1. Record Nr. UNINA9911019401703321

Titolo	Single molecule detection in solution : methods and applications
Pubbl/distr/stampa	[Place of publication not identified], : Wiley VCH, 2002
ISBN	1-280-55847-4 9786610558476 3-527-60080-9
Descrizione fisica	1 online resource (377 pages)
Disciplina	543/.56
Soggetti	Fluorescence spectroscopy Raman spectroscopy Molecules Solution (Chemistry) Analytical Chemistry Chemistry Physical Sciences & Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	The detection of single molecules opens up new horizons in analytical chemistry, biology and medicine. This discipline, which belongs to the expanding field of nanoscience, has been rapidly emerging over the last ten years. This handbook provides a thorough overview of the field. It begins with basics of single molecule detection in solution, describes methods and devices (fluorescense correlation spectroscopy, surface enhanced Raman scattering, sensors, especially dyes, screening techniques, especially confocal laser scanning microscopy). In the second part, various applications in life sciences and medicine provide the latest research results. This modern handbook is a highly accessible reference for a broad community from advanced researchers, specialists and company professionals in physics, spectroscopy, biotechnology, analytical chemistry, and medicine. Written by leading authorities in the field, it is timely and fills a gap -

		up to now there exists no handbook concerning this theme.

2.	Record Nr.	UNINA9910337920303321
	Titolo	Hurricane Risk / / edited by Jennifer M. Collins, Kevin Walsh
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
	ISBN	3-030-02402-4
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (XII, 260 p. 86 illus., 68 illus. in color.)
	Collana	Hurricane Risk, , 2662-3072 ; ; 1
	Disciplina	577.27 551.552
	Soggetti	Environment Climatology Atmospheric science Natural disasters Physical geography Environmental Sciences Climate Sciences Atmospheric Science Natural Hazards Earth System Sciences
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction -- 1. Global and Regional variability of Tropical Cyclone-induced thermocline Warming -- 2. How has the expansion of the Tropics affected Tropical Cyclogensis? -- 3. Current and Future Cyclone Activity in High-resolution Global Model Ensemble Simulations -- 4. Tropical Cyclone Rainfall Changes in a Warmer Climate -- 5. Forecasting Catastrophe Losses in a Changing Climate -- Conclusions. .
	Sommario/riassunto	This book details the outcomes of new research focusing on climate risk related to hurricanes. Topics include numerical simulation of

tropical cyclones, through tropical cyclone hazard estimation to damage estimates and their implications for commercial risk. Inspired by the 6th International Summit on Hurricanes and Climate Change: From Hazard to Impact, this book brings together leading international academics and researchers, and provides a source reference for both risk managers and climate scientists for research on the interface between tropical cyclones, climate and risk. .