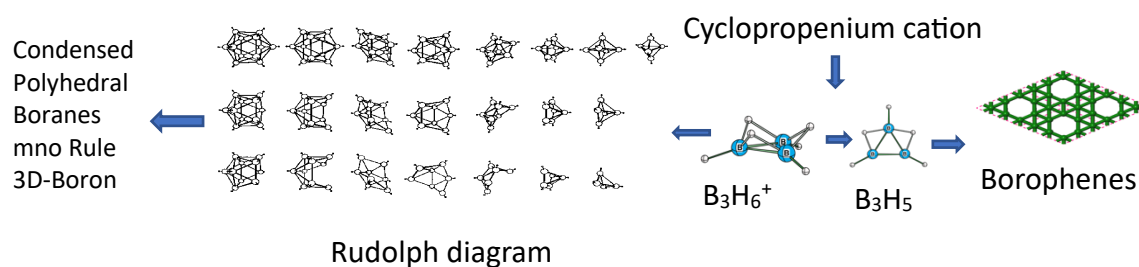


A Sixth Sense for the Fifth Element: Graphite to Graphene and BoropheneS to BorophiteS

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The certainty with which the allotropes of the sixth element Carbon, viz diamond, graphite, graphene, fullerene, and carbon nanotubes can be ascertained experimentally and theoretically, makes us feel that this should be true for the fifth element Boron as well. However, structures of Boron 2D allotropes (Borophenes and Borophites), and 3D allotropes are not well understood. Recent attempts to “understand” the structural chemistry of boron will be presented here.



References:

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