



Electrochemistry Volume 1; Theoretical Electrochemistry and Its Physico-Chemical Foundations (Paperback)

By Heinrich Danneel

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1907 Excerpt: .receipts. For instance, the dissociation of a normal solution of acetic acid is 0.4 , but this is reduced to 0.0018 if a gram equivalent of sodium acetate is added to the solution. Since the strength of the acid, or the intensity with which it takes part in reactions or accelerates them (cf. the inversion of sugar, p. 98) is determined by the concentration of the H ions, it is evident that acetic acid is very much weakened by the addition of CHCOONa . The same is true of other acids and bases. For instance, the precipitation of ZnS by H_2S is prevented by the addition of acid, for the H-ions of the acid cause a great decrease in the dissociation of the H_2S with a consequent decrease in the number of S ions. For the same reasons the precipitation of $\text{Mg}(\text{OH})_2$ by NH_4OH is prevented by...



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