

Investigation of the energetics of structural transformations in Co-based binary alloys

Prime Novelty Statement

This work is the first of its kind in the investigation of transformation paths in the f.c.c – h.c.p martensitic transition in Co-based binary alloys. Modeling of the transformation, followed by the calculation of the minimum energy path (MEP) and calculation of energy barriers has insofar not been presented together for any unary or binary system.