

The honeycomb-based molded structure, which was inspired by bee honeycombs and provides a material with low density and high out-of-plane compression and shear properties, has found widespread use and now plays ...

3 ???#0183; The structure model for $\text{Li}_{44}\text{Mn}_{18}\text{Ni}_{10}\text{O}_{72}$ was chosen based on low coulombic energy and the honeycomb superstructure LiNiMn_5 . Supplementary Fig. 5a shows the exemplary crystal structure of ...

Currently, with a niche application in energy storage as high-voltage materials, this class of honeycomb layered oxides serves as ideal pedagogical exemplars of the innumerable ...

In this review, we delineate the relevant chemistry and physics of honeycomb layered oxides, and discuss their functionalities for tunable electrochemistry, superfast ionic conduction, electromagnetism and topology.

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