

Corrections for the proofs Chimia (2 pages)

Set Aside When Building the Periodic Table 150 Years Ago, Are Rare Earths Any Better Considered by Chemists in the 21st century?

Claude Piguet

Corrections of the proofs.

Location in the text	Current text	Corrected text
Page 2, right column, line 7	$[\text{Lu}(\text{H}_2\text{O}_n)]^{3+}$	$[\text{Lu}(\text{H}_2\text{O})_n]^{3+}$ <i>Explanation: Do not cut a complex between two lines.</i>
Page 2, right column, line 19	...broken down into two major components.	...broken down into two major components. <i>Explanation: The first letter of the number 'two' is too big.</i>
Page 3, left column, Eq. 2	$I_3 = E(\text{Ln}^{3+}) - E(\text{Ln}^{2+}) = E(f^{n-1}) - E(f^n) = U - (n-1)J + (m(f^n) - m(f^{n-1}))K$	$I_3 = E(\text{Ln}^{3+}) - E(\text{Ln}^{2+}) = E(f^{n-1}) - E(f^n) = U - (n-1)J + (m(f^n) - m(f^{n-1}))K$ <i>Explanation: Re-format the equation within two lines.</i>
Page 6, right column, line 32	...(C4 environments...	...(C ₄ environments...) <i>Explanation: 4 should be subscript.</i>
Page 7, right column, line 1	an subsequent...	a subsequent... <i>Explanation: replace an with a.</i>

<p>Page 8, left column, ref. 8</p>	<p>[8] C. K. Jorgensen, in ‘Handbook on the Physics and Chemistry of Rare Earths’, Eds. K. A. Gschneidner Jr, L. Eyring, Elsevier, 1988, <i>11</i>, pp 197-287.</p>	<p>[8] C. K. Jorgensen, in ‘Handbook on the Physics and Chemistry of Rare Earths’, Eds. K. A. Gschneidner Jr, L. Eyring, Elsevier, 1988, <i>11</i>, pp 197-287. The subtle different nomenclatures used for lanthanoids (La-Lu) and lanthanides (Ce-Lu) are not considered in this broad scope mini-review. Only the most popular term ‘lanthanide’ is used throughout the text.</p> <p><i>Explanation: No change for the reference, but the short added note will avoid to get some aggressive criticisms from Talibans of nomenclatures, while helping non-specialists to go through this essay.</i></p>
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