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Autore	Amer Maher S
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Altri autori (Persone)	AmerMaher S
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Nota di contenuto	RAMAN SPECTROSCOPY FOR SOFT MATTER APPLICATIONS; CONTENTS; PREFACE; CONTRIBUTORS; I. INTRODUCTION, THEORY, AND INSTRUMENTATION; 1. Introduction and Overview; 2. Raman Scattering Theory and Elements of Raman Instrumentation; II. POLYMER, COLLOIDAL, AND FOOD APPLICATIONS; 3. Raman Applications in Polymer Films for Real-Time Characterization; 4. Raman Applications in Synthetic and Natural Polymer Fibers and Their Composites; 5. Raman Application in Emulsion Polymerization Systems; 6. Raman Applications in Liquid Crystals; 7. Raman Applications in Foams; 8. Raman Applications in Food Analysis III. MEDICAL APPLICATIONS9. Raman Application in Bone Imaging; 10. Raman Applications in Cancer Studies; INDEX
Sommario/riassunto	Raman spectroscopy provides a critical characterization tool in analytical chemistry. This book presents the fundamentals of raman spectroscopy outside the focus of physics to offer an accessible guide to scientists working in the broad area of soft materials. The book is

organized into four sections with the first devoted to an introduction to Raman spectroscopy which includes scattering theory and instrumentation. The following sections are devoted to application areas including polymers and colloids, food science, drug delivery, defense, and medical.

2. Record Nr.	UNIORUON00221759
Autore	GRACCI, Angiolo
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