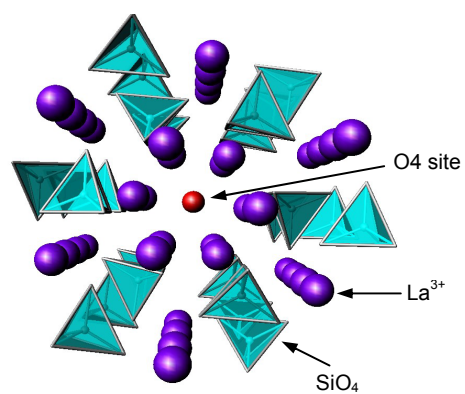


## ELECTRONIC SUPPLEMENTARY INFORMATION



**Figure 1** Apatite structure of  $\text{La}_{9.33}(\text{SiO}_4)_6\text{O}_2$  viewed down the  $c$  axis showing  $\text{SiO}_4$  tetrahedra, rows of La2 ions and the La1/O4-containing channels. For clarity, La2 vacancies are not shown.