

Accepted Manuscript

A universal uptake mechanism for cobalt(II) on soil constituents: ferrihydrite, kaolinite, humic acid, and organo-mineral composites

Gemma L. Woodward, Caroline L. Peacock, Alba Otero-Fariña, Olivia R. Thompson, Andrew P. Brown, Ian T. Burke

PII: S0016-7037(18)30369-7
DOI: <https://doi.org/10.1016/j.gca.2018.06.035>
Reference: GCA 10824

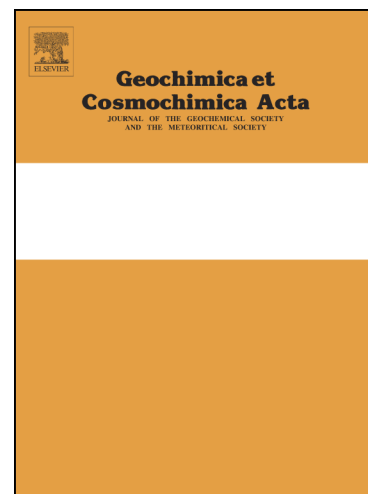
To appear in: *Geochimica et Cosmochimica Acta*

Received Date: 30 January 2018

Accepted Date: 28 June 2018

Please cite this article as: Woodward, G.L., Peacock, C.L., Otero-Fariña, A., Thompson, O.R., Brown, A.P., Burke, I.T., A universal uptake mechanism for cobalt(II) on soil constituents: ferrihydrite, kaolinite, humic acid, and organo-mineral composites, *Geochimica et Cosmochimica Acta* (2018), doi: <https://doi.org/10.1016/j.gca.2018.06.035>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**A universal uptake mechanism for cobalt(II) on soil
constituents: ferrihydrite, kaolinite, humic acid, and
organo-mineral composites.**

Gemma L. Woodward^{1*}, Caroline L. Peacock^{1*}, Alba Otero-Fariña², Olivia R. Thompson³,
Andrew P. Brown⁴ and, Ian T. Burke^{1*}

¹School of Earth and Environment, University of Leeds, Leeds, LS2 9JT, UK.

²Department of Physical Chemistry, University of Santiago de Compostela, Avenida de las Ciencias
s/n, 15782 Santiago de Compostela, Spain.

³National Nuclear Laboratory Ltd., Chadwick House, Warrington, Cheshire, WA3 6AE, U.K.

⁴School of Chemical and Process Engineering, University of Leeds, Leeds, LS2 9JT, UK.

Corresponding Authors:

Gemma L. Woodward; Email: ee11glw@leeds.ac.uk;

Caroline L. Peacock; Email: C.L.Peacock@leeds.ac.uk;

Ian T. Burke; Email: I.T.Burke@leeds.ac.uk

Prepared for submission to *Geochimica et Cosmochimica Acta*.

Download English Version:

<https://daneshyari.com/en/article/8910601>

Download Persian Version:

<https://daneshyari.com/article/8910601>

[Daneshyari.com](https://daneshyari.com)