

Zhiran YU

PHD CANDIDATE IN MATERIALS SCIENCE



Personal profile

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Zhiran Yu

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Personal Skills

- Proficient in various electrochemical techniques
- Strong ability to analyze and interpret complex data sets from various characterization techniques.
- Strong research skills with a focus on developing innovative solutions to scientific problems.
- Ability to critically evaluate literature and apply theoretical knowledge to practical experiments.
- Effective communicator with experience in presenting research findings at conferences and in scientific publications.

Education

Sept. 2013 – Jun. 2017 Xinyang Normal University . Bachelor's degree in chemistry.

Sept. 2017 – Jun. 2020 Hangzhou Normal University. Master degree in inorganic chemistry and major in polymeric nanocomposites.

Dec. 2021 until now Univerity of Lille. Doctor degree candidate in materials science and major in electrochemistry.

Publications

[1] Zhao-Hui Zhang, **Zhi-Ran Yu**, Yi Zhang, Alexandre Barras, Ahmed Addad, Pascal Roussel, Long-Cheng Tang, Sabine Szunerits, and Rabah Boukherroub. Journal of Materals Chemistry A, DOI:10.1039/D3TA02770H

[2] Yi Zhang, Zhao-Hui Zhang, **Zhi-Ran Yu**, Qi Wang, Alexandre Barras, Ahmed Addad, Mohammed A. Amin, Pascal Roussel, Sabine Szunerits, and Rabah Boukherroub. ACS Applied Materals & Interfaces, DOI: 10.1021/acsami.3c12254

[3] Shi-Neng Li¹, **Zhi-Ran Yu**¹, Bi-Fan Guo, Kun-Yu Guo, Yang Li, Li-Xiu Gong, Li Zhao, Joonho Bae, and Long-Cheng Tang. Nano Energy, DOI: 10.1016/j.nanoen.2021.106502

[4] Wei-Wei Qiu, **Zhi-Ran Yu**, Ling-Yun Zhou, Ling-Yu Lv, Heng Chen, and Long-Cheng Tang. Nanomaterials, DOI:10.3390/nano12121963

[5] **Zhi-Ran Yu**, Min Mao, Shi-Neng Li, Qiao-Qi Xia, Long-Cheng Tang. Chemical Engineering Journal, DOI:10.1016/j.ccej.2020.126620

[6] **Zhi-Ran Yu**, Shi-Neng Li, Jing Zang, Ming Zhang, Long-Cheng Tang.. Composites Part B: Engineering, 2019, DOI:10.1016/j.compositesb.2019.107347

[7] Shi-Neng Li¹, Bao-Qiang Li, **Zhi-Ran Yu**¹, Yang Li, Long-Cheng Tang. Composites Part B:Engineering, DOI:10.1016/j.compositesb.2020.108046

[8] Shi-Neng Li¹, Baoqiang Li, **Zhi-Ran Yu**¹, Li-Xiu Gong, Long-Cheng Tang. Composites Science and Technology, DOI: 10.1016/j.compscitech.2020.108173

[9] Shi-Neng Li¹, Bao-Qiang Li, **Zhi-Ran Yu**¹, Shou-wei Dai, Long-Cheng Tang. ACS Applied Polymer Materials, DOI: 10.1021/acsapm.0c00106

[10] Hui Xu, Yang Li, Neng-Jian Huang, **Zhi-Ran Yu**, Peng-Huan Wang, Zhao-Hui Zhang, Qiao-Qi Xia, Li-Xiu Gong, Shi-Neng Li, Li Zhao, Guo-Dong Zhang, Long-Cheng Tang. Journal of Hazardous Materials, DOI:10.1016/j.jhazmat.2018.09.082

[11] Shi-Neng Li, Baoqiang Li, Li-Xiu Gong, **Zhi-Ran Yu**, Yujie Feng, Dechang Jia, Yu Zhou, Long-Cheng Tang. Materials and Design, DOI: 10.1016/j.matdes.2018.11.045

Conference

Climate Change and Energy Science of Materials (14/09/2023 in Gent).
Oral presentation: Electrocatalytic Upcycling of Polyethylene Terephthalate (PET) to Formic Acid and Hydrogen Fuels.