



The Interface Structure and Electrochemical Processes at the Boundary Between Two Immiscible Liquids

By -

Springer. Paperback. Book Condition: New. Paperback. 246 pages. Dimensions: 9.6in. x 6.7in. x 0.7in. Studies on the electrochemical processes at the interface between two immiscible liquids began a long time ago: they date back to the end of the last century. Such celebrated scientists as Nemst and Haber, and also young A. N. Frumkin were among those who originated this science. Later A. N. Frumkin went a long way in furthering the studies at the Institute of Electrochemistry. The theory of the appearance of potential in a system of two immiscible electrolytes was developed and experimentally verified before the beginning of the thirties. In later years the studies in this area considerably lagged behind those conducted at metal electrodes which were widely used in different industries. In the past 15 years, however, the situation has radically changed and we have witnessed a drastic increase in the number of publications on the electrochemistry of immiscible electrolytes. We are glad to note that the investigations show not only a quantitative but also a qualitative change. The theoretical works on the oilwater interface test not only the thermodynamic aspects of the inter face but also recreate the molecular picture of the process. Along...



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