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【Biography】

- 2021.10 – present Postdoctoral Fellow (Prof. Yasuchika Hasegawa group), Institute for Chemical Reaction Design and Discovery (ICReDD), Hokkaido University, Japan
- ◆ *Chiral lanthanide complexes with efficient circularly polarized luminescence*
- 2021.4 – 2021.9 Research Assistant (Prof. Kazuyuki Ishii group), Institute of Industrial Science, The University of Tokyo, Japan
- ◆ *Synthesis and physical properties of photofunctional metal complexes: Development of metastable state and elucidation of phase transition phenomenon for soft crystals*
- 2017.4 – 2021.3 Doctor of Engineering, Department of Applied Chemistry, Graduate School of Engineering, The University of Tokyo, Japan
- ◆ *Syntheses, Reactivities, Spectroscopic and Photochemical Properties of Tricarbonyl Rhenium Tetraazaporphyrin Derivatives* (Prof. Kazuyuki Ishii group)
- 2014.9 – 2015.9 Master of Science, Polymer Materials Science and Engineering, School of Materials, Faculty of Engineering and Physical Sciences, The University of Manchester, UK
- ◆ *Revealing the Effect of Graphene Nanoplatelets on the Mechanical and Functional Performance of the Epoxy Nanocomposites* (Prof. Ian Kinloch group)
- 2009.9 – 2013.7 Bachelor of Engineering, Department of Chemical Engineering and Technology, Faculty of Chemical Engineering, Shengli College China University of Petroleum, China
- ◆ *Assembly and Characterization of Thylakoid Membrane Proteins Sensitized Solar Cells* (Prof. Daoyong Yu & Prof. Fang Huang group)

【Publications】

- ♦ "Distorted Porphyrins with High Stability: Synthesis and Characteristic Electronic Properties of Mono- and Di-nuclear Tricarbonyl Rhenium Tetraazaporphyrin Complexes", M. Wang, K. Murata, K. Ishii, *Chem. Eur. J.*, 2021, 27, 8994–9002.
- ♦ "Enhanced Photocurrent Production by Bio-Dyes of Photosynthetic Macromolecules on Designed TiO₂ Film", D. Yu, M. Wang, G. Zhu, B. Ge, S. Liu, F. Huang, *Scientific Reports*, 2015, 5, 1–9.
- ♦ "Triton X-100 as An Effective Surfactant for the Isolation and Purification of Photosystem I from *Arthrospira Platensis*", D. Yu, G. Huang, F. Xu, M. Wang, S. Liu, F. Huang, *Photosynthesis Research*, 2014, 120, 311–321.

【Presentations】

- ♦ M. Wang, Y. Koike, K. Murata, D. Saito, M. Kato, K. Ishii: "Electrochemical and Spectral Properties of Highly Distorted Rhenium Phthalocyanine Complexes" (oral) The 239th ECS Meeting, 2021.06.03.
- ♦ M. Wang, Y. Koike, K. Murata, G. Jonusauskas, A. Furet, D. M. Bassani, K. Ishii: "Spectroscopic and Photochemical Properties of Tricarbonyl Rhenium Phthalocyanines and Related Compounds" (oral) The Photofunctional Complexes Research Association Japan (ORK), 2020.11.07.
- ♦ M. Wang, Y. Koike, K. Murata, K. Ishii: "Photochemical and Electrochemical CO-Release from a Rhenium Phthalocyanine Complex" (poster) The 2nd International Symposium on Soft Crystals, Narita, Japan, 2019.07.14.
- ♦ M. Wang, Y. Koike, K. Murata, K. Ishii: "Spectroscopic and Photochemical Properties of Rhenium Phthalocyanines and Related Compounds" (poster) The 31st Coordination Compound Photochemistry Forum, 2019.08.04.
- ♦ M. Wang, K. Murata, K. Ishii: "Electrochemical CO₂ Reduction by a Rhenium(I) Phthalocyanine Complex" (oral) The 68th Conference of Japan Society of Coordination Chemistry, Sendai, Japan, 2018.07.28.