

2021.12.16 – 12.22

Presentation was made at Pacific Pacific Conference on Chemistry 2021 (Pacifichem 2021).

1. Cleavage of C–C and C–O Bonds in β -O-4 Linkage of Lignin Model Compound by Cyclopentadienone Group 8 and 9 Metals.
Shuhei Kusumoto, Masamichi Kishino, Kyoko Nozaki, The 2021 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2021): Metal-Ligand Cooperation for bond activation, Online, 2021/12/16–22 (Poster).
2. Effect of Alkyl Groups on the Solid-State Photophysical Properties: the Case Study of Pyrene.
Takanori Iwasaki, Shin Murakami, Youhei Takeda, Norimitsu Tohnai, Nobuaki Kambe, The 2021 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2021): π -Electronic Systems: Synthesis, Properties, Theory and Function, Online, 2021/12/16–22 (Oral).
3. Group 9 Transition Metal Ate Complexes-Catalyzed Cross-Coupling Reactions via C–O and C–F Bond Cleavage.
Takanori Iwasaki, Nobuaki Kambe, The 2021 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2021): Activation of Strong Chemical Bonds for Organic Synthesis, Online, 2021/12/16–22 (Oral).
4. Reductive Coupling of Carbon Dioxide and an Aldehyde Mediated by a Copper(I) Complex toward the Synthesis of α -hydroxy Acids.
Koichiro Masada, Shuhei Kusumoto, Kyoko Nozaki, The 2021 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2021): Green Techniques for Organic & Medicinal Chemistry, Online, 2021/12/16–22 (Poster).
5. Metal–Ligand Cooperative C–H Bond Cleavage by Cyclopentadienone Iridium Complexes.
Takuya Higashi, Shuhei Kusumoto, Kyoko Nozaki, The 2021 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2021): Recent Advances in C–H Functionalization, Online, 2021/12/16–22 (Oral).
6. Umpolung of B–H Bonds by Metal–Ligand Cooperation with Cyclopentadienone Iridium Complexes.
Takuya Higashi, Shuhei Kusumoto, Kyoko Nozaki, The 2021 International Chemical

Congress of Pacific Basin Societies (PACIFICHEM 2021): Metal–Ligand Cooperation for bond activation, Online, 2021/12/16–22 (Oral).

7. Metal–ligand Cooperative C–H Bond formation by Hydroxycyclopentadienyl Platinum Complexes.

Takuya Higashi, Shuhei Kusumoto, Kyoko Nozaki, The 2021 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2021): Metal–Ligand Cooperation for bond activation, Online, 2021/12/16–22 (Poster).

8. Synthesis of Triptycenenemonohydroquinone via Comproportionation Reaction.

Yuta Takemasa, Kyoko Nozaki, The 2021 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2021): Designed π -Electronic Systems: Synthesis, Properties, Theory and Function, Online, 2021/12/16–22 (Poster).