

Do spectral detectors perform spectral dispersion

The proposed spectral detector compensates only for the birefringence while holding the dispersion constant. The dispersion can be

The first step is the dispersion of the emitted light spatially into a spectrum, like in a classical spectrometer (1). A prism

Spectral resolution measures its ability to distinguish between very close wavelengths, revealing fine spectral details.

Alongside that check-box are options to choose weights per fluorescence detector and to optimize the weighting used. To utilize

In liquid chromatography, the extra-column volume is the volume between the pump and detector that does not include the column.

Spectral photon-counting CT (SPCCT) is a new, emerging technology in the field of spectral imaging [87, 88]. It makes

How does spectral sensing work? This guide explains the science behind light, sensors, and data processing used in modern

This is the ultimate guide to FFT analysis. Learn what FFT is, how to use it, the equipment needed, and what are some

While coded aperture imaging provides excellent spectral resolution--dictated by the spatial resolution of the grid

FT-IR Spectrometers are often simply referred to as FTIRs. But for the purists, an FT-IR is a method of obtaining infrared spectra by

4.1 Spectral interferences are caused by background emission from continuous or recombination phenomena, stray light from the line

A third class of devices for dispersing spectra are known as interferometers. These instruments divide the light with

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However, the latest developments in spectroscopy can sometimes dispense with the dispersion technique. In biochemical

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Since holographic gratings are produced optically, groove form and spacing are more consistent thus producing a more uniform

Often, the dispersion of peaks with overlap in the recorded spectra is not so obvious,

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