

旗舰型离子色谱



郭长娟 广州市天河区五山科华街511号中科院广州地球化学研究所 510640
黄正旭 中国科学院广州地球化学研究所 510640
陈华勇 中国科学院广州地球化学研究所 510640
等

摘要：本文介绍飞行时间质谱仪的发展历史，对近二十年来国内飞行时间质谱仪的研制状况做较全面的概述。最后结合国内情况，介绍飞行时间质谱仪为适应不同应用领域研究对象的需要，目前主要的两个发展方向，一个是发展超高分辨、高灵敏度的高档仪器，另一个是发展小型台式仪器。

关键词：飞行时间质谱仪, 质量分析器, 直线式, 反射式, 垂直引入

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The develoment and status of domestic time of flight mass spectrometer

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Abstract: This paper briefly introduces the principle and the development history of Time of Flight Mass Spectrometer, and entirely summarizes the status of internal researches on devising Time of Flight Mass Spectrometer in the recent 20 years. At last unifies the domestic situation, in order to meet different requirements, the development of Time of Flight Mass Spectrometer is mainly in two directions. One is to develop highly sensitive and sophiscated instruments with superhigh resolving power, the other is to develop compact benchtop instruments.

Key words: Time of flight mass spectrometer, Mass analyzer, Linear, Reflecting, Orthogonal injection

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