

## *Biomedical Applications Of Microprobe Analysis*







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1. Introduction. In laser induced breakdown spectroscopy (LIBS), a single laser shot occurs at the sample surface, producing a plasma whose light emissions are collected and analyzed using an optical spectrometer [ , , , ]. Since this technique was first used for spectrochemical analysis of surfaces in 1962 [6,7], the LIBS technique and its applications have advanced tremendously.

## Review of the recent advances and applications of LIBS ...

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Isotope-ratio mass spectrometry (IRMS) is a specialization of mass spectrometry, in which mass spectrometric methods are used to measure the relative abundance of isotopes in a given sample.. This technique has two different applications in the earth and environmental sciences. The analysis of 'stable isotopes' is normally concerned with measuring isotopic variations arising from mass ...

## Isotope-ratio mass spectrometry - Wikipedia

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1. Introduction1.1. Early development of Fe-based MGs. Traditional Fe-based MGs are usually formed as ribbons, powders or wires, and they can be prepared by chilling metallic liquids at a critical cooling rate above 10<sup>6</sup> K/s. The introduction of the first Fe-based MG dates back to 1967 when amorphous Fe-P-C alloys were invented by Duwez and his co-workers .

## Fe-based bulk metallic glasses: Glass formation ...

Avizo (pronounce: 'a-VEE-zo') is a general-purpose commercial software application for scientific and industrial data visualization and analysis.. Avizo is developed by FEI Visualization Sciences Group and was originally designed and developed by the Visualization and Data Analysis Group at Zuse Institute Berlin (ZIB) under the name Amira.Avizo was commercially released in November 2007.

## Avizo (software) - Wikipedia

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