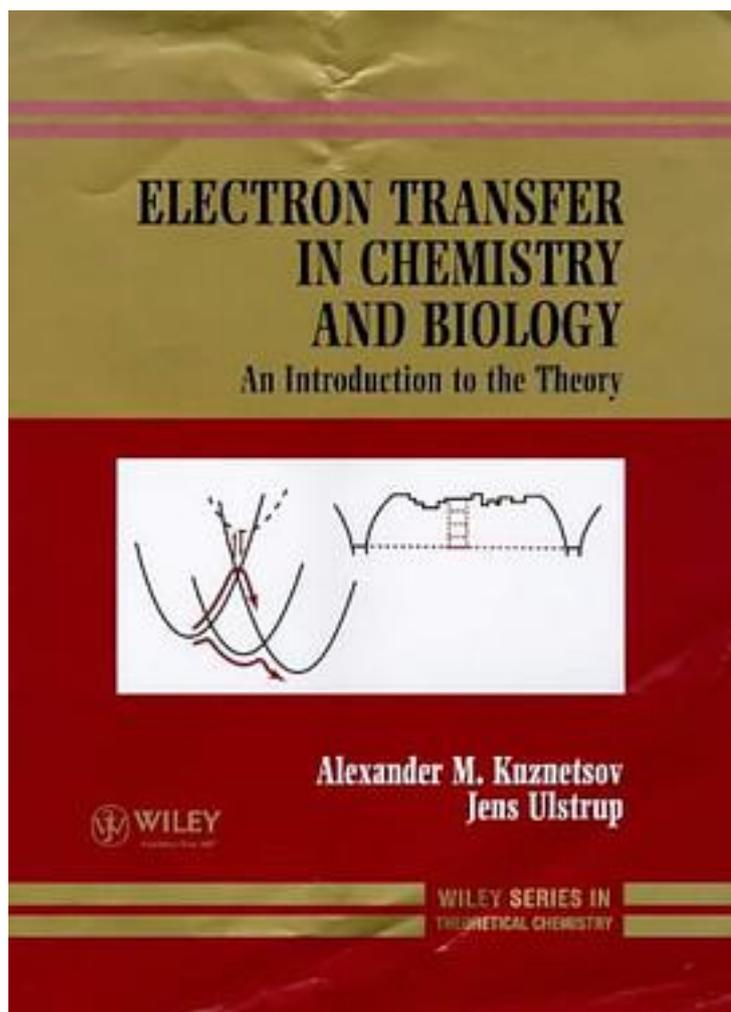


Electron Transfer in Chemistry and Biology



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出版者:Wiley

出版时间:1999-02-02

装帧:Hardcover

isbn:9780471967491

Electron Transfer in Chemistry and Biology An Introduction to the Theory Alexander M.

Kuznetsov Russian Academy of Sciences, Moscow, Russia Jens Ulstrup Technical University of Denmark, Lyngby, Denmark Electron transfer is perhaps the single most important physical event in chemical, electrochemical, photochemical, biochemical, and biophysical processes. The focus and ubiquity of electron transfer is intriguing and exciting but a coherent and comprehensive approach to this topic is at the same time a challenge. *Electron Transfer in Chemistry and Biology* provides a thorough and didactic approach to the theoretical basis of electron transfer phenomena. Not only does it offer a full introduction to this area and a discussion of its historical development, it also gives detailed explanations of difficult issues, for example, long-range electron transfers, stochastic and dynamic processes, and biological features. A wide variety of readers will find this volume of great interest, ranging from final year undergraduate students, postgraduate students and university lecturers, to research staff in numerous fields including medical companies, electronics industry, catalysis research and development, chemical industry and some hospitals.

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