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New high-pressure perovskite-like phases $ACu_3V_4O_{12}$ (A-Sm, Gd, Tb, Dy, Er and Tm): synthesis and electrical properties[1] IRINA USTINOVA, NINA MELNIKOVA, UrFU, NADEZHDA KADYROVA, ISSC UB RAS, ALEXEY BABUSHKIN, UrFU, YURII ZAYNULIN, ISSC UB RAS — The aim of this work was to investigate the effect of high pressures on the electrical properties of the new high-pressure perovskite-like phases $ACu_3V_4O_{12}$ (A-Sm, Gd, Tb, Dy, Er and Tm). The X-ray and microstructural studies of the synthesized by barothermal compression compounds were carried out. The electrical properties of the compounds were studied in the wide ranges of frequencies of the electric field, temperatures and pressures.

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