

Hydrogen Ion Concentration Michaelis Leonor Williams

the effect of hydrogen ion concentration - the effect of hydrogen ion concentration upon the determination of calcium. by alfred t. shohl. (from the department of chemical hygiene, school of hygiene and public **the influence of hydrogen ion concentration on the myosin ...** - the influence of hydrogen ion concentration on the myosin-catalyzed hydrolysis of adenosine triphosphate¹ the michaelis constants for the system myosin-atp have been measured at 5° c and **the hydrogen ion concentration of the** - the hydrogen ion concentration of the intestinal contents. by seizaburo okada and minoru arai. (from the medical clinic, imperial university of tokyo, tokyo, japan.) **the hydrogen-ion concentration of natural waters, i. the ...** - altering the hydrogen-ion concentration of the medium in which the reaction is taking place, but these changes are nearly always greatly in excess of the natural changes occurring in the normal environment. **die kinetik der invertinwirkung** - ion concentration, the second the mutarotation of the sugar(s). the influence of the hydrogen ion concentration has been clearly demonstrated by the work of s. f. j. jensen (8) and of michaelis and davidsohn (9). **the hydrogen ion concentration of the blood - jbc** - the hydrogen ion concentration of the blood in carcinoma. i. from the colorimetric determination of the blood dialysate. by william h. chambers. **hydrogen ion determination - journals.uchicago** - current literature book reviews hydrogen ion determination hydrogen ion determinations are of ever increasing interest and importance to investigators in physiological and other fields of botany. **the effect of temperature and ph on enzyme - springer** - the effect of temperature and ph on enzyme activity a. effect of ph on enzyme kinetics * it has long been recognized that enzyme catalysis is markedly influenced by alterations in the hydrogen ion concentration. michaelis and davidsohn (1) in 1911 attempted to explain the ... **exchange for sodium and hydrogen ions - researchgate** - exponential with time and obey michaelis kinetics as functions of [k]_o. the ... potassium concentration of neurospora ... h + measurements in order to determine the amount of hydrogen ion released **new hydrogen electrodes and rapid methods of determining ...** - since the electrodes which michaelis designed for rapid i ostwald-luther : physiko-chemischer messungen, 3d ed. 1910, leipzig. 180 . determination of hydrogen ion concentration 181 work require thirty minutes for saturation² a considerable saving of time is thus accomplished by simply using narrow strips of thin foil instead of the wire that he used. the chief difficulty in determining the h⁺ ... **hydrogen ion dependence of carrier-mediated auxin uptake ...** - planta 142, 203 206 (1978) planta 9 by springer-verlag 1978 hydrogen ion dependence of carrier-mediated auxin uptake by suspension-cultured crown gall cells **leonor michaelis 1875-1949 - national academy of sciences** - leonor michaelis, d. a. macinnes and s. granick biographical memoir c ... order to measure the hydrogen ion concentration. it was shown that the effect of an enzyme such as invertase, trypsin, etc. depends on the concentration of the hydrogen ions, and not on the titration acidity. just when this work was coming to a conclusion, the paper by sorensen on the same subject was published. however ... **the henderson-hasselbalch equation: its history and ...** - position of a buffer, its buffering capacity, and the hydrogen ion concentration had not yet been appreciated. in 1908, one year before the word "puffer" in german was first introduced into chemical lexicon, henderson published two papers in the american journal of physiology and in them put forward a simple formula linking [h⁺] and the composition of a buffer (2, 3): states in 1926 ... **a comparison between the colorimetric and the ...** - (2) the hydrogen ion concentration of blood has been determined by the hydrogen electrode and by the dialysis method of dale and evans between the limits of 20mmd80mm. **studies on the hydrogen-ion concentration in** - of measuring the hydrogen-ion concentration by means of the gas chain; and since the technique used was essentially that already published in detail by michaelis (8) no further description need be given here.

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