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and Sehun Kim -- Ab initio molecular dynamics studies of conjugated dienes on semiconductor surfaces / Mark E. Tuckerman and Yanli Zhang -- Formation of organic nanostructures on semiconductor surfaces / Zakir Hossain and Maki Kawai -- Formation of organic monolayers through wet chemistry / Damien Aureau and Yves J. Chabal -- Chemical stability of organic monolayers formed in solution / Leslie E. O'Leary, Erik Johansson, and Nathan S. Lewis -- Immobilization of biomolecules at semiconductor interfaces / Robert J. Hamers -- Perspective and challenge / Franklin (Feng) Tao and Steven L. Bernasek.

Sommario/riassunto

"This book presents both fundamental knowledge and latest achievements of this rapidly growing field in the last decade. It presents a complete and concise picture of the state-of-the-art in the field, encompassing the most active international research groups in the world"--
