

Research Grants for PhD students from the China Scholarship Council

Information Form (please read the guidelines carefully on the website www-csc.utt.fr)

Supervisor's name : Given names :

Status (prof., assistant prof., ...) :

Laboratory : Website address :

Institution : Website address :

Scientific competence of the supervisor:

Our research group is interested in the development of electro- and photo-mediated radical-based processes and has also an expertise in organocatalysis. We recently contributed to this field and published two works in the electro-mediated difunctionalization of 1,3-dienes via a multicomponent reaction (Org. Lett. 2024, 1105) and in the use of iron catalysis under visible light to promote radical addition to azomethine imines (Chem. Commun. 2024, 6316).

Two major publications in the field proposed for the PhD :

1.
2.

Website address of the personal page :

Supervisor's email :

Description of the research work proposed for a PhD **Topic # (see list) :**

Title :

Subject :

Although neglected for decades, radical chemistry has recently witnessed a blossoming renaissance, especially due to the re-emergence of eco-efficient techniques, such as photoredox and electrochemistry. In parallel, aza-heterocycles are important motifs, widely found in natural and synthetic organic molecules with agrochemical applications. This PhD project aims at developing new eco-efficient and atom-economy methodologies using electrochemistry to functionalize these aza-heterocycles, while discovering new reactivities in electrosynthesis.

To support this research program, we are looking for an outstanding, open-minded and highly motivated candidate to pursue his/her PhD within our group.

Keywords :

Expected collaborations :

Background required from the applicant :

Existence of a PDF file detailing the proposal ("yes" or "no") :

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