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Autore	Blunt, Wilfrid Scawen
Titolo	India under ripon : a private diary : continued from his "secret history of the English occupation of Egypt" / Wilfrid Scawen Blunt
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2. Record Nr.	UNINA9910300431803321
Autore	Hertel Ingolf V
Titolo	Atoms, Molecules and Optical Physics 2 : Molecules and Photons - Spectroscopy and Collisions / / by Ingolf V. Hertel, Claus-Peter Schulz
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2015
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Descrizione fisica	1 online resource (XXXV, 728 p. 393 illus., 383 illus. in color.)
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Soggetti	Atoms Physics Chemistry, Physical and theoretical Spectrum analysis Microscopy Optics Electrodynamics Atomic, Molecular, Optical and Plasma Physics Physical Chemistry Spectroscopy and Microscopy Classical Electrodynamics
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Nota di contenuto	<p>Laser, Light Beams and Light Pulses -- Coherence and Photons -- Diatomic Molecules -- Polyatomic Molecules -- Molecular Spectroscopy -- Basics of Atomic Collision Physics: Elastic Processes -- Inelastic Collisions – a First Overview -- Electron Impact Excitation and Ionization -- The Density Matrix – a First Approach -- Optical Bloch Equations -- Appendices.</p>
Sommario/riassunto	<p>This is the second volume of textbooks on atomic, molecular and optical physics, aiming at a comprehensive presentation of this highly productive branch of modern physics as an indispensable basis for many areas in physics and chemistry as well as in state of the art bio- and material-sciences. It primarily addresses advanced students (including PhD students), but in a number of selected subject areas the reader is lead up to the frontiers of present research. Thus even the active scientist is addressed. This volume 2 introduces lasers and quantum optics, while the main focus is on the structure of molecules and their spectroscopy, as well as on collision physics as the continuum counterpart to bound molecular states. The emphasis is always on the experiment and its interpretation, while the necessary theory is introduced from this perspective in a compact and occasionally somewhat heuristic manner, easy to follow even for beginners.</p>