

# SONG CHEN

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## Education

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**École Polytechnique Fédérale de Lausanne (EPFL)**

*PhD candidate*

**Sep. 2022 – now**

*Lausanne, Switzerland*

**Southern University of Science and Technology (SUSTech)**

*M.S. Organic Chemistry GPA: 3.63/4 (Top10)*

**Sep. 2019 – Jun. 2022**

*Shenzhen, China*

**Central South University (CSU)**

*B.S. Applied Chemistry GPA: 85.65/100*

**Sep. 2015 – Jun. 2019**

*Changsha, China*

## Research Experience

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**PhD Project**

*Synthesis and biological applications of small molecular probes*

**Sep. 2022 – now**

**Master Project - Supervisor: Prof. Shaoyu Li & Prof. Bin Tan**

*Synthesis of phenothiazine-based organic room temperature phosphorescent materials*

**Sep. 2019 – Jun. 2022**

*Aug. 2021 - Mar. 2022*

*Electrochemical phenothiazination of naphthylamine and its application in photocatalysis*

*Sep. 2019 - Jun. 2021*

Engaged in developing electrochemical methodology of synthesizing N-aryl phenothiazine (PTH) type catalysts.

**Undergraduate Project**

*Synthesis of chiral phosphoric acid (CPA) catalyst*

**Sep. 2015 – Jun. 2019**

*Feb. 2019 - Jun. 2019*

*Design of pharmaceutical factory*

*Feb. 2018 - Aug. 2018*

## Publications

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Song Chen, Ya-Nan Li, Shao-Hua Xiang,\* Shaoyu Li\* and Bin Tan\*."Electrochemical Phenothiazination of Naphthylamines and its Application in Photocatalysis." *Chem. Commun.*, **2021**, 57, 8512-8515.

## Technical Skills & Relevant Courses

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**Skills:** NMR, HPLC, LC-MS, Cell Culture, Western blot, Biotin PD, Protein purification.

**Courses:** Advanced Organic Chemistry, Materials Chemistry, Inorganic Chemistry, Chemical Biology, LabVIEW.

## Rewards & Favors

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**Rewards:** National Scholarship & Excellent Volunteer in SUSTech, The First Class Scholarship & Outstanding Graduate in CSU.

**Favors:** Outdoor Enthusiast, Moviegoer, Volunteer.