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Education:

PhD (2010~2015)	Department of Chemistry, Technische Universität München, Germany
M.Sc. (2008~2010)	Department of Chemistry, Technische Universität München, Germany
B.Sc. (2005~2008)	Department of Chemistry, Technische Universität München, Germany

Experience:

Postdoc (2015~2020)	Institute of Atomic and Molecular Science, Academia Sinica, Taiwan

Selective Honors & Awards:

1. Distinguished Lectureship Award, Chemical Society of Japan Asian International Symposium (2023)
2. National Science and Technology Council, Ta-You Wu Memorial Award (2025)

Research Areas:

Computational Chemistry, kinetic Modeling, Surface Chemistry, Diffusion

Selective Publications:

1. B. Tharat, C.-T. Tsai, S. Suthirakun,* C.-c. Chiu* "Exploring the performance of dual-atom Pd2 catalysts for benzene hydrogenation and cyclohexane dehydrogenation: A DFT and microkinetic modeling study", *J Catal*, **2025**, 449, 116214
2. H. T. Huynh, J.-L. Kuo, C.-c. Chiu* "Collision-Induced Dissociation Mass Spectra of Na+-Tagged Aldohexoses Simulated from First-Principles Calculations", *Phys Chem Chem Phys*, **2025**, 27, 9721-9731
3. C.-H. Hsu, C.-Y. Lin, H.-Y Wang, P.-Y. Lin, C.-H. Chuang, L.-W. Hsiao, C.-c. Chiu*, D.-Y. Kang* "Single-file diffusion and its influence on membrane gas separation: a case study on UTSA-280", *J Membr Sci*, **2024**, 706, 122920
4. P.-Y. Wang, B.-A. Chen, Y.-C. Lee, C.-c. Chiu* " First-Principles Modeling of the Highly Dynamical Surface Structure of a MoS2 Catalyst with S-Vacancies", *Phys Chem Chem Phys*, **2022**, 24, 24166-24172
5. H. T. Huynh, S.-T. Tsai, P.-J. Hsu, A. Biswas, H. T. Phan, J.-L. Kuo, C.-K. Ni*, C.-c. Chiu* "Collision-Induced Dissociation of Na+-tagged Ketohexoses: Experimental and Computational Studies on Fructose", *Phys Chem Chem Phys*, 2022, 24, 20856-20866