

1. Record Nr.	UNINA9910426043903321
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Titolo	An introduction to cold and ultracold chemistry : atoms, molecules, ions and Rydbergs // Jesus Perez Rios
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-55936-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIX, 267 p. 114 illus., 92 illus. in color.)
Disciplina	541.3686
Soggetti	Cryochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book provides advanced undergraduate and graduate students with an overview of the fundamentals of cold and ultracold chemistry. Beginning with definitions of what cold and ultracold temperatures mean in chemistry, the book then takes the student through the essentials of scattering theory (classical and quantum mechanical), light-matter interaction, reaction dynamics and Rydberg physics. The author aims to show the reader the richness of the topic while motivating students to understand the fundamentals of these intriguing reactions and underlying connecting relationships. Including material which was previously only found in specialized review articles, this book provides students working in the fields of ultracold gases, chemical physics and physical chemistry with the tools they need to immerse themselves in the realm of cold and ultracold chemistry. This book opens up the exciting chemical laws which govern chemistry at low temperatures to the next generation of researchers.