

Zr₆O₈ core cluster with formula unit
[Zr₆O₄(OH)₄(OH₂)₈(CH₃COO)₄(SO₄)₄] · nH₂O obtained under mild
conditions

Andrea Y. Garzón-Serrano^a, Johan D. Lozano^b, Leon D. Perez,^a César A. Sierra^{*a}, Mario A. Macías^{*b}

^a Grupo de Investigación en Macromoléculas, Departamento de Química, Universidad Nacional de Colombia, Bogotá, 111321, Colombia.

^b Crystallography and Chemistry of Materials, CrisQuimMat, Department of Chemistry, Universidad de los Andes, Bogotá, 111711, Colombia.

Corresponding authors: casierraa@unal.edu.co; ma.maciasl@uniandes.edu.co

SUPPORTING INFORMATION

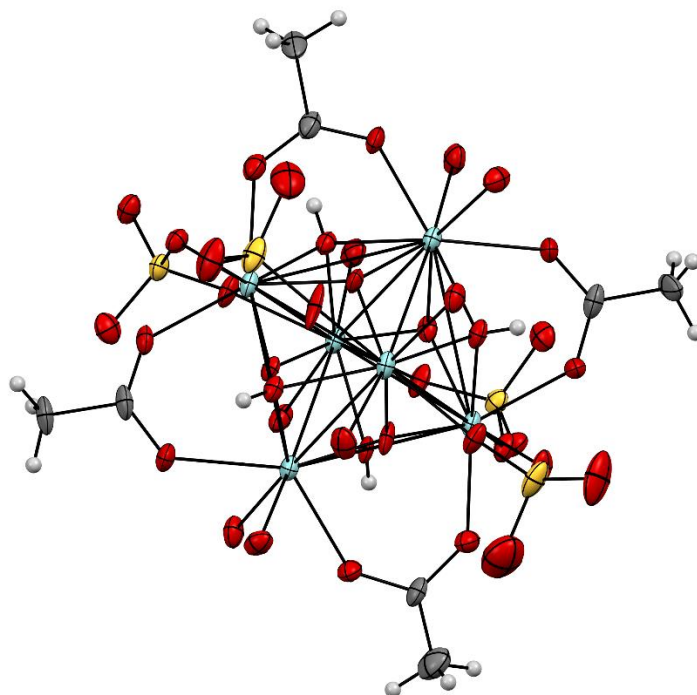


Figure S1. Molecular structure with anisotropic thermal vibration ellipsoids drawn at the 30% probability level. The hydrogen atoms are shown as spheres of arbitrary radius.

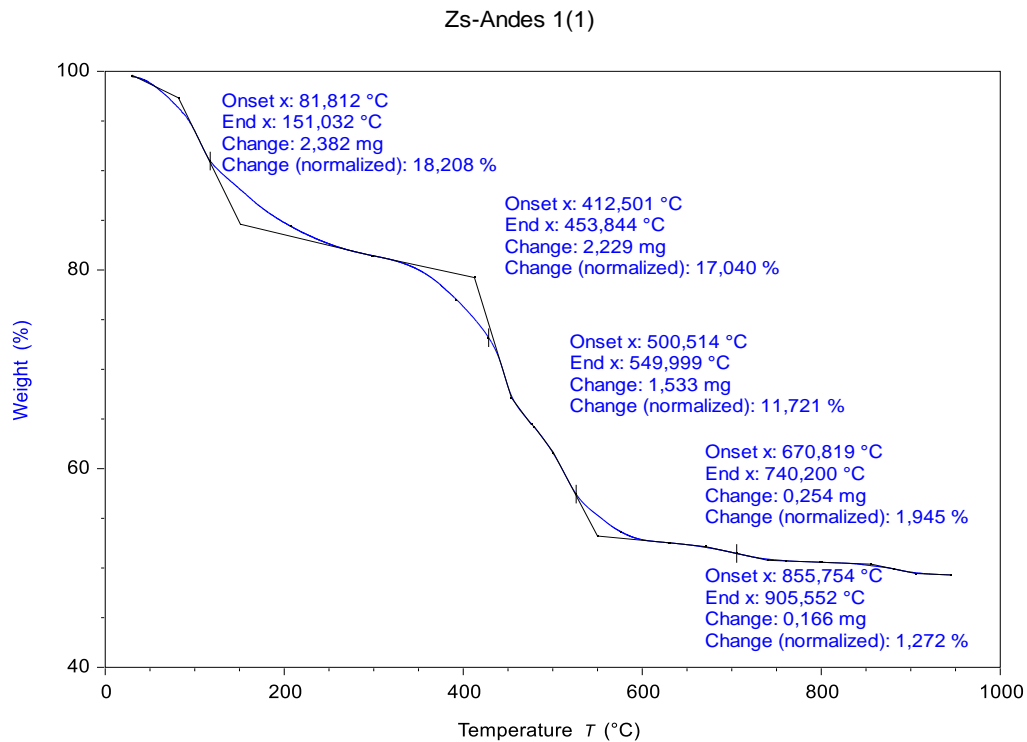


Figure S2. TGA diagram for $[\text{Zr}_6\text{O}_4(\text{OH})_4(\text{OH}_2)_8(\text{CH}_3\text{COO})_4(\text{SO}_4)_4] \cdot 17\text{H}_2\text{O}$

