



## Yun Hau NG

Professor

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### Education:

2005~2009, Ph.D., Chemistry, Osaka University, Japan.

### Experience:

Professor, King Abdullah University of Science and Technology (2024 – present)

Professor, School of Energy and Environment, City University of Hong Kong (2018-2024)

Senior Lecturer, School of Chemical Engineering, University of New South Wales (2014-2018)

Associate Editor, J. Photochemistry and Photobiology A: Chemistry (2023-present)

### Honors & Awards:

1. The Japanese Photochemistry Association Kataoka Lectureship Award for Asian and Oceanian Photochemist (2021)
2. APEC Science Prize for Innovation, Research and Education (ASPIRE)(2019)
3. Honda-Fujishima Prize, by the Electrochemical Society of Japan (2013)

### Research Areas:

Photochemistry and Photocatalysis

Interfacial Charge Carrier Dynamics

### Selected Publications:

1. H. Wu, F. F. Abdi, Y. H. Ng, “Polarons in Heterogeneous Photo(electro)catalysts”, *Angew. Chem. Int. Ed.* **2026**, 65 (13), e22726.
2. H. Wu, S. Qu, Y. H. Ng, “Bismuth Vanadate Capable of Driving One-step-excitation Photocatalytic Overall Water Splitting”, *J. Am. Chem. Soc.* **2025**, 147 (13), 10829-10833.
3. S. Qu, H. Wu, Y. H. Ng, “Solar Oxidative Hydrogen Peroxide Production: Is the Oxygen Vacancy Always a Promoter in Solar Water Oxidation?”, *ACS Catal.* **2024**, 14 (7), 5297-5304.
4. H. Wu, L. Zhang, S. Qu, A. Du, J. Tang, Y. H. Ng, “Polaron-mediated Transport in BiVO<sub>4</sub> Photoanodes for Solar Water Oxidation”, *ACS Energy Lett.* **2023**, 8 (5), 2177-2184.
5. H. Wu, L. Zhang, A. Du, R. Irani, R. van de Krol, F. F. Abdi, Y. H. Ng, “Low-bias Photoelectrochemical Water Splitting via Mediating Trap States and Small Polaron”, *Nature Commun.* **2022**, 13 (1), 6231.

