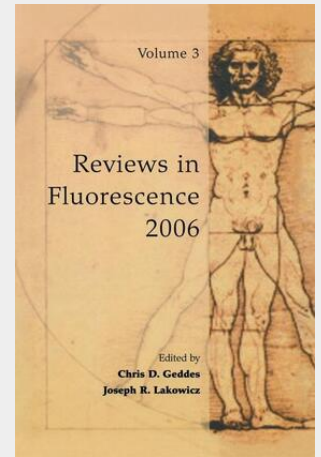


Reviews in Fluorescence 2006

This is the third volume in the Reviews in Fluorescence series. To date, two volumes have been both published and well received by the scientific community. Several book reviews have also favorably described the series as an "excellent compilation of material which is well balanced from authors in both the US and Europe". Of particular mention we note the recent book review in JACS by Gary Baker, Los Alamos. In this 3rd volume we continue the tradition of publishing leading edge and timely articles from authors around the world. We hope you find this volume as useful as past volumes, which promises to be just as diverse with regard to content. Finally, in closing, we would like to thank Dr Kadir Asian for the typesetting of the entire volume and our counterparts at Springer, New York, for its timely publication. Professor Chris D. Geddes Professor Joseph R. Lakowicz August 20th 2005.

Reviews in Fluorescence 2006, the third volume of a new book serial from Springer, serves as a comprehensive collection of current trends and emerging hot topics in the field of fluorescence. It summarizes the year's progress in fluorescence, with authoritative analytical reviews specialized enough to be attractive to professional researchers, yet also appealing to the wider audience of scientists in related disciplines of fluorescence. Reviews in Fluorescence offers an essential reference material for any lab working in the fluorescence field. All academics, bench scientists, and industry professionals wishing to take advantage of the latest and greatest in the continuously emerging field of fluorescence will find it an invaluable resource. Key features: - Comprehensive coverage of the year's hottest topics - Chapters authored by known leading figures in the fluorescence field - Accessible utility in a single volume reference - New volume publishes annually - Each Reviews in Fluorescence volume will be citable (ISI) and indexed Reviews in Fluorescence 2006 topics include: - The History of FRET - Prediction of tissue damage using fluorescence spectroscopy - The Detection of Biological Thiols - Fluorescent Bronchoscopy - Quantum dots as labels in imaging - Total internal reflection-fluorescence correlation spectroscopy - Time-resolved fluorescence anisotropy to follow sol-gel growth and dynamics - Measurement of free Zinc in cells - Green fluorescent protein biosensors About the Editors: Chris D. Geddes is a Professor of Fluorescence, Director of the Institute of Fluorescence and Associate Director of the Center for Fluorescence Spectroscopy at the University of Maryland Biotechnology Institute, Medical Biotechnology Center, Baltimore. He has a B.Sc. from Lancaster University, UK and a Ph.D. in physical chemistry (fluorescence spectroscopy) from the University of Wales Swansea, UK. He is the Editor-in-chief of the Journal of Fluorescence, Plasmonics, Who's Who in Fluorescence, Reviews in Plasmonics, Reviews in Fluorescence, Co-Editor of the popular series Topics in Fluorescence Spectroscopy, as well as Executive Director of the Society of Fluorescence. Dr Geddes has published over 110 scientific articles, papers, review articles and book chapters, as well as 10 books on the principles and applications of fluorescence. Current interests in Dr Geddes's laboratories include the development of analyte sensing contact lenses for clinical assessment, as well as the development and understanding of a new near field concept entitled, Metal-Enhanced Fluorescence. Joseph R. Lakowicz is Professor of Biochemistry at the University of Maryland School of Medicine, Baltimore and Director of the Center for Fluorescence Spectroscopy. Dr. Lakowicz has published over 400 scientific articles, has edited numerous books, holds 16 issued patents, and is the sole author of the widely used text, Principles of Fluorescence Spectroscopy, also published by Kluwer Academic/Plenum Publishers, now in its 2nd Edition.



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