Surface Plasmon Enhanced, Coupled and Controlled Fluorescence

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E-Book
978-1-119-32482-9
March 2017
$162.99

Hardcover
978-1-118-02793-6
April 2017
$202.75

O-Book
978-1-119-32516-1
March 2017
Available on Wiley Online Library

**DESCRIPTION**

Explains the principles and current thinking behind plasmon enhanced Fluorescence

- Describes the current developments in Surface Plasmon Enhanced, Coupled and Controlled Fluorescence
- Details methods used to understand solar energy conversion, detect and quantify DNA more quickly and accurately, and enhance the timeliness and accuracy of digital immunoassays
- Contains contributions by the world’s leading scientists in the area of fluorescence and plasmonics
- Describes detailed experimental procedures for developing both surfaces and nanoparticles for applications in metal-enhanced fluorescence

**ABOUT THE AUTHOR**

**Chris D. Geddes, PhD, FRSC**, is a professor at the University of Maryland, Baltimore County, USA, where he is the director of the Institute of Fluorescence, and the editor-in-chief of both the Journal of Fluorescence and the Plasmonics journal. With more than 250 papers, 35 books, and >100 patents to his credit, he has extensive expertise in fluorescence spectroscopy, particularly in fluorescence sensing and metal–fluorophore interactions.