Spectrometer Discovery

Since its inception in 1931, the George R. Harrison Spectroscopy Laboratory at MIT has been a pioneer in spectroscopic research. The mission of the Laboratory has continually evolved to take on new ...

Recent advances have enabled researchers to vaporise - and ionise - some large and relatively fragile organic molecules, and then subject them to mass spectrum analysis, generating ...

The infrared spectrum was discovered by Sir William Herschel in 1800 by placing thermometers beyond the red end of the visible spectrum. Johann Ritter the following year (and independently Wollaston) ...

Over the next 130 years investigators made a series of discoveries leading to the modern understanding of the electromagnetic spectrum. You can think of this spectrum as the "full rainbow" as compared ...

Newton"s prism experiments were pivotal in the discovery of spectroscopy, but the first spectrometer wasn"t created until 1802 when William Hyde Wollaston improved upon Newton"s model.

From its early beginnings in the 19th century to the advanced techniques used today, spectroscopy has revolutionized our understanding of molecular structure, chemical composition, ...

The origin of spectrophotometry dates back to the 17th century when Isaac Newton coined the term "spectrum" to describe the color rainbow that forms white light.

In 1859, Robert Wilhelm Bunsen (1811-1899) and Gustav Robert Kirchhoff (1824-1887) developed the modern version of this instrument called a flame spectroscope, which allowed them to precisely ...

Isaac Newton first applied the word spectrum to describe the rainbow of colors that combine to form white light. During the early 1800s, Joseph von Fraunhofer conducted experiments with dispersive ...

The history of mass spectrometry has its roots in physical and chemical studies regarding the nature of matter. The study of gas discharges in the mid 19th century led to the discovery of anode and ...

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