there are 4.2 sites nm^{–2} on the cut surface for ion exchange reactions.”
- Page 6. For Table 3 heading, we feel it is prudent to further clarify that the best fit selectivity coefficient values (K) are given in the logarithmic form.

The authors would like to apologize for any inconvenience caused.

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