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Titolo	Halogen bonding in solution // edited by Stefan Huber
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Descrizione fisica	1 online resource (415 pages) : illustrations
Disciplina	546.73
Soggetti	Halogen compounds Halogens
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	"The book gives a concise overview of halogen bond interactions in solution. It discusses the history and electronic origin of halogen bonding and summarizes all relevant examples of its application in organocatalysis. It describes the use of molecular iodine in catalysis and industrial applications, as well as recent developments in anion transport and binding. Following a chapter on the spectroscopic detection of halogen bonding in solution, applications in biochemistry and electrochemistry are presented. Finally, a comparison of halogen bonding in solution and solid state is included. Aimed at facilitating exciting future developments in the field, the book is a valuable source of information for researchers and professionals working in the field of supramolecular chemistry, catalysis, biochemistry, drug design, and electrochemistry"--