

Searching & Managing Scientific Information

Module 1 – Searching Scientific Information

Exercise – Basic Searching

Trainers: Stephanie Hofmann, Bobby Neuhold

Resources: Lib4RI website (www.lib4ri.ch)

Exercise 1 (Articles)

Start a search using the **Lib4RI Search Tool** and answer the following questions.

- In which of the databases displayed did you find the journal article?
- Is the journal article available online? If not, how can you obtain it?

a. Monclús, L., Arp, H. P. H., Groh, K. J., Faltynkova, A., Løseth, M. E., Muncke, J., ... Wagner, M. (2025). Mapping the chemical complexity of plastics. *Nature*, 643(8071), 349-355.

b. Scholz AE et al. Fuel Cell Hybrid-Electric Aircraft: Design, Operational, and Environmental Impact. *Journal of Aircraft*, 2023:606-22.

Exercise 2 (Journals)

Start a search with the **Lib4RI Search Tool** and answer the following questions.

- Is the journal available via Lib4RI and, if so, how?
- If the journal is not available, what options do you have for accessing articles from it?
- **Additional question:** What open access options do you have if you wish to publish an article in the journal?

a. Nature / Atmospheric Chemistry and Physics

b. MATER SCI RES INT

Exercise 3 (Books and Book Chapters)

Start a search with the Lib4RI Search Tool and answer the following questions.

Is the book and the book chapter available online or print available.

What options do you have for reading it in print?

a. Harris, D. C. & Lucy, C. A. (2026) *Quantitative chemical analysis*. Eleventh edition. Austin: Macmillan Learning, W.H. Freeman and Company.

b. Budny E. et al.: Construction Machinery. In: Springer Handbook of Mechanical Engineering, 2009, pp 1149-1266

Already finished and still want to search. Extra exercise (DOI)

What is the bibliographic description (author, title etc.) for this paper?

DOI:10.1039/C3TA15326F