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Titolo	Handbook of single molecule fluorescence spectroscopy [[electronic resource] /] / Chris Gell, David Brockwell, Alastair Smith
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2006
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Descrizione fisica	1 online resource (279 p.)
Altri autori (Persone)	BrockwellDavid SmithAlastair (D. Alastair)
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Single molecule fluorescence techniques -- Single molecule fluorescence instrumentation -- Preparation of samples for single molecule fluorescence spectroscopy -- Fluorescence spectroscopy of freely diffusing single molecules : examples -- Fluorescence spectroscopy of immobilized single molecules : examples -- The outlook for single molecule fluorescence measurements.
Sommario/riassunto	This book is aimed at providing a practical introduction to single molecule fluorescence experiments, the analysis of the data, and applications of the techniques to the study of biological structure and function. The techniques have wide applications in biology, and underpin some aspects of nanotechnology and quantum information processing. - ;Analytical measurements at the single molecule level under ambient conditions have become almost routine in the past few years. The application of this technology to fundamental studies of heterogeneity in biomolecular structure and dynamics, chemical a