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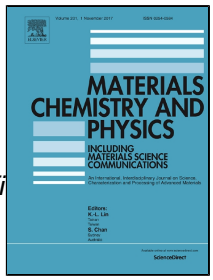

Investigation of structural, electronic, anisotropic elastic, and lattice dynamical properties of MAX Phases Borides: An Ab-initio study on hypothetical M_2AB (M= *Ti*, *Zr*, *Hf*; A=*Al*, *Ga*, *In*) compounds

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- The structural, electronic, and lattice dynamical properties of MAX phases borides are studied.
- The calculated all M_2AB phases are mechanically and thermodynamically stable.
- The band structures for M_2AB phases are metallic in nature.