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TRANSFER TUBES; COPPER PROTEINS AS MODEL SYSTEMS FOR INVESTIGATING INTRAMOLECULAR ELECTRON TRANSFER PROCESSES; APPLYING MARCUS'S THEORY TO ELECTRON TRANSFER IN VIVO; SOLVENT-FLUCTUATION CONTROL OF SOLUTION REACTIONS AND ITS MANIFESTATION IN PROTEIN FUNCTIONS; EXPERIMENTAL ELECTRON TRANSFER KINETICS IN A DNA ENVIRONMENT; AUTHOR INDEX; SUBJECT INDEX

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Sommario/riassunto

an integrated approach to electron transfer phenomena This two-part stand-alone volume in the prestigious Advances in Chemical Physics series provides the most comprehensive overview of electron transfer science today. It draws on cutting-edge research from diverse areas of chemistry, physics, and biology-covering the most recent developments in the field, and pointing to important future trends. This second volume offers the following sections: \* Solvent control, including ultrafast solvation dynamics and related topics \* Ultrafast electron transfer and coherence effects \* Mol

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