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Titolo	Water availability [[electronic resource]] : the connection between water use and quality / / by Robert M. Hirsch ... [and others]
Pubbl/distr/stampa	[Reston, Va.] : , : U.S. Dept. of the Interior, U.S. Geological Survey, , [2008]
Descrizione fisica	4 unnumbered pages : digital, PDF file
Collana	Fact sheet ; ; 2008-3015
Altri autori (Persone)	HirschRobert M
Soggetti	Water - Pollution - United States Water resources development - Environmental aspects - United States Water quality - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on July 14, 2008). "March 2008."
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Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2009
ISBN	0-19-770042-X 0-19-028778-0 1-281-98697-6 9786611986971 0-19-972229-3
Descrizione fisica	1 online resource (435 p.)
Altri autori (Persone)	FujimotoJames G FarkasDaniel L
Disciplina	616.07 616.07/54 616.0754
Soggetti	Imaging systems in medicine Diagnostic imaging
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Contributors; 1. Confocal Microscopy; 2. Spectral Optical Imaging in Biology and Medicine; 3. Multiphoton Microscopy in Neuroscience; 4. Messenger RNA Imaging in Living Cells for Biomedical Research; 5. Building New Fluorescent Probes; 6. Imaging Membrane Potential with Voltage-Sensitive Dyes; 7. Biomedical Imaging Using Optical Coherence Tomography; 8. Two-Photon Fluorescence Correlation Spectroscopy; 9. Nanoscopy: The Future of Optical Microscopy; 10. Fluorescence Imaging in Medical Diagnostics; 11. Fluorescence and Spectroscopic Markers of Cervical Neoplasia 12. Quantitative Absorption and Scattering Spectra in Thick Tissues Using Broadband Diffuse Optical Spectroscopy13. Detection of Brain Activity by Near-Infrared Light; 14. In Vivo Optical Imaging of Molecular Function Using Near-Infrared Fluorescent Probes; 15. Revealing the Subtleties of Disease and the Nuances of the Therapeutic Response with Optical Reporter Genes; Index

Sommario/riassunto

Biomedical optical imaging is a rapidly emerging research area with widespread fundamental research and clinical applications. This book gives an overview of biomedical optical imaging with contributions from leading international research groups who have pioneered many of these techniques and applications. A unique research field spanning the microscopic to the macroscopic, biomedical optical imaging allows both structural and functional imaging. Techniques such as confocal and multiphoton microscopy provide cellular level resolution imaging in biological systems. The integration of this tech