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摘要：能量色散X射线荧光光谱分析以其快速、对试样无损、可以同时测定多种元素等优点，在许多领域中发挥巨大的作用。本文介绍能量色散X射线荧光光谱仪的原理和构造，并就目前仪器的研究现状和应用现状做介绍，指出X射线荧光分析技术的良好前景及进一步研究该仪器的必要性。

关键词：光谱分析,能量色散X射线荧光光谱仪,X射线荧光,分析技术

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### The present status of energy dispersive x-ray fluorescence spectrometry

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Abstract: Energy dispersive X-ray fluorescence spectral analysis takes an important role in many fields with providing celerity, no harm to samples and multi-elements testing simultaneously. Both principle and construct of energy dispersive X-ray fluorescence spectrometry are introduced in this paper. This paper also discusses research and application status at present of the instrument and indicates bright prospects of XRF and necessity to study it further.

Key words: Spectral analysis, Energy dispersive X-ray fluorescence spectrometry, X-ray fluorescence, Analysis technology

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