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Nota di contenuto	1 Hörmander's operators: what they are -- 2 Hörmander's operators: why they are studied -- 3 A priori estimates in Sobolev spaces -- 4 Geometry of Hörmander's vector fields -- 5 Beyond Hörmander's operators.
Sommario/riassunto	Hörmander's operators are an important class of linear elliptic-parabolic degenerate partial differential operators with smooth coefficients, which have been intensively studied since the late 1960s and are still an active field of research. This text provides the reader with a general overview of the field, with its motivations and problems, some of its fundamental results, and some recent lines of development.