

Rangsiman Ketkaew

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EDUCATIONS

Ph.D. Computational Chemistry
UNIVERSITY OF ZURICH

Zurich, Switzerland | June 2020 - Present

M.Sc. Computational Chemistry
THAMMASAT UNIVERSITY

Bangkok, Thailand | July 2016 - Dec 2018

B.Sc. Chemistry with Mathematics Specialization
THAMMASAT UNIVERSITY

Bangkok, Thailand | May 2012 - Jun 2016

RESEARCH INTEREST

- *Ab initio* molecular dynamics, enhanced sampling, machine learning, random walks on graphs
- Water splitting, metal oxide catalyst, electron transfer, software development

WORK EXPERIENCE

New Equilibrium Biosciences | CONSULTANT

Boston, MA | Aug 2019 - June 2020

AWARDS

- Best Oral Presentation, CMSZH Retreat, Savognin, Switzerland, 2022
- NCTU Taiwan Elite International Internship Program, Hsinchu, Taiwan, 2018
- Visiting Scholarship at International Centre for Theoretical Physics (ICTP), Trieste, Italy, 2017
- Royal Winner Award of Thailand Computational Chemistry Challenge, Bangkok, 2016
- Visiting Scholarship at Tianjin University, Tianjin, China, 2016

RECENT PUBLICATIONS

- F. Creazzo, **R. Ketkaew**, S. Luber *Appl. Surf. Sci.* 2022, 601, 154203
- N. Weder, N. S Grundmann, B. Probst, O. Blacque, **R. Ketkaew**, F. Creazzo, S. Luber, R. Alberto *ChemSusChem* 2022
- **R. Ketkaew**, F. Creazzo, S. Luber. *J. Phys. Chem. Lett.* 2022, 13, 7, 1797–1805
- R. Han*, **R. Ketkaew***, S. Luber. *J. Phys. Chem. A* 2022, 126, 6, 801–812 *Selected as journal cover*
- **R. Ketkaew**, F. Creazzo, S. Luber. *Top Catal* 2021, 65, 1-17
- M. Schilling*, **R. Ketkaew***, S. Luber. *CHIMIA* 2021, 75, 3, 195-201(7)
- **R. Ketkaew**, Y. Tantirungrotechai, G. Chastanet, P. Guionneau, P. Harding, M. Marchivie, and D. J. Harding. *Dalton Trans.* 2021, 50, 1086-1096
- **R. Ketkaew** and Y. Tantirungrotechai. *Macromol. Theory Simul.* 2018, 27, 1700093 *Selected as journal cover*

CONFERENCE CONTRIBUTIONS

- LightChEC Symposium, EMPA, Zurich, 2021
- The 10th Thai Student Academic Conference, Europe, 2021 (Outstanding Oral Presentation Award)
- TTV Workshop on Theoretical Chemistry, Academia Sinica, Taipei, Taiwan, 2018 (Outstanding Poster Award)
- Physical and Theoretical Chemistry, PACCON 2018, Bangkok, Thailand (Best Oral Presentation Award)

ACTIVITIES

Inside the university: Volunteer tutor for International Chemistry Olympiad 2022 (UZH)

Frontend-volunteer for website development of the *Friends of Ukraine* project 2022

President of Association of Thai Students in Switzerland (ATSS) 2021

Outside the university: Organizer of HackZurich 2020 & 2021, Quantum chemistry and coding online courses on YouTube

Academic leader of Thailand Machine Learning for Chemistry Competition (TMLCC) 2021