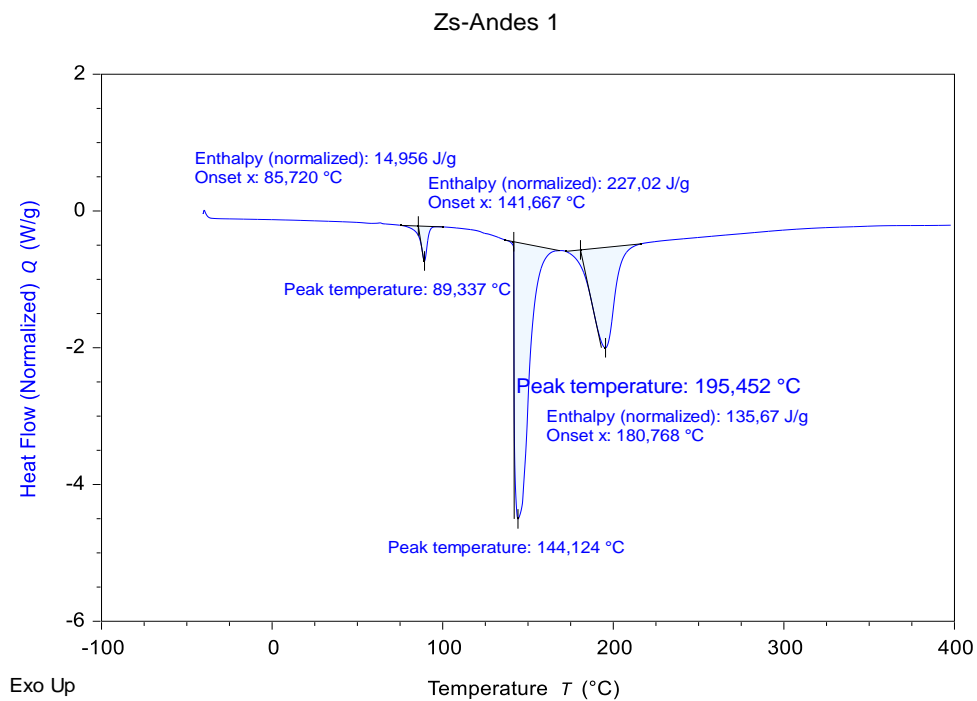


Figure S3. DSC diagram for $[\text{Zr}_6\text{O}_4(\text{OH})_4(\text{OH}_2)_8(\text{CH}_3\text{COO})_4(\text{SO}_4)_4] \cdot 17\text{H}_2\text{O}$

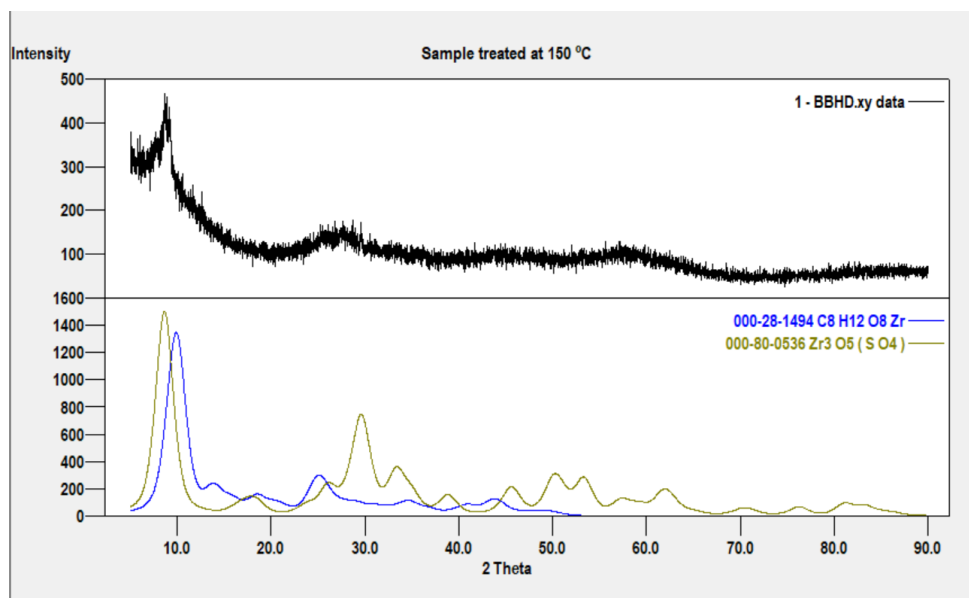


Figure S4. X ray diffractogram of the bulk sample treated at 150 °C of $[\text{Zr}_6\text{O}_4(\text{OH})_4(\text{OH}_2)_8(\text{CH}_3\text{COO})_4(\text{SO}_4)_4] \cdot 17\text{H}_2\text{O}$. Up: experimental diffractogram. Down: Diffractograms from the ICSD database.