



RETRACTION: Ni-2[LnCl(6)] (Ln = Eu-II, Ce-II, Gd-II): the first Ln(II) compounds stabilized in a pure inorganic lattice

Bianca Baldo, Francisco Rubio, Erwin Flores, Andres Vega, Nathalie Audebrand, Diego Venegas-Yazigi, Veronica Paredes-Garcia

► To cite this version:

Bianca Baldo, Francisco Rubio, Erwin Flores, Andres Vega, Nathalie Audebrand, et al.. RETRACTION: Ni-2[LnCl(6)] (Ln = Eu-II, Ce-II, Gd-II): the first Ln(II) compounds stabilized in a pure inorganic lattice. Chemical Communications, 2019, 55 (87), pp.13183-13183. 10.1039/c9cc90457c . hal-02438547

HAL Id: hal-02438547

<https://univ-rennes.hal.science/hal-02438547>

Submitted on 14 Jan 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution 4.0 International License

RETRACTION

[View Article Online](#)
[View Journal](#) | [View Issue](#)

Cite this: *Chem. Commun.*, 2019, 55, 13183

Retraction: $\text{Ni}_2[\text{LnCl}_6]$ ($\text{Ln} = \text{Eu}^{\text{II}}$, Ce^{II} , Gd^{II}): the first Ln^{II} compounds stabilized in a pure inorganic lattice

Bianca Baldo,^{ab} Francisco Rubio,^{ac} Erwin Flores,^a Andres Vega,^{ac}
Nathalie Audebrand,^b Diego Venegas-Yazigi^{cd} and Verónica Paredes-García^{*ac}

DOI: 10.1039/c9cc90457c

rsc.li/chemcomm

Retraction of ' $\text{Ni}_2[\text{LnCl}_6]$ ($\text{Ln} = \text{Eu}^{\text{II}}$, Ce^{II} , Gd^{II}): the first Ln^{II} compounds stabilized in a pure inorganic lattice' by Bianca Baldo et al., *Chem. Commun.*, 2018, **54**, 7531–7534.

We, the named authors hereby wholly retract this *Chemical Communications* article due to concerns with the interpretation of the data in the published article.

In the article crystal structures were identified by the authors as $\text{Ni}_2[\text{LnCl}_6]$. Subsequent analysis of the data by independent experts suggest that the structure is a better match for the compound $[\text{Ni}(\text{NH}_3)_6]\text{Cl}_2$. The authors suggest that there may be a mixture of compounds present in their material, but it has not been possible to obtain convincing data for the lanthanide crystals at this time.

Given the significance of the concerns, the validity of the data and, therefore, the conclusions presented in this paper are no longer reliable.

Signed: Bianca Baldo, Francisco Rubio, Andres Vega, Nathalie Audebrand, Diego Venegas-Yazigi and Verónica Paredes-García
Date: 7th October 2019

Erwin Flores was contacted but did not respond.

Retraction endorsed by Richard Kelly, Executive Editor, *Chemical Communications*

^a Universidad Andres Bello, Facultad de Ciencias Exactas, Departamento de Ciencias Químicas, Santiago, Chile. E-mail: vparedes@unab.cl

^b Université de Rennes 1, Institut des Sciences Chimiques de Rennes, UMR 6226, France

^c CEDENNA, Santiago, Chile

^d Universidad de Santiago de Chile, Facultad de Química y Biología, Departamento de Química de los Materiales, Santiago, Chile

