

Literature suggestions.

Catching up with the literature is an important aspect of your research. Due to the large volume of journals and articles, it is impossible to cover everything. I suggest a two-step approach: (1) Every month (or another frequency that suits you better), you make an online search in scifinder or web of science by keywords/topics of the articles that are relevant to your research and browse through the abstract of the results to identify articles that are important. (2) You browse through every issue of the main journals in your field of research; you can do it by signing up to e-alert of new issues, for example. This browsing should also give you an idea of the general trends across fields. Below is the suggested list of journals; you can modify it to fit better your research. The list should not be too long and overwhelming.

1. Molecular chemistry and catalysis

- Review journals: Chemical Reviews; Chemical Society Reviews; Accounts of Chemical Research
- Nature research journals: Nature; Nature Chemistry; Nature Reviews Chemistry; Nature Communications;
- Science
- Journal of the American Chemistry Society
- Angewandte Chemie International Edition
- Chemical Science
- ACS Catalysis
- Organic Letters (for methodology)
- Advanced Synthesis and Catalysis (for methodology)
- Organometallics
- Inorganic Chemistry (for bio-inorganic and coordination chemistry)
- Chemistry, a European Journal

Energy and materials

- Review journals: Chemical Reviews; Chemical Society Reviews; Accounts of Chemical Research
- Nature research journals: Nature; Nature Chemistry; Nature Materials; Nature Energy; Nature Reviews Materials; Nature Reviews Chemistry; Nature Communications;
- Science
- Journal of the American Chemistry Society
- Angewandte Chemie International Edition
- Energy & Environmental Science
- Chemical Science
- ACS Catalysis
- AM series: Advanced Materials; Advanced Functional Materials; Advanced Energy Materials
- ACS Energy Letters