

1. Record Nr.	UNINA9911019123203321
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Titolo	Transport properties of ions in gases // Edward A. Mason, Earl W. McDaniel [[electronic resource]]
Pubbl/distr/stampa	New York, : Wiley, c1988
ISBN	1-280-56103-3 9786610561032 3-527-60285-2
Descrizione fisica	1 online resource (xvi, 560 p.) : ill. ;
Altri autori (Persone)	McDanielEarl Wadsworth <1926->
Disciplina	533
Soggetti	Ionic mobility Drift mobility Diffusion Transport theory Kinetic theory of gases Electricity & Magnetism Physics Physical Sciences & Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references.
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.