

“创刊30周年”专栏

碰撞/反应池ICP-MS性能及应用进展

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摘要 对碰撞/反应池ICP-MS的性能及应用进展进行了综述。碰撞/反应池是目前四极杆ICP-MS首推的,最有效的消除多原子干扰的技术,近年来已经在痕量超痕量多元素分析、形态分析和同位素比值分析中得到很好的应用。预期在今后将继续发挥作用,并扩大其应用范围。

关键词 [碰撞/反应池](#) [ICP-MS](#) [性能](#) [应用](#)

分类号

The Performance and Application on the Collision/Reaction Cell ICP-MS

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Abstract

The performance of collision/reaction cell ICP-MS and its application progress were briefly reviewed. The collision/reaction cell technology was widely accepted as the most effective way to minimize or eliminate polyatomic interferences in ICP-MS. The technology was applied to trace and ultra-trace element analysis, speciation and isotope ratio analysis. It is expected to continue to play a role in the future, and will expand its scope of application.

Key words

[collision/reaction cell\(CRC\)](#) [ICP-MS](#) [performance](#) [application](#)[collision/reaction cell \(CRC\)](#) [ICP-MS](#) [performance](#) [application](#)

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