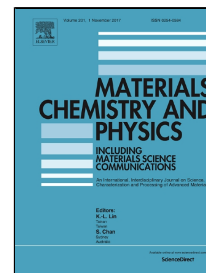


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Size- and shape-dependence of the thermodynamic properties of nanocrystals

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Highlights

- Relations of thermodynamic properties of NCs with various shapes are derived.
- Influence regularities of size and shape on thermodynamic properties are discussed.
- Thermodynamic properties of NCs involved in experiments are reasonably explicated.
- The δ and σ/σ_∞ of Al NCs are obtained based on surface thermodynamic properties.

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