Curriculum Vitae

Prof. / Dr. Chechia Hu

Position: Professor

Institution: National Taiwan University of Science and Technology

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University Education and Professional Experience/Positions

2024-present

Professor, Department of Chemical Engineering, National Taiwan University of Science and Technology, Taiwan

2020-2024

Associate Professor, Department of Chemical Engineering, National Taiwan University of Science and Technology, Taiwan

2019-2020

Associate Professor, Department of Chemical Engineering, Chung Yuan Christian University, Taiwan

2015-2019

Assistant Professor, Department of Chemical Engineering, Chung Yuan Christian University, Taiwan

2013-2015

Research Chemist, Department of Materials, Taiwan Textile Research Institute

2011-2013

Research Chemist, Eternal Materials Co.,Ltd.

2007-2010

Ph.D. Chemical Engineering, National Cheng Kung University, Taiwan

2005-2007

M.S. Chemical Engineering, Chung Yuan Christian University, Taiwan

2001-2005

B.S. Chemical Engineering, Chung Yuan Christian University, Taiwan

Honors, Awards and Recognitions

2025

1. Future Tech Award, Chien-Hua Chen, Hua-Wei Chen, Chechia Hu

2024

1. The Distinguished Lectureship Award, The CSJ Asian International Symposium
2. Top 2% Scientists in the world

2022

1. Excellent Research Award, National Taiwan University of Science and Technology
2. Outstand Young Professor Award, LCY group
3. Outstanding Young Alumni Award, National Cheng Kung University
4. Top 2% Scientists in the world

2021

1. Top 2% Scientists in the world

2020

1. Young Professor Award, National Taiwan University of Science and Technology

2019

1. Young Professor Award, Catalysis Society of Taiwan
2. Outstanding Research Award, Chung Yuan Christian University
3.

Editorial Positions, Editorial Advisory board Member

Selected Publications (5-10 publications)

(i) Y. Y. Lin, W. L. Chen, Y. Takaki, Y. S. Liou, M. Yoshida, S. C. Chien, L. A. Ningsih, J. Scucka, **C. Hu***, "Tungsten-induced oxygen vacancy in MOF-derived MnO_2@carbon for solar-driven photothermal oxidation of formaldehyde", *Chemical Engineering Journal*, **2025**, 525, 169913.

(ii) **C. Hu***, L. L. Chang, W. Chen, W. Y. Hsu, S. C. Chien, C. H. Chen, Y. T. Lin, T. J. Hsu, K. L. Tung, "3D-printed Al_2O_3 framework supported carbon-bridged tri-s-triazine of g-C_3N_4 for photocatalytic tetracycline oxidation", *Chemical Engineering Journal*, **2024**, 487, 150504.

(iii) L. A. Ningsih, P. Y. Lu, S. Ashimura, M. Yoshida, W. C. Chen, Y. C. Chiu, **C. Hu***, "Highly effective photocatalytic degradation of plastic film (LDPE) using Ruthenium-incorporated g-C_3N_4 via the Norrish mechanism", *Chemical Engineering Journal*, **2024**, 480, 148089.

(iv) L. B. Hou, H. N. Catherine, K. Harada, M. Yoshida, Y. L. Chen, **C. Hu***, "Reactive seeding growth of cobalt-doped MIL-88B(Fe) on Al_2O_3 membrane for phenol removal in a photocatalytic membrane reactor", *Journal of Membrane Science*, **2023**, 680, 121730.

(v) **C. Hu***, M. Yoshida, P. H. Huang, S. Tsunekawa, L. B. Hou, C. H. Chen, K. L. Tung, "MIL-88B(Fe)-coated photocatalytic membrane reactor with highly stable flux and phenol removal efficiency", *Chemical Engineering Journal*, **2021**, 418, 129469.