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Nota di contenuto	1. Introduction --2. New Oxide-ion conductors of DionJacobson-Type Layered Perovskites CsBiTiNbO[delta] --3. New Oxide-ion conductors of DionJacobson- Type Layered Perovskites CsLnTi2NbO (Ln = La, Pr, Nd, Sm, Gd, Ho and Yb) and CsLaxMxTi+yNbyOx/y/ (M = Ca, Sr and Ba; x = 0, 0.1; y = 0.1, 0 and 0.1) --4. Conclusion and Future Work. .
Sommario/riassunto	This book reports a study of a class of DionJacobson-type layered perovskite oxides in which high oxide-ion conductivities in phases were discovered for the first time in the world. The oxide-ion conductors are important in various energy conversion devices and environmental protection applications such as solid-oxide fuel cells, oxygen gas sensors, oxygen separation membranes, and oxygen-based catalysts.