Posters *(17:10-18:10, February 20)**:***

1. Identification and structural characterization of metal-oxide powders with energy-resolved density of electron traps
   Akio Nitta
   Hokkaido University, Japan
2. Theoretical study of selective mechanochemical activation in chitin hydrolysis
   Danjo De Chavez
   Hokkaido University, Japan
3. Multielectron-transfer mechanism in heterogeneous photocatalysis based on light-intensity dependence analysis
   Shugo Takeuchi
   Hokkaido University, Japan
4. Photo-induced β-elimination of an alcohol leading to a vinyl monomer
   Hassan Nageh
   Hokkaido University, Japan
5. Organic-inorganic hybrid complexes prepared using gallic acid derivatives toward transparent film with high grass transition temperature
   Kanako Aoki
   Hokkaido University, Japan
6. Photocatalytic properties of TiO_2-coated Au nanoshells
   Kanjiro Torigoe
   Tokyo University of Science, Japan
7. Reductive transformations of CO_2, carboxylic acids and amides into chemicals
   Ken-ichi Shimizu
   Hokkaido University, Japan
8. Single and dual-modified titania photocatalysts with noble metals for improvement of their photocatalytic performance
   Kenta Yoshiiri
   Hokkaido University, Japan
9. Ultrafast XAFS studies on the photoabsorption processes
   Kiyotaka Asakura
   Hokkaido University, Japan
10. Synthesis of carbon catalyst with vicinal carboxylic acid groups as active sites
    Lina Mahardiani
    Hokkaido University, Japan
11. Photocatalytic properties of Ti_xCu_y nanotubes arrays obtained via anodic oxidation
    Magda Kozak
    University of Gdansk, Poland
12. Theoretical study of palladium-catalyzed asymmetric hydrosilylation of styrene with helical poly(quinoxaline-2,3-diyl) chiral phosphine ligand
    Manusada Ratanasak
    Hokkaido University, Japan
13. The effect of ionic liquid anion type on the surface properties and photoactivity of TiO_2 particles
    Marta Paszkiewicz-Gawron
    University of Gdansk, Poland

14. Incorporation of multinuclear copper active sites into nitrogen-doped carbon for electrochemical oxygen reduction
    Masaru Kato
    Hokkaido University, Japan
15. Development of plasmonic photocatalysts with enhanced antimicrobial activity
    Maya Endo
    Hokkaido University, Japan
16. Selective FDCA formation from HMF by CeO_2-supported Au catalyst
    Minjune Kim
    Hokkaido University, Japan
17. Possibility of multi atom resonance X-ray raman spectroscopy - a new operando low Z-element XAFS method
    Natee Sirisit
    Hokkaido University, Japan
18. Co-catalytic action of non-noble metal deposits on titania photocatalyst for multielectron oxygen reduction
    Peng Wang
    Hokkaido University, Japan
19. Few-layer graphene-TiO_2 composite photocatalysts for hydrogen production from methanol-water solution
    Rei Mizuno
    Muroran Institute of Technology, Japan
20. Sensing of singlet oxygen using intramolecular electron donor-acceptor dyads
    Reiko Kohara
    Hokkaido University, Japan
21. Effect of Pt supported hydrophobic mesoporous silica on oxidation of ethylene at low temperature
    Shazia Sharmin Satter
    Hokkaido University, Japan
22. Effects of Ag incorporation of in the Cu_2ZnSnS_4 thin film on its photovoltaic and photoelectrochemical performances
    Shigeru Ikeda
    Konan University, Japan
23. Mechanism and kinetic studies on oxidative decomposition of acetic acid on a bismuth-modified titania photocatalyst
    Shunsuke Shiba
    Hokkaido University, Japan
24. Fate of charge carrier dynamics in perovskite nanocrystal thin films
    Sushant Ghimire
    Hokkaido University, Japan
25. Synthesis and electrochemical oxygen reduction reaction activity of Pt–Ni alloy nanowires
    Tianchi Li
    Hokkaido University, Japan
26. Reverse water gas shift reaction using SILP type catalyst
    Tomohiro Yasuda
    Hokkaido University, Japan

27. Reaction mechanism of DMC formation from CO_2 and methanolover CeO_2: a DFT study
    Toshiyuki Sugiyama
    Hokkaido University, Japan
28. Aggregate formation of a near-infrared dye leading to characteristic photo excitation and emission behaviors
    Yue Wang
    Hokkaido University, Japan
29. Application of fluorescence XAFS using a BCLA to model fuel cell catalysts
    Yuki Wakisaka
    Hokkaido University, Japan
30. Interparticle charge transfer for methanol dehydrogenation on platinum-loaded titania particles prepared from P25
    Kunlei Wang
    Hokkaido University, Japan
31. Effect of the precursor on hydrogenation and visible photocatalytic performance of TiO_2
    Lijuan Han
    Gansu Natural Energy Institute, China