JASON
JEOL Analytical Software Network

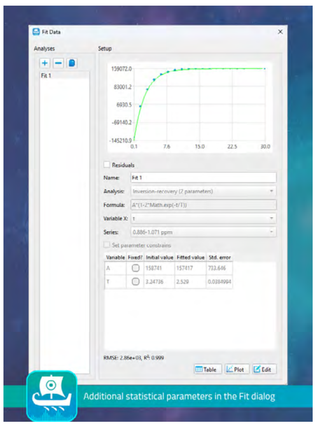
New version: JASON 5.3

- **Expanded functionality for 3D spectra and beyond**
- **Additional statistical parameters in the Fit dialog**
- **New plugin: AffinityScreen for 1D fragment-based ligand screening**
- **Further improvements for NMR assignment**
- **Independent dark/light mode settings for JASON**
- **Accelerated qNMR analysis with SMILEQ**

See how JASON version 5.3 can help you.

Analysis and statistical tools:

- **Additional statistical parameters in the Fit dialog.** The results of fitting now include the correlation coefficient R^2 and root mean standard error (RMSE) of the fit.



- We've added to our peak fitting routines, introducing **a fitting routine which fits heavily overlapped peaks more accurately,** if you can be patient. Try this new, highly accurate routine by using the settings parameter "Max. peaks for fine refinement". The familiar fast fitting routine for peaks in complex 1D NMR spectra, that has been in use since the early days of JASON, remains available.

3D and beyond:

- **Transpose** processing now allows any two dimensions of a 3D spectrum to be transposed.
- **Sum traces** processing function is now available for 3D spectra.

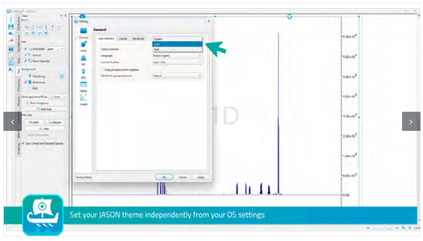
New plugin: AffinityScreen

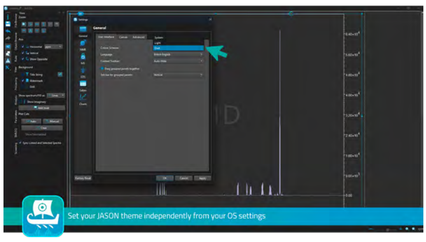
AFFINITY
Screen

- After extensive development we are excited to launch AffinityScreen for beta testing. It simplifies complex 1D analysis and provides unmatched flexibility.
- Our development process is driven by your feedback, so we are first opening the plugin for beta-testing with real-world workflows. If you want to join the A-team of beta-testers, please get in touch!
- Commercial release coming soon!

User experience and GUI enhancements:

- **Do you prefer a different theme (dark or light) in JASON than the OS settings dictates? Now you can set the JASON theme separately.**





- **We have reworked our Print dialog to make it faster and easier to use.** Are you often printing only part of your canvas? Now selecting those items and using a new keyboard shortcut, **Ctrl+Shift+P** (cmd+shift+P on macOS) will make it much faster.

Watch this video on YouTube

- **File Browser now shows titles of NMR spectra** in addition to the file name, for the most common NMR data formats.
- Files and folders in File Browser are now displayed in natural order, helping you keep track of files/folders that include numbers. For example, the File Browser will display "1, 2, 11, 12, 13" instead of the alphabetic order of "1, 11, 12, 13, 2".
- We have further improved on the copying of JASON objects (spectra, molecules, tables...) to/from external applications, like MS Office.

NMR Assignment:

- Improved display of NMR correlations on chemical structures.

Watch this video on YouTube

SMILEQ and qNMR:

- For our users who work with quantitative NMR data, we've further accelerated SMILEQ, our qNMR plugin.

Automation:

- JASON can run faster in headless mode using an "offscreen" graphics engine.

We also performance-tuned our software and fixed a few bugs.

TRY IT NOW!

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SMILEQ
Spectral Management Interface
Launching Engine for Q-NMR