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The tunable magnetic properties and microstructures of Co-Ni double-substituted M-type CaSrLa hexaferrites

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Highlights

- $\text{Ca}_{0.30}\text{Sr}_{0.35}\text{La}_{0.35}\text{Fe}_{12.0-x}(\text{Co}_{0.5}\text{Ni}_{0.5})_x\text{O}_{19}$ hexaferrites were synthesized by traditional solid state method.
- The single magnetoplumbite phase is obtained if Co-Ni content (x) ≤ 0.4 .
- M_s , M_r , H_c , and H_a decrease with increasing Co-Ni content (x) from 0.0 to 1.0.

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