



## LIU Xiang-Wei

Associate Professor

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### BIO

#### Education

- **PhD**, Chengdu Institute of Biology, Chinese Academy of Sciences, Natural Products Research Centre (2012)
- **M.Sc.**, Shaanxi Normal University, School of Chemistry & Chemical Engineering (2009)
- **B.Sc.**, Shaanxi University of Technology, College of Chemical & Environmental Science (2006)

#### Employment

##### Academic Appointments

- Associate Professor, School of Life Science and Engineering, Southwest Jiaotong University, China (2018-present)
- Marie Curie Postdoctoral Research Fellow, Institute of Chemical Research of Catalonia (ICIQ), Spain (2016-2018)
- Postdoctoral Research Fellow, Institute of Chemical Research of Catalonia (ICIQ), Spain (2015-2016)
- Postdoctoral Research Fellow, College of Chemistry and Molecular Engineering, Peking University, China (2012. -2014)
- Research Assistant, Natural Products Research Center, Chengdu Institute of Biology, Chinese Academy of Sciences, China (2009-2012)

### RESEARCH INTERESTS

- Elemento-Organic Chemistry, Transition Metal Catalysis, Photoredox Catalysis

### SELECTED PUBLICATIONS

#### Principal Publications of the Last Five Years

- Xue Tong, Si-Si Luo, Hua Shen, Shu Zhang, Tian Cao, Yi-Peng Luo, Long-Ling Huang, Xi-Tao Ma, Xiang-Wei Liu Nickel-Catalyzed Defluorinative Alkylation of C(sp<sup>2</sup>)-F Bonds, *Org. Chem. Front.* **2021**, *In revision*.
- Xiang-Wei Liu, Cayetana Zarate, Ruben Martin, Base-Mediated Defluorosilylation of C(sp<sup>2</sup>)-F and C(sp<sup>3</sup>)-F Bonds, *Angew. Chem. Int. Ed.* **2019**, *58*, 2064-2068.
- Xiang-Wei Liu, Javier Echavarren, Cayetana Zarate, Ruben Martin\*, Ni-Catalyzed Borylation of Aryl Fluorides via C-F Cleavage, *J. Am. Chem. Soc.* **2015**, *137*, 12470-12473.

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- Xiang-Wei Liu, Jiang-Ling Shi, Jiang-Bo Wei, Chao Yang, Jia-Xuan Yan, Kun Peng, Le Dai, Chen-Guang Li, Bi-Qin Wang, and Zhang-Jie Shi\*, Diversified syntheses of multifunctionalized thiazole derivatives via regioselective and programmed C-H activation, *Chem. Commun.* **2015**, 51, 4599-4602.
  - Jia-Xuan Yan, Hu Li, Xiang-Wei Liu, Jiang-Ling Shi, Xin Wang, Zhang-Jie Shi\*, Palladium-Catalyzed C(sp<sup>3</sup>)-H Activation: A Facile Method for the Synthesis of 3,4-Dihydroquinolinone Derivatives, *Angew. Chem. Int. Ed.* **2014**, 53, 4945-4949.

### SELECTED AWARDS AND HONORS

- Marie Skłodowska Curie Individual Fellowship, 2016
- Eyas Scholar, Southwest Jiaotong University, 2019
- 1000 talent plan of Sichuan Province, 2018
- The Excellent Poster Award in the 1<sup>st</sup> Sino-Israel Bilateral Workshop & International Symposium on Organometallic and Homogeneous Catalysis, 2014
- Zhu-Li-Yue-Hua Scholarship for Excellent Ph.D. Candidate, Chinese Academy of Sciences, 2012

### PROFESSIONAL ACTIVITIES

#### RESEARCH

##### Current Research

- Development of Methodologies toward the (De)construction of Elemento-Organic Entities

##### Research Group

- TONG Xue (G3)
- SHEN Hua (G2), LUO Sisi (G2)
- CAO Tian (G1), LUO Yipeng (G1), ZHANG Shu (G1)

#### TEACHING

##### Primary Teaching areas

- Organic Chemistry (**OC**)
- Organic Synthesis (**OS**)
- Organometallic Catalysis Directed Towards Organic Synthesis (**OMCOS**)
- Organic Reactions for Drug Synthesis (**ORDS**)

##### Current Courses

- Organic Chemistry II (**OC-II**, Bilingual)

#### GRADUATE SUPERVISION

I started my new career at SWJTU on March 12<sup>th</sup> of 2018, over the past three years, I have supervised **6** master students and **4** undergraduate students (Lan Jie, LI Shijia, HUANG Longling and DING Yaopeng).

#### IN THE NEWS

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