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

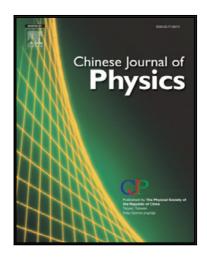
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Highlights

- $Ca_{0.30}Sr_{0.35}La_{0.35}Fe_{12.0-x}(Co_{0.5}Ni_{0.5})_xO_{19}$ hexaferrites were synthesized by traditional solid state method.
- The single magnetoplumbite phase is obtained if Co-Ni content $(x) \le 0.4$.
- 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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