

POF Active Spectrometer





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Q Exactive HF-X Hybrid Quadrupole-Orbitrap Mass Spectrometer Support

Q Exactive HF-X Hybrid Quadrupole-Orbitrap Mass Spectrometer Support Explore our "Getting Started" and "Troubleshooting" sections for solutions to top inquiries and common problems. Browse through

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Towards the development of cascaded surface plasmon resonance POF

Abstract The possibility of developing a multichannel optical chemical sensor, based on molecularly imprinted polymers (MIPs) and surface plasmon resonance (SPR) in a D-shaped

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A Complete Optical Sensor System Based on a POF-SPR Platform

Here, the first example of the POF-SPR biosensor with a flow cell system for selective detection of a specific biological target (analyte) is presented.

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Development of a single sphere neutron spectrometer using ^{252}Cf -Al

Irradiating each sphere one by one is tedious and consumes a lot of time. Therefore, a new design has been attempted by developing a multi-shell single sphere moderating assembly. In



The Q Exactive HF, a Benchtop Mass Spectrometer with a Pre-filter,

The quadrupole Orbitrap mass spectrometer (Q Exactive) made a powerful proteomics instrument available in a benchtop format. It significantly boosted the number of proteins analyzable per hour

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Alpha Particle X-Ray Spectrometer (APXS) On-board Chandrayaan-2

Abstract Alpha Particle X-ray Spectrometer (APXS) is one of the two scientific experiments on Chandrayaan-2 rover named as Pragyan. The primary scientific objective of APXS is to determine

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Compact Spectrometer Design as WDM- Element in POF

Alle Studiengänge Brotkrumennavigation Start Projekte und Publikationen Compact Spectrometer Design as WDM-Element in POF-Communication Journalartikel Wissenschaftlicher Artikel

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Side-Polish Plastic Optical Fiber Based SPR Sensor for Refractive

In this work, a simple side-polish plastic optical fiber (POF)-based surface plasmon resonance (SPR) sensor is proposed and demonstrated for simultaneous measurement of refractive index (RI) and

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Simulation of a Rowland spectrometer for optical communication over POF

It contains a presentation of different measuring methods for POF with a list of current standards and an overview of active and passive components for POF systems with a

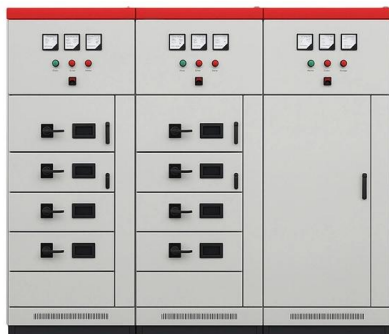
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A review on simple and highly sensitive plastic optical fiber probes

POF-based sensor probes can be effectively combined with chemical and biological receptors, for example as a substitute for complex optical selective sensors, with the advantages of

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Recent advances in porous organic framework-based aptasensors for

To date, a good number of reviews have addressed the synthesis of POF-based sensors and biosensors and their potential applications. However, none of them have focused on the recent

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(PDF) A scintillating fiber imaging spectrometer for active

To address this, we present a compact scintillating fiber imaging spectrometer based on the tomographic reconstruction of proton energy deposition in a layered fiber array.

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Side-Polish Plastic Optical Fiber Based SPR Sensor for

In this paper, a simple POF-based SPR sensor is proposed for simultaneous measurement of RI and liquid level. The sensor probe comprises a

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Q Exactive Orbitrap Mass Spectrometers (MS)

Go from compound discovery to quantitation without relying on different instruments and technologies with a HRAM Q Exactive hybrid quadrupole orbitrap mass

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An active Bonner sphere spectrometer for intense neutron fields

Active (or direct-reading) detectors used for detecting thermal neutrons in BSS may be largely disturbed when used in intense neutron fields, possibly accompanied by intense

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An active Bonner sphere spectrometer



capable of

A Bonner sphere spectrometer (BSS) was developed compensating for the lack of active BSSs for intense neutron field characterization. The

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Simulation of an Rowland spectrometer for optical communication

Fig. 1 Principle and attenuation of POF in the visible range or these reasons, POF is already applied in various applications sectors. Two of these fields are described in

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Thermo Scientific Q Exactive Plus Orbitrap LC-MS/MS System

The Thermo Scientific™ Q Exactive™ Plus benchtop LC-MS/MS combines high-performance quadrupole precursor selection with high-resolution, accurate-mass (HR/AM) Orbitrap™ detection to

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Optical-fibre-based SPR sensors (SPR-POF)

The surface plasmon resonance polymer optical fiber (SPR-POF) technology can be used for remote sensing and can be developed as a small-sized portable assay platform.

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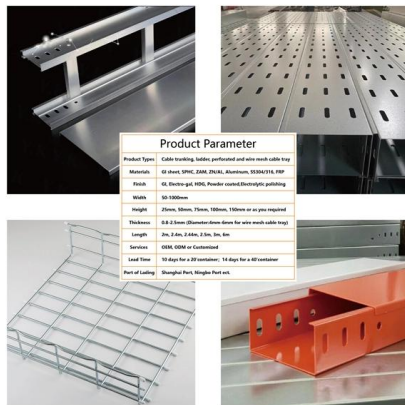




A scintillating fiber imaging spectrometer for active characterization

Home > Publications database > A scintillating fiber imaging spectrometer for active characterization of laser-driven proton beams
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Advances in plastic optical fiber bio/chemical sensors to realize point

The recalled POF bio/chemical sensors can be monitored by simple and low-cost configurations, such as a white light source and spectrometer or LEDs and photodetectors.

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Q Exactive HF-X Hybrid Quadrupole-Orbitrap Mass Spectrometer Support

Q Exactive HF-X Hybrid Quadrupole-Orbitrap Mass Spectrometer Support - Getting Started
Find valuable information. Optimize your experiments to get the best results. We've compiled a detailed

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Compact Numerical Aperture 0.5 Fiber Optic

The numerical aperture of the spectrometer is crucial for weak signal detection. The transmission lens-based configuration has more optimization

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Independent emission spectra of different fluorescent dyes based

Develop a sensitive, quasi-distributed polymer optical fiber sensor using Surface Plasmon Resonance (SPR) technology. Distinct emission peaks of Ag/PtOEP, Ag/PdTFPP and Ag/ [Ru (dpp)

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Q Exactive HF Hybrid Quadrupole-Orbitrap Mass Spectrometer

Q Exactive HF Hybrid Quadrupole-Orbitrap Mass Spectrometer Support - Getting Started Find valuable information. Optimize your experiments to get the best results. We've compiled a detailed knowledge

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The Active Temperature, Ozone and Moisture Microwave Spectrometer

The Active Temperature, Ozone and Moisture Microwave Spectrometer (ATOMMS) is designed to observe Earth's climate. It extends and overcomes several limitations of the GPS radio

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First test of SP2: A novel active neutron spectrometer condensing the

This communication concerns a new spherical spectrometer, called SP², which condenses the functionality of an Extended Range Bonner Sphere Spectrometer (ERBSS) into a

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<https://frindel.es>