

# 4th ICRéDD INTERNATIONAL SYMPOSIUM POSTER SESSION

## PRESENTERS, POSTER NUMBERS AND POSTER TITLES

March 12-13th, 2022

PRESENTER	No.	TITLE
Alberto Alexander Gayle	1	AI-Derived "Synthetic Data" Unlocks New Potentials
Kosuke Higashida	2	Use of Magnesium Anthracene Reductant for Nickel-catalyzed Homo-coupling of Aryl Ethers
Sheng Hu	3	GNN-based Molecular Graph Autocompletion
Tetsuya Yamamoto	4	Kinetics of mechanochemical reactions
Hajime Suzuki	5	Designing two-dimensional dodecagonal boron nitride
Yong You	6	Electrochemical Dearomative Carboxylation of Heteroaromatic rings Supported by DFT Calculations
Sunao Shoji	7	NIR emission of a Yb(III) tetranuclear complex with porphyrin sensitizer
Bharat Kumar Allam	8	Nickel-Catalyzed Decarboxylative C-Si Bond Formation: Direct Synthesis of $\alpha,\beta$ -Unsaturated Silanes
Wataru Matsuoka	9	Virtual-Ligand-Assisted Screening Strategy to Discover Enabling Ligands for Transition Metal Catalysis
Masaki Yoshida	10	Photoredox-catalyzed anti-Markovnikov addition of $\alpha$ -C-H bond of alcohols to vinylphosphonium bromides
Khanindram Baruah	11	Novel Mn-Based Metal Organic Framework Derived Metal Oxide And Their Application In Electrocatalytic ORR Process.
Mengfei Wang	12	Eu(III)-based Cancer Diagnosis: Monitoring Cancer Growth Using A Red Luminescent Europium(III) Complex
Dennis Chung-Yang Huang	13	N,N'-Disubstituted Indigos as Red-Light Photoswitches with Tunable Thermal Half-Lives
Hailong Fan	14	Cation- $\pi$ Interactions in Aqueous Solution: A Study Based on the Donnan Potential of Poly(cation- $\pi$ ) Hydrogel

PRESENTER	No.	TITLE
Satoshi Sakai	15	Silver-Catalyzed Asymmetric Aldol Reaction between Bulky Dialkyl Ketones and Isocyanacetamides
Kimichi Suzuki	16	Development of Multistructural Microiteration Technique with Electrostatic Embedding Scheme
Masamichi Imajo	17	Application of hydrogel technology to the control of pluripotent and cancer stem cell functions
Koji Tabata	18	Classification Problem under Impartial feedback
Takuma Ito	19	Kinetic simulation of an intramolecular Diels-Alder reaction based on a reaction path network and ab initio molecular dynamics
Tsuyoshi Mita	20	Automated Reaction-Path Search for Stereospecific Pericyclic Reactions by the Artificial Force Induced Reaction Method
Hiroki Hayashi	21	Computational Reaction Screening with Difluorocarbene for N-difluoroalkylative Dearomatization of Pyridines
Yutaka Nagahata	22	The hierarchy of observable reaction networks associated with observation time intervals
Kanami Sugiyama	23	Reaction path search of chemical reactions on Pt(111) surface: CO oxidation and methanol decomposition
Hitoshi Nabata	24	Systematic search for reaction pathways on oxide surface: A case study on the water gas shift reaction on TiO <sub>2</sub> (101) surface
Hideaki Takano	25	Photochemical Double Functionalization of Ethylene Gas Guided by Quantum Chemical Calculations
Wataru Kanna	26	Carboxylation of a Palladacycle: Reaction Design Driven by Quantum Chemical Calculation
Jean-Emmanuel Clément	27	Gaussian Weighted Background Correction Scheme for Hyperspectral Raman Data Preprocessing