

Supporting Information

Curvature of the Lanthanide Contraction: An Explanation

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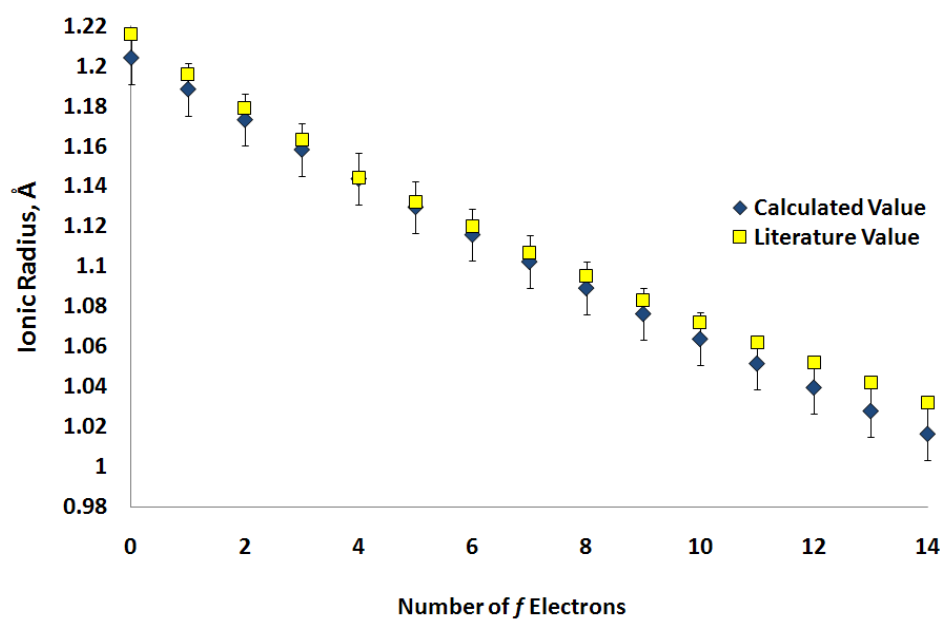


Fig. S1. Comparison between the ionic radii of the lanthanide series calculated by making use of the refined values for a and b of Eq. (1) and those reported in the literature [1].

Table S1. Refined values for the parameters a , b , and $r_{(L)}$

Parameter	Refined value ^a
a	0.865(3) Å ⁻¹
b	0.0114(4) Å ⁻¹
$r_{(L)}$; L = Te _(axial)	2.041(6) Å
$r_{(L)}$; L = H ₂ O _(capping)	1.512(5) Å

^a σ in parentheses**Table S2.** Correlation coefficient matrix of the refined parameters a , b , $r_{(L)}$.

	a	b	$r_{(L)}$; L = Te _(axial)	$r_{(L)}$; L = H ₂ O _(capping)
a	1.0000	-0.7271	0.2233	0.4488
b		1.0000	0.1052	-0.0867
$r_{(L)}$; L = Te _(axial)			1.0000	0.2362
$r_{(L)}$; L = H ₂ O _(capping)				1.0000

References

- [1] R. Shannon, Acta Cryst. A32 (1976) 751.