



FIGURE 2 XRD patterns of (A) MgSiO₃ perovskite and (B) post-perovskite (after Murakami et al. 2004). P, perovskite; Pt, platinum; N, new phase (post-perovskite). In (B), the powder XRD pattern of post-perovskite simulated by molecular dynamics (MD) calculations and the peak positions of MgO and SiO₂ (both -PbO₂-type and CaCl₂-type structures) are shown.