

Yi-Wen Zheng (郑艺文)

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Birth: January 1987



Education

- 09/2013-12/2017 joint Ph.D., Organic Chemistry
Shandong University & Technical Institute of Physics and Chemistry (TIPC),
Chinese Academy of Sciences (CAS)
Supervisor: Prof. Chen-Ho Tung
Prof. Li-Zhu Wu
Thesis: Photocatalytic arene C-H bond functionalization: Aryl C-O/C-N bond formation via hydrogen-evolution cross-coupling
- 09/2009-07/2012 M.S., Physical Chemistry
Fuzhou University (Supervisor: Prof. Jian-Dong Huang)
Thesis: Studied on synthesis, characterization and properties of silicon phthalocyanines substituted with folic acid and aminoethyl groups
- 09/2005-07/2009 B.S., Chemical Engineering and Technology
Fujian Agriculture and Forestry University

Experience

- 09/2018-03/2020 Postdoctoral fellow (CSC-DAAD)
Universität Regensburg (with Prof. Burkhard König)
- 01/2018-08/2018 Research associate, TIPC, CAS (with Prof. Li-Zhu Wu)
- 03/2013-07/2013 Synthetic Organic Chemist (Intern), *Xiamen Bioluminor Bio-Technology Co., Ltd.*
- 08/2012-11/2012 Synthetic Organic Chemist (Intern), Department of Pharmaceutical Chemistry, *WuXi AppTec (Shanghai) Co., Ltd.*

Publications

1. **Yi-Wen Zheng**[†], Bin Chen[†], Pan Ye, Ke Feng, Wenguang Wang, Qing-Yuan Meng, Li-Zhu Wu*, Chen-Ho Tung* ([†]Y.-W.Z. and B.C. contributed equally). Photocatalytic Hydrogen-Evolution Cross-Couplings: Benzene C-H Amination and Hydroxylation. *J. Am. Chem. Soc.* **2016**, *138*, 10080-10083. (*Spotlights on JACS Publications*, *JACS.* **2016**, *138*, 11409. Times cited: 109)

2. **Yi-Wen Zheng**, Pan Ye, Bin Chen*, Qing-Yuan Meng, Ke Feng, Wengguang Wang, Li-Zhu Wu, Chen-Ho Tung*. Benzene C-H Etherification *via* Photocatalytic Hydrogen- Evolution Cross-Coupling Reaction. *Org. Lett.*, **2017**, *19*, 2206-2209. (Times cited: 30)
3. **Yi-Wen Zheng**, Shao-Fang Chen, Bi-Yuan Zheng, Mei-Rong Ke, Jian-Dong Huang. A Silicon(IV) Phthalocyanine-Floate Conjugate as an Efficient Photosensitizer. *Chem. Lett.* **2014**, *43*, 1701-1703. (Times cited: 5)
4. **Yi-Wen Zheng** and Burkhard König. Photoinduced, Copper(II)-Catalyzed N-H Alkylation. (*ACS Catal.* **2020**. Revisions and resubmissions requested by editorial office)
5. Xiu-Jie Yang, **Yi-Wen Zheng**, Li-Qiang Zheng, Li-Zhu Wu, Chen-Ho Tung, and Bin Chen*. Visible light-catalytic dehydrogenation of benzylic alcohols to carbonyl compounds by using an eosin Y and nickel–thiolate complex dual catalyst system. *Green Chem.* **2019**, *21*, 1401–1405.
6. Xu He, **Yi-Wen Zheng**, Tao Lei, Wen-Qiang Liu, Bin Chen*, Ke Feng, Chen-Ho Tung and Li-Zhu Wu*. Photocatalytic hydrogen evolution of 1-tetralones to α -naphthols by continuous-flow technology. *Catal. Sci. Technol.* **2019**, *9*, 3337–3341.
7. Zeyuan Zhang, **Yiwen Zheng**, Zuobang Sun, Zhen Dai, Ziqiang Tang, Jiangshan Ma and Chen Ma. Direct Olefination of Fluorinated Quinoxalines *via* Cross- Dehydrogenative Coupling Reactions: A New Near-Infrared Probe for Mitochondria. *Adv. Synth. Catal.*, **2017**, *359*, 2259-2268.
8. Ming Xiang, Qing-Yuan Meng, Jia-Xin Li, **Yi-Wen Zheng**, Chen Ye, Zhi-Jun Li, Bin Chen, Chen-Ho Tung, Li-Zhu Wu*. Activation of C-H Bonds through Oxidant-Free Photoredox Catalysis: Cross-Coupling Hydrogen-Evolution Transformation of Isochromans and β -Keto Esters. *Chem. Eur. J.* **2015**, *21*, 18080-18084.

Awards & Honors

- 2016 Best Poster of the 19th National Symposium on Organometallic Chemistry
- 2017 Award for Excellent Science and Technology Innovation for Graduate Student in Shandong Province, China