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Titolo	Polyelectrolytes : Thermodynamics and Rheology // edited by Visakh P. M., Oguz Bayraktar, Guillermo Alfredo Picó
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Collana	Engineering Materials, , 1612-1317
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Soggetti	Materials science Thermodynamics Heat engineering Heat transfer Mass transfer Polymers Characterization and Evaluation of Materials Engineering Thermodynamics, Heat and Mass Transfer Polymer Sciences
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Polyelectrolyte: Thermodynamics and Rheology -- Structure and Thermodynamics of Polyelectrolyte Complexes -- Polyelectrolyte: Science and Application -- Biological polyelectrolytes: Solutions, Gels, Intermolecular complexes and nanoparticles -- Polyelectrolyte Hydrogels: Thermodynamics -- Thermodynamic and rheological properties of polyelectrolyte systems -- Complexes formation between proteins and polyelectrolytes and their application in the downstream processes of enzyme purification -- Polyelectrolyte complexes: Bridging the ensemble average – single-molecule strategies -- Stratified Interpolyelectrolyte Complexes: Fabrication, Structure and Properties -- Monte Carlo Studies in Polyelectrolyte Solutions: Structure and Thermodynamics -- .
Sommario/riassunto	This book offers a valuable reference source to graduate and post graduate students, engineering students, research scholars polymer

engineers from industry. The book provides the reader with current developments of theoretical models describing the thermodynamics polyelectrolytes as well as experimental findings. A particular emphasis is put on the rheological description of polyelectrolyte solutions and hydrogels. .
