

C-2 Catalyst / Battery

Representative Organizer

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Poster Session March 27 (Fri.) 16:45 ~ 18:00

- 16:45 C2-P-01 **Direct Decomposition of NO Over CeO₂-Doped Ba/Y₂O₃ Catalyst**
¹Yasuyuki Doi, ²Masakuni Ozawa, ¹Masaaki Haneda
1 ADVANCED CERAMICS RESEARCH CENTER, NAGOYA INSTITUTE OF TECHNOLOGY
2 ECOTOPIA SCIENCE INSTITUTE, NAGOYA UNIVERSITY
- 16:45 C2-P-02 **Influence of Particle Morphology on the Catalytic Performance of CeO₂/ZrO₂ for Soot Oxidation**
Rikiya Taguchi, Masatomo Hattori, Masaaki Haneda
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- 16:45 C2-P-03 **Catalytic Activity of Au/Pd Nanoparticles for Reduction of *p*-Nitrophenol**
¹Laongnuan Srisombat, ¹Nopphadol Udumluck, ¹Jeeran Nonkumwong, ²Supon Ananta
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2 DEPARTMENT OF PHYSICS AND MATERIALS SCIENCE, FACULTY OF SCIENCE, CHIANG MAI UNIVERSITY
- 16:45 C2-P-04 **Microstructure and Raman Spectra of Carbon Deposited on Nickel Foam by Chemical Vapor Deposition with Different Ni Catalyst Seed**
^{1,2}Hsi-Chao Chen, ¹Yin-Cheng Wang, ²Kuo-Ting Huang, ^{1,2}Chien-Sheng Huang
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- 16:45 C2-P-05 **Carbon Nanowalls as Potential High Power Anode for Li-Ion Microbatteries**
¹Gemma Rius, ²Jijeesh R Nair, ²Matteo Destro, ²Pravin Jagadale, ³Masamichi Yoshimura, ²Alberto Tagliaferro, ²Claudio Gerbaldi
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2 POLITECNICO DI TORINO
3 TOYOTA TECHNOLOGICAL INSTITUTE
- 16:45 C2-P-06 **Effect of Processing Parameter on the Microstructure and Photocatalytic Property of Plasma Electrolytic Oxidation Coatings on Pure Titanium**
²Tzu-Yao Lin, ¹Wei-Ju Chen, ¹Yu-Jie Chang, ^{2,3,4}Jyh-Wei Lee, ⁵Bih-Show Lou
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4 DEPARTMENT OF ELECTRONIC ENGINEERING, CHUNG GUNG UNIVERSITY
5 CHEMISTRY DIVISION, CENTER FOR GENERAL EDUCATION, CHANG GUNG UNIVERSITY
- 16:45 C2-P-07 **Surface Modifications of Graphite as Anode in Lithium-Ion Battery**
Wei-Ting Pan, Jarm-Horng Lin
DEPARTMENT OF MATERIALS SCIENCE, NATIONAL UNIVERSITY OF TAINAN

- 16:45 C2-P-08 **Rhenium-Doped MoS₂ Catalyst for Oxygen Reduction Reaction**
¹Chi-Han Yao, ²Hsin-Yueh Chang, ¹Wei-Jih Su, ¹Jia-Rong Zhang, ²Po-Hung Wu, ³Hung-Pin Hsu,
^{1,2}Ying-Sheng Huang, ^{1,2}Kuei-Yi Lee
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3 DEPARTMENT OF ELECTRONIC ENGINEERING, MING CHI UNIVERSITY OF TECHNOLOGY
- 16:45 C2-P-09 **Luminescence and Raman Spectroscopic Study of Eu-Doped Ceria Zirconia Catalytic Nanoparticles**
 Yusuke Yoshimura, Katsutoshi Kobayashi, Masakuni Ozawa
ECOPTIA SCIRNCE INSITITUTE, NAGOYA UNIVERSITY
- 16:45 C2-P-10 **Enhanced Stability and Activity for ORR (Oxygen Reuction Reaction) on Porous SnO₂ Nano Foam Supported Pt Electrocatalysts**
¹Jun Kang, ²Jeun Jeong Hoon, ³Hong Seong Hyeon
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2 SK INNOVATION GLOBAL TECHNOLOGY
3 DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING, SEOUL NATIONAL UNIVERSITY
- 16:45 C2-P-11 **Photocatalytic Activity and Improved Stability of Nitrogen Doped Titanium Oxide Loaded with Cu or Fe**
¹Shu Saeki, ¹Koyu Aoki, ²Takeshi Ohwaki, ¹Takeshi Morikawa
1 TOYOTA CENTRAL RESEARCH AND DEVELOPMENT LABORATRY S INC.
2 DEPARTMENT OF APPLIED CHEMISTRY, MEIJO UNIVERSITY
- 16:45 C2-P-12 **Effect of pH on Hydrothermal Preparation of Visible-Light-Driven Square Bi₂WO₆ Nanoplates Photocatalyst by Hydrothermal Method**
 Anukorn Phuruangrat
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- 16:45 C2-P-13 **Less Common Metals, Cerium and Rare Earths, and Their Reducing Technology in Automotive Catalyst**
¹Masakuni Ozawa, ²Masaaki Haneda
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2 ADVANCED CERAMICS RESEARCH CENTER, NAGOYA INSTITUTE OF TECHNOLOGY
- 16:45 C2-P-14 **Oxygen and Hydrogen Storage-Release Properties of Pd and Ceria-Zirconia Nanoparticles Composite**
 Hitoshi Kato, Katsutoshi Kobayashi, Masakuni Ozawa
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- 16:45 C2-P-15 **Zr-Pd Based Glassy Alloys and Their Deriatives for Possible Catalytic Functional Materials**
¹Masakuni Ozawa, ¹Siro Kato, ¹Toshinobu Yogