

Yan-Gu Lin

Affiliation: Scientist, Scientific Research Division, National Synchrotron Radiation Research Center

Address: 101 Hsin-Ann Road, Hsinchu Science Park, Hsinchu 300092, Taiwan

E-mail: lin.yg@nsrrc.org.tw

Website:

https://www.nsrrc.org.tw/english/personal.aspx?ID=15291&Dept_UID=55&Type=D



Education

2005 – 2010 Ph. D. Department of Material Science and Engineering, National Chiao Tung University

Professional Career

2024.02 – Present Adjunct Professor, Dept. of Material Science and Engineering, National Yang Ming Chiao Tung University, Taiwan

2022.08 – 2024.07 Deputy Division Head of Scientific Research Division at NSRRC, Taiwan

2021.01 – 2022.12 Group leader of Material Science Group, NSRRC, Taiwan

2024.01 – Present Scientist, NSRRC, Taiwan

2019.01 – 2023.12 Associate Scientist, NSRRC, Taiwan

2014.01 – 2018.12 Assistant Scientist, NSRRC, Taiwan

2012.01 – 2013.12 Postdoctoral Researcher, Argonne National Laboratory, USA

2010.10 – 2011.12 Postdoctoral Researcher, Academia Sinica, Taiwan

Selected Publications

1. Yinghao Li, Chun-Kuo Peng, Yuntong Sun*, L. D. Nicole Sui, Yu-Chung Chang, San-Yuan Chen, Yingtang Zhou*, **Yan-Gu Lin*** and Jong-Min Lee*, “*Operando elucidation of hydrogen production mechanisms on sub-nanometric high-entropy metallenes*”, **2024, Nature Communications**, Vol. 15, pp 10222.
2. Chun-Wen Tsao, Sudhakar Narra, Jui-Cheng Kao, Yu-Chang Lin, Chun-Yi Chen, Yu-Cheng Chin, Ze-Jiung Huang, Wei-Hong Huang, Chih-Chia Huang, Chih-Wei Luo, Jyh-Pin Chou, Shigenobu Ogata, Masato Sone, Michael H. Huang, Tso-Fu Mark Chang*, Yu-Chieh Lo*, **Yan-Gu Lin***, Eric Wei-Guang Diao* and Yung-Jung Hsu*, “*Dual-plasmonic Au@Cu₇S₄ yolk@shell nanocrystals for photocatalytic hydrogen production across visible to near infrared spectral region*”, **2024, Nature Communications**, Vol. 15, pp 413.
3. Chun-Kuo Peng, Yu-Chang Lin, Chao-Lung Chiang, Zhengxin Qian, Yu-Cheng Huang, Chung-Li Dong, Jian-Feng Li*, Chien-Te Chen, Zhiwei Hu*, San-Yuan Chen* and **Yan-Gu Lin***, “*Zhang-Rice singlets state formed by two-step oxidation for triggering water oxidation under operando conditions*”, **2023, Nature Communications**, Vol. 14, pp 529. (Editors’ Highlights on Catalysis)
4. Yinghao Li, Chun-Kuo Peng, Huimin Hu, San-Yuan Chen, Jin-Ho Choi*, **Yan-Gu Lin*** and Jong-Min Lee*, “*Interstitial Boron-Triggered Electron-Deficient Os Aerogels for Enhanced pH-Universal Hydrogen Evolution*”, **2022, Nature Communications**, Vol. 13, pp 1143. (Editors’ Highlights on Catalysis)

Research Interests

1. Synchrotron-based X-ray Spectroscopy

2. In-situ/operando X-ray Techniques

Awards

1. Fellow of Royal Society of Chemistry (2024)
2. Materials Research Society-Taiwan Outstanding Service Award. (2023)
3. Fellow of International Association of Advanced Materials (2023)
4. Future Tech Award, NSTC (2022)
5. Scientist Award of International Association of Advanced Materials (2022)
6. Young Scientist Award of Taiwan Vacuum Society (2021)