

Haoran Sun 孙浩然

Education

- 2023– **Ph.D., Chemistry**, *University of California San Diego*
Thesis theme: Time-dependent and transient processes in strongly correlated systems
Advisor: Michael Galperin
- 2019–2023 **B.Sc., Bioinformatics**, *Chinese University of Hong Kong, Shenzhen (CUHK-Shenzhen)*
- 2022 **Summer visiting program**, *University of California, Berkeley*
- 2016–2019 **Science**, *Tsinghua University High School*

Publications

- [1] L. Zhang, D.-Y. Zhu, J. Hu, M. Feng, T. C. Sum, H. Sun, H. Hirao, Y. R. Chi, and J. S. Zhou, "Pursuing high efficiency in photocatalytic oxidative couplings of heteroarenes and aliphatic C–H bonds," *Organic Chemistry Frontiers*, vol. 10, no. 7, pp. 1651–1659, Mar. 28, 2023, ISSN: 2052-4129. DOI: 10.1039/D2Q001558G. [Online]. Available: <https://pubs.rsc.org/en/content/articlelanding/2023/qo/d2qo01558g> (visited on 06/14/2024).
- [2] S. Liu, S. Xia, D. Yue, H. Sun, and H. Hirao, "The Bonding Nature of Fe–CO Complexes in Heme Proteins," *Inorganic Chemistry*, vol. 61, no. 44, pp. 17494–17504, Nov. 7, 2022, ISSN: 0020-1669. DOI: 10.1021/acs.inorgchem.2c02387. [Online]. Available: <https://doi.org/10.1021/acs.inorgchem.2c02387> (visited on 06/14/2024).

Teaching Experiences

- 2023– UC San Diego: Teaching Assistant
- CHEM 6A: General Chemistry I (Fall 2023)
 - CHEM 6B: General Chemistry II (Winter 2024)
 - CHEM 7L: General Chemistry Laboratory (Spring 2024)
- 2019–2023 CUHK-Shenzhen: Undergraduate Student Teaching Fellow
- BIM2005: Computational Biology (Fall 2021)
 - BIM3013: Organic Chemistry (Spring 2022)

Awards

- 2019–2023 Bowen Scholarship, 30,000 RMB/year, in total 120,000 RMB, CUHK-Shenzhen
- 2020–2022 Dean's List Award, CUHK-Shenzhen
- 2021 Contemporary Undergraduate Mathematical Contest in Modeling, The Second prize
- 2018 Chinese Chemistry Olympiad, The First prize (Provincial Exam)