Curriculum Vitae

Personal

Name: Jia JingWen
Gender: Female
Date of birth: 1993/07/04

Education

(2018.10-2021-10) Ph.D., Graduate School of Material Science,
Nara Institute of Science and Technology (Japan)
(Advisor: Prof. Kiyomi Kakiuchi & Prof. Tsuyoshi Kawai)

(2015.09-2018.04) M.S. course, School of Chemical Engineering,
TianJin University of Technology (China)
(Advisor: Prof. Song Xue)

(2011.09-2012.06) B.S. course, School of Chemical Engineering,
TianJin University of Technology (China)

Research and Professional Experience

(2021.10-present) Postdoctoral Fellow
Graduate School of Pharmaceutical Sciences, Kyoto University
(Advisor: Prof. Keiji Maruoka)

(2020.02-04) Exchange Internship
RWTH Aachen University (Germany)
(Advisor: Prof. Jun Okuda)

(2020.01-02) English Learning Program
University of Hawaii at Manoa (USA)

Publications

Original papers:

1) **J. Jia**, T. Morimoto, Y. Yamaguchi, H. Tanimoto, and K. Kakiuchi, Photodissociation of the Product from a Transition-Metal Center Allows the Catalytic Cycle to Proceed: The Rhodium(I)-Catalyzed [2+2+1] Carbonylative Cycloaddition of Diynes, *Org. Lett.* **2021**, 23, 12, 4893–4897.
2) **J. Jia**, Y. Zhang, L. Duan, Q. Wu, Y. Chen, and S. Xue, An Asymmetrically Substituted Dithienopyrrole Organic Hole-Transporting Material for Perovskite Solar Cell, *CJCHE* **2021**.
3) T. Morimoto, **J. Jia**, Y. Yamaguchi, H. Tanimoto, and K. Kakiuchi, Cationic Rhodium(I)-Catalyzed Carbonylative [2+2+1] Cycloaddition of Diynes, *Asian J. Org. Chem.* **2020**, *9*, 1778-1782, DOI: 10.1002/ajoc.202000436. (First Author: Supervisor)
4) L. Duan, Y. Chen, **J. Jia**, X. Zong, Z. Sun, Q.Wu, and S. Xue, Dopant-Free Hole-Transport Materials Based on 2,4,6-Triarylpyridine for Inverted Planar Perovskite Solar Cells, *ACS*

Appl. Energy Mater. **2020**, *3*, 1672-1683.

5) R. Liu, Y. Xu, **J. Jia**, P. Chen, F. Zhang, L. Zhang, and Y. Chen, Improvement on curing performance and morphology of E5I/TPGDA mixture in a free radical-cationic hybrid photopolymerization system, *J Polym Res.* **2020***, 27,* 166.

6) **J. Jia**, L. Duan, Y. Chen, X. Zong, Z. Sun, Q. Wu, and S. Xue, New ferrocenyl-containing organic hole-transporting materials for perovskite solar cells in regular (n-i-p) and inverted (p-i-n) architectures, *RSC Advance* **2019**, *9*, 216-223.

7) Cooper, C. B., Beard, E. J., Vázquez - Mayagoitia, Á., Stan, L., Stenning, G. B. G., Nye, D. W., Vigil, J. A., Tomar, T., **Jia, J.**, Bodedla, G. B., Chen, S., Gallego, L., Franco, S., Carella, A., Thomas, K. R. J., Xue, S., Zhu, X., Cole, J. M., Dye-Sensitized Solar Cells: Design-to-Device Approach Affords Panchromatic Co - Sensitized Solar Cells, *Adv. Energy Mater*. **2019**, *9*, 1802820.

8) **J. Jia**, Yu Chen, LiangShen Duan, Zhe Sun, Mao Liang,Song Xue. New D-π-A sensitizers incorporating dithieno[3,2-b:2',3'-d]pyrrole(DTP)-based π-linkers for efficient dye-sensitized solar cells, *RSC Advance* **2017**, 7, 45807-45817.

Patent:

1) CN, 201811439464.7 [P]. 2018-11-29.

2) CN, 201811439158.3 [P]. 2018-11-29.