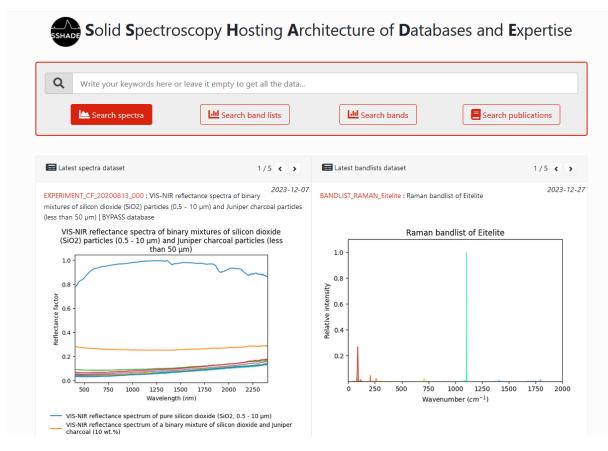# SSHADE Users Newsletter - January 2024 –

Tips for optimization of search in SSHADE.

Dear SSHADE users,

First of all, happy New Year to all of you! With the start of a new year comes the opportunity for new resolutions. To kick off 2024, some of you may have promised yourselves to explore new research avenues. SSHADE is an excellent tool for discovering and finding new data that may inspire new projects. To facilitate your spectral research, this month we offer you a newsletter built around tips that will help optimize your searches.

After opening the main SSHADE page, start by clicking on "Search spectra":

Next, you can conduct searches using keywords and leverage specific operators to enhance the efficiency and flexibility of your search. Here are some examples to help you optimize your searches:

- You can specify a particular keyword by enclosing it in quotation marks.

  For instance, searching for "CO2 ice" looks for the exact term 'CO2 ice.'

- The words entered in the search bar are cumulative, meaning that

when you input "CO2 ice," the search tool looks for all data containing both the term "ice" AND the word "CO2."

- It's possible to exclude a term by using '-'.

  For example, 'ice CO2 -H2O' excludes any data containing H2O.

- You can modify the default cumulative function by using '|' between two words.

  'CO2 | CH4' will search for spectra containing either 'CO2' OR 'CH4.'

- You can search for a close term by using '~N' (modulo N letters)

  'chondrites~2' will look for 'chondrite', 'chondritic', 'chondrites', ...

- You can search for partial terms by using a wildcard '*'

  'crystal' will also search the 'crystal' term inside other words such as 'crystalline', 'crystallize'...*

Don't forget to also use the filtering tool. The filters are additive. If you use multiple filters simultaneously, the tool will search for data that meets all the criteria.

Hoping that these examples inspire you to delve once again into the multitude of data that SSHADE contains.

Have fun with SSHADE data, and once again, we wish you exciting projects for 2024!

The SSHADE Team

All previous user newsletters are stored in the dedicated **'News' page** of the SSHADE Wiki