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Titolo	Transport properties of ions in gases // Edward A. Mason, Earl W. McDaniel [[electronic resource]]
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Descrizione fisica	1 online resource (xvi, 560 p.) : ill. ;
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Note generali	"A Wiley-Interscience publication."
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Sommario/riassunto	Thorough coverage of the transport properties of ions in gases is presented in this book. The text starts from first principles, making it useful to those new to the field as well as to experts. The authors describe the motions of ions in gases in electric fields, methods for measuring mobilities and diffusion coefficients, and pitfalls in measuring these quantities. A detailed development of the theory of transport processes in the context of the kinetic theory of gases is provided. The book also contains relevant experimental techniques and an index to experimental data.