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• 对某一科学领域进行全面、客观的评述

- 提供这一学科系统的、周期性的最新研究状况,不仅 总结,还找出错误来引起讨论,形成新的研究;
 - 已经找到了这一领域最重要的文献,这比任何搜索 引擎更有效。
 - 从综述文献开始,是科研的最高起点……



又南

综述文献如何产生

各领域杰出的专家对某一领域大量的、快速增长的研究资料进行严格地评论、总结和筛选而成。

• 益处: 指引研究人员进入最重要的文献, 节省时间和精力。





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J.Murray Luck

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- 所有期刊影响因子均在各自学科排名前10,其中13本位列第1。



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spent many hours in Mel Santer respirometer, which was a pain. radioisotopically labeled compound measured absorption spectra, and lea and my classmate Norman Klinem n (1). h grants, and senior ing the senior year. I

ory setting up experiments on a Warburg , we also grew cells, did experiments with ed paper and column chromate graphy, d most of the other transques used in a stateof-the-art biochemistry laboratory of the era. As a result, my first scientific publication is on the intermediary metabolism of more anus thioparus with my mentor Mel Santer

In the summer of 1958, Mel Santer sent me to the laboratory of Britton Chance at the University of Pennsylvania to determine whether pyrimidine nucleotide is involved in This discussion is not intended as a general review but is concerned with respirationdependent active transport in membrane vesicles from Escherichia coli. Emphasis is placed on experimental observations demonstrating that respiratory energy is converted. primarily into work in the form of a solute concentration gradient that is driven by a proton electrochemical gradient, as postulated by the chemiosmotic theory of Peter

driving forces that got me into science was to prove that you could be a football player

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