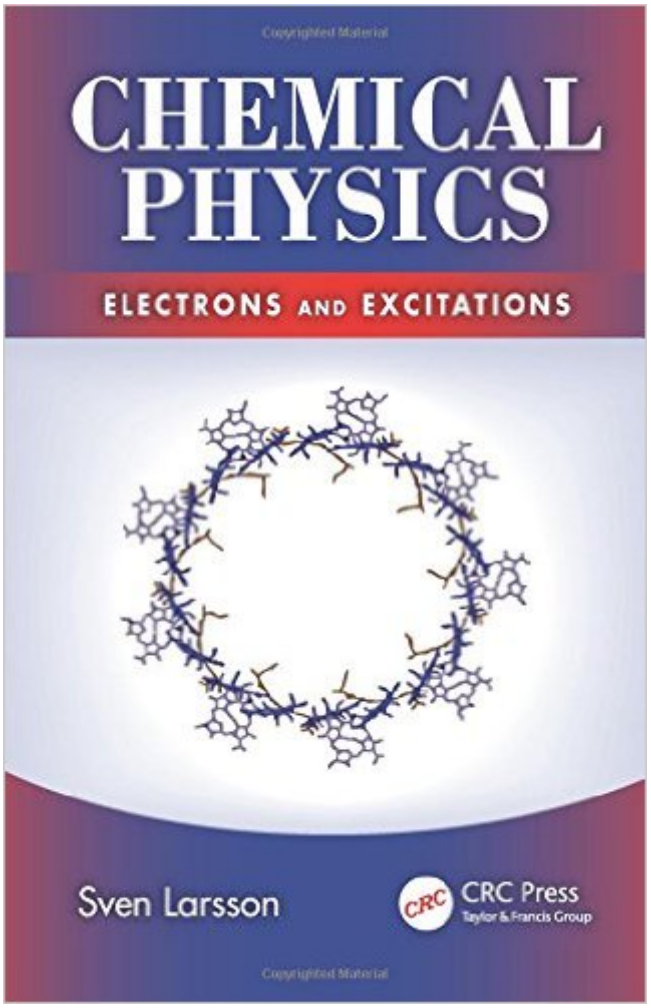
Chemical Physics: Electrons And Excitations



Synopsis

A full understanding of modern chemistry is impossible without quantum theory. Since the advent of quantum mechanics in 1925, a number of chemical phenomena have been explained, such as electron transfer, excitation energy transfer, and other phenomena in photochemistry and photo-physics. Chemical bonds can now be accurately calculated with the help of a personal computer. Addressing students of theoretical and quantum chemistry and their counterparts in physics, Chemical Physics: Electrons and Excitations introduces chemical physics as a gateway to fields such as photo physics, solid-state physics, and electrochemistry. Offering relevant background in theory and applications, it covers the foundations of quantum mechanics and molecular structure, as well as more specialized topics such as transfer reactions and photochemistry.

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