



Fluorescent Switches, Sensors, and Nanostructures

By Ping Yan

VDM Verlag Dr. Müller E.K. Nov 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x11 mm. Neuware - Over the last few years, the field of nanotechnology has shaped up to be the next big thing, with many potential applications such as switches, sensors, and single-molecule devices. Compared to the vast literature covering inorganic semiconductor nanomaterials, little is available on organic nanostructures and molecular devices. Perylene diimides are a group of organic compounds well known for their high fluorescence quantum yield, high photostability, and high charge carrier mobilities. This book, therefore, provides a safari to the young and promising field of nano- and molecular device research field built on perylene diimides. Four distinctly different topics are covered: fluorescent redox switch; self-organization of nanostructure; single-molecule device; conformational switch. This book should be especially useful to professionals in self-assembly, biosensor, and single-molecule spectroscopy research fields, or anyone else who may be interested in utilizing nano- and molecular devices and borrowing the design principles for their own research. 176 pp. Deutsch.



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Reviews

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

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This kind of book is every little thing and taught me to looking ahead of time and a lot more. I am quite late in start reading this one, but better then never. I found out this book from my dad and i encouraged this pdf to find out.

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