

The Significant and Profound Impacts of Chou's "wenxiang" Diagram

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Abstract

In this short review paper, the significant and profound impacts of the Chou's "wenxiang diagram" have been briefly presented with crystal clear convincingness.

Keywords

Wenxiang Diagram, Significant Impacts, Profound Impacts

The Chou's wenxiang diagram, named after Kuo-Chen Chou [1] [2].

Because the wenxiang diagram is generated by a conical projection of a helix onto a plane, with the start (N-terminus) of the helix at the edge and the end toward the center, the location of each residue in a helix is not only defined by an angle around the diagram's center, but is also defined by its radius from the center of the diagram in the number of turns, which corresponds to its distance along the helix, in the number of turns. Therefore, in principle, the wenxiang diagram can be used to represent an alpha-helix of any length.

The impacts of the "wenxiang diagram" are significant and profound (see, e.g., [3]-[12]).

Conflicts of Interest

The author declares no conflicts of interest regarding the publication of this paper.

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