

**Assessing structural bonding aspects of multiband superconductors through impurity-induced local lattice distortions : a case study on MgB<sub>2</sub>**

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**A comparative study of structural energetics and chemical bonding in Ca-based dielectric materials : an integrated view from first-principles calculations**

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**Electronic and optical properties of magnesium and calcium hydroxides : the role of covalency and many-body effects**

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**Electronic and optical properties of magnesium and calcium hydroxides : the role of covalency and many-body effects**

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