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4.1.3 Evolution of Dissolution and Selective Dissolution Mechanisms

Sommario/riassunto

Presents opportunities for making significant improvements in preventing harmful effects that can be caused by corrosion Describes concepts of molecular modeling in the context of materials corrosion Includes recent examples of applications of molecular modeling to corrosion phenomena throughout the text Details how molecular modeling can give insights into the multitude of interconnected and complex processes that comprise the corrosion of metals Covered applications include diffusion and electron transfer at metal/electrolyte interfaces, Monte Carlo simulations of corrosion, corrosion inh