

Spectrometer Database



Overview

Online Spectral Database: Quick access to millions of NMR, IR, Raman, UV-Vis, and Mass Spectra. * Registered users receive 5 free spectral views to explore SpectraBase. Learn more about our subscription plans here. Copyright © 2026 by John Wiley & Sons, Inc. This is a free site organized by National Institute of Advanced Industrial Science and Technology (AIST), Japan. If you can not access to the Search page, check this FAQ. The service was unavailable around the period 2018. We aim to improve analysis and identification, reduce errors, and increase productivity by providing the high level of quality data required for results you can rely on. At the helm of our collections are the. The NIST Mass Spectrometry Data Center, a Group in the Biomolecular Measurement Division (BMD), develops evaluated mass spectral libraries and provides related software tools. These products are intended to assist compound identification by providing reference mass spectra for GC/MS (by electron. The "UV/Vis + Photochemistry Database" is a non-profit project established in 2000 and is subdivided into a Spectra Service and a Literature Service. University of Wisconsin, USA The files in the Entries section contain predictions for atoms and molecules of astrophysical and atmospheric interest as well as some documentation on which data have been used for the predictions.



Article Content

Mass Spectrometry Data Center, NIST

Mass Spectrometry Data Center - NEW The NIST Mass Spectrometry Data Center, a Group in the Biomolecular Measurement Division (BMD), develops evaluated mass spectral libraries and provides

Mass Spectral Databases

Wiley is a leader in mass spectral data, delivering validated, high-quality collections — including the Wiley Registry, KnowItAll Spectral Library, and NIST — to drive efficiency and accuracy across

Atomic Spectra Database | NIST

This database provides access and search capability for NIST critically evaluated data on atomic energy levels, wavelengths, and transition probabilities that are reasonably up-to-date.

Atomic Spectroscopy Data Center | NIST

The Atomic Spectroscopic Data Center at NIST provides the most comprehensive collection of atomic spectroscopy data in the world. We monitor scientific literature and maintain

Molecular Spectroscopic Data | NIST

This database is an atlas of molecular spectra and associated tables of wavenumbers from heterodyne frequency measurements for the calibration of infrared spectrometers. Five

AIST:Spectral Database for Organic Compounds,SDBS

Welcome to Spectral Database for Organic Compounds, SDBS. This is a free site organized by National Institute of Advanced Industrial Science and Technology (AIST), Japan.

Raman Base

The Ultimate Raman Spectroscopic Database Raman Base is a powerful instrument, built with open and transparent science in mind. If you would like to know

Comprehensive Germany Infrared Band Fiber Optical Spectrometer

The "Germany Infrared Band Fiber Optical Spectrometer market" is anticipated to experience significant growth, with a projected CAGR of 10.1% from 2026 to 2033.

Spectrometer

Spectrometers are used in astronomy to analyze the chemical composition of stars and planets, and spectrometers gather data on the origin of the universe.

science-softCon UV/Vis Spectra Data Base

Search for authors, substances (e.g. carbonyl fluoride or COF) or CAS-numbers (e.g. 50-00-0) Photochemical data (EUV-VUV-UV-Vis-NIR) from published papers. Enhance your electronic

Research Guides: Spectroscopy Data and Information:

Curated data on over 3000 physical and chemical properties of hundreds of thousands of materials and chemical systems (mixtures, alloys, etc).

MassBank of North America

Welcome to MoNA! MassBank of North America (MoNA) is a metadata-centric, auto-curating repository designed for efficient storage and querying of mass spectral records. It intends to

Spectroscopy | NIST

Spectroscopy Atomic Spectroscopy - A Compendium of Basic Ideas, Notation, Data, and Formulas Atomic Spectroscopy Databases Handbook of Basic Atomic

Atomic Spectra Database | NIST

Additional information about the database may be obtained through the following links: Atomic Spectroscopy Intro - Outlines basic atomic physics concepts, explains terminology and

NIST Standard Reference Database 1A

NIST Mass Spectral Libraries, 2026 Edition with Search Program Data Version: NIST26 Software Version: 4.0 This database is the product of an ongoing comprehensive evaluation and

Research Guides: Spectra and Spectral Data: Online Resources

SpectraBase is a free online spectral database compiled by Bio-Rad Laboratories and now owned by Wiley. It contains hundreds of thousands of spectra. Spectral Database for Organic

Spectragryph

Collection of 3087 Raman spectra of minerals, provided by the RRUFF project from University of Arizona. For many mineral species, there are several entries, which

Atomic Spectroscopy Databases | NIST

Atomic Spectra Bibliographic Databases Bibliographic Database on Atomic Transition Probabilities A. Kramida and J.R. Fuhr This interactive database contains references on atomic

Mass Spectrometry Data Center, NIST

We collaborate with many commercial, government and academic entities in an effort to better provide high-quality reference data and software products for mass spectrometrists. This site describes and

Spektren-Datenbanken

Molecular Gasphase Documentation - Molecular Microwave Spectral Databases Three databases of diatomic, triatomic, and hydrocarbon molecules. NIST - Molecular Spectral Databases -

SpectraBase

SpectraBase is an online spectral database from John Wiley & Sons, Inc. - a leader in spectral databases. Users can search millions of spectra, including organic compounds, inorganic

LibGuides: Spectra and Spectral Data: Web Sources

Database of over 40K organic structures and their NMR spectra. It allows for spectrum prediction as well as for searching spectra, structures and other properties.

15 Free Compound Spectrum Databases for Researchers

These databases provide critical information on compound structures, spectra, physical and chemical properties, and more. Here is a detailed look at 16

Spectral Databases

List of online available spectral databases for all kinds of spectroscopic techniques: NMR, IR, UV/VIS, Raman, Atomic, ESR etc.

Spectral Databases

We offer a range of spectral database products covering multiple instruments (IR, MS, NMR, Raman, and UV-Vis) and support over 130 instrument file formats,

SpectroscopyHub

SpectroscopyHub is a platform for posting XPS data, and getting access to data posted by others. It's a great place to host your reference spectra, or post the raw

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