

# 2<sup>ND</sup> ICR<sub>e</sub>DD INTERNATIONAL SYMPOSIUM POSTER SESSION

## PRESENTERS, POSTER NUMBERS AND POSTER TITLES

November 28, 2019, 12:30-14:00

CAFE SPACE  
on the 2<sup>nd</sup> floor

PRESENTER	N°	TITLE
<b>Koji Kubota</b>	<b>1</b>	Mechanoredox system for small molecules activation using ball milling
<b>WMC Sameera</b>	<b>2</b>	OH anions and OH radicals on amorphous ice: a combined experimental and quantum chemical study
<b>Yoshiaki Tsunekawa</b>	<b>3</b>	Theoretical analysis of the reaction path and mechanism for Zn(OTf) <sub>2</sub> -mediated annulations of N-propargylated tetrahydrocarboline
<b>Kyohei Kawashima</b>	<b>4</b>	DFT Investigations of Oxidative Kinetic Resolution of Racemic Secondary Alcohols Using Chiral Ligand-Hybridized Nitroxyl Radical/Copper Cooperative Catalysis
<b>Parantap Sarkar</b>	<b>5</b>	Modular syntheses of functional polyketones through selective monosilylation of 3,3-disubstituted pentane-2,4-diones
<b>Yuichi Kitagawa</b>	<b>6</b>	A highly-efficient blue-light excitable red phosphor: Eu(III) complex with stacked coronene frameworks
<b>Chong Liu</b>	<b>7</b>	Redox Cycle of NH <sub>3</sub> -SCR over Cu-CHA Zeolites: Insights from in Situ Spectroscopic Experiments and DFT Calculations
<b>Yutaka Nagahata</b>	<b>8</b>	The Hierarchy of Observable Reaction Networks Associated with Observation Time-intervals
<b>Hailong Fan</b>	<b>9</b>	Cation- $\pi$ Interactions in Aqueous Solution: A Study Based on the Donnan Potential of Poly(cation- $\pi$ ) Hydrogel
<b>Hitoshi Nabata</b>	<b>10</b>	Systematic search for crystal structures under ultrahigh pressure: A case study on dioxides of group 14 elements (CO <sub>2</sub> , SiO <sub>2</sub> , GeO <sub>2</sub> )
<b>Mingoo Jin</b>	<b>11</b>	Correlation between macro-scale mechanical properties and molecular dynamics in phosphorescent crystal
<b>Tasrina Munmun</b>	<b>12</b>	Complete, rapid and reversible regulation of the motility of a nanobiomolecular machine using trimethylamine-N-oxide
<b>Akira Hirota</b>	<b>13</b>	Development of synthetic polymer gels that control the function of pluripotent stem cells

PRESENTER	Nº	TITLE
<b>Yuugo Okamoto</b>	<b>14</b>	Theoretical investigations of Nickel-catalyzed 1,2-migratory decarbonylation of N-acylbenzimidazole
<b>MD Jahidul Islam</b>	<b>15</b>	Crystallization and bandgap tuning of methylammonium lead halide perovskites by laser trapping
<b>Bethmini Senevirathne</b>	<b>16</b>	H and D atom diffusion on Interstellar ices
<b>Koji Tabata</b>	<b>17</b>	Bandit-Feedback Algorithm for Chemical Application
<b>Ronald Reyes</b>	<b>18</b>	Rhodium-catalyzed Asymmetric Borylation of N-adjacent C(sp <sup>3</sup> )-H Bonds
<b>Tasuku Nakajima</b>	<b>19</b>	Stress Responsive Disulfide Bond Reduction in Tough Double Network Hydrogels
<b>Sonu Kumar</b>	<b>20</b>	Heterogeneous catalyst assisted oxidative dehydrogenation of ethylbenzene to styrene
<b>Andrey Lyalin</b>	<b>21</b>	Catalytic functionalization of the inert h-BN
<b>Yohei Shimizu</b>	<b>22</b>	Boron Catalyst and Visible Light-Driven $\alpha$ -Allylation of Carboxylic Acids
<b>Taichi Shoumura</b>	<b>23</b>	Comparison of reaction paths of H <sub>2</sub> + O <sub>2</sub> reaction on Au(111), Pt(111), Pd(111) and Cu(111) surfaces
<b>Muthuchamy Murugavel</b>	<b>24</b>	Synthesis of cyclic conjugated polyimines
<b>Masamichi Imajo</b>	<b>25</b>	Dynamic control of cell proliferation signals in intestinal tumorigenesis