



Applications of Electrochemistry and Nanotechnology in Biology and Medicine II

By Noam Eliaz

Springer-Verlag GmbH Dez 2011, 2011. Buch. Book Condition: Neu. 215x139x25 mm. Neuware - Topics in Number 53 include: Fundamental studies of electron tunneling between electrodes and proteins Preparation and characterisation of electron-transfer catalysts and modified electrode surfaces directed to eventual application as biomolecular electrochemical detection platforms and devices Electron transfer kinetics at oxide films on metallic biomaterials How adsorption of organic molecules and ions depends on surface crystallography of the metal electrode Studying and modifying biomaterial surfaces with high resolution using the scanning electrochemical microscope Electrochemical method for high-throughput screening of enzymatic activity From reviews of previous volumes: This long-standing series continues its tradition of offering high quality reviews of established and emerging subject areas, together with the less common aspects of electrochemical science. [and]. deserves a place in electrochemistry libraries and should prove useful to electrochemists and related workers. Chemistry and Industry Extremely well-referenced and very readable. Maintains the overall high standards of the series. Journal of the American Chemical Society 338 pp. Englisch.

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