## Professor Li Youyong

Macao Institute of materials science and engineering

E-mail: yyli@must.edu.mo

- for enhanced electrocatalytic water oxidation ", *Nature Communications*, 2019, 10:2149.
- Ji, Yujin\*; Li, Yifan; Dong, Huilong; Ding, Lifeng; Li, Youyong\*; Ruthenium single-atom catalysis for electrocatalytic nitrogen reduction unveiled by grand canonical density functional theory, *Journal of Materials Chemistry A*, 2020, 8(39): 20402-20407
- Yunxia Liu, Krisztian Palotas, Xiao Yuan, Tingjun Hou, Haiping Lin\*, Youyong Li\*, and Shuit-Tong Lee, "Atomistic Origins of Surface Defects in CH3NH3PbBr3 Perovskite and Their Electronic Structures," *Acs Nano* 11 (2), 2060-2065 (2017).
- Lili Zhu, Haiping Lin, Youyong Li\*, Fan Liao, Yeshayahu Lifshitz, Minqi Sheng, Shuit-Tong Lee, and Mingwang Shao\*, "A rhodium/silicon co-electrocatalyst design concept to surpass plati-num hydrogen evolution activity at high overpotentials," *Nature Communications* 7 (2016).

## Professional Society Membership

- Member of computational chemistry committee of Chinese Chemical Society
- Editorial Board Member of "Scientific Reports"
- Editorial Board Member of "Frontiers in Materials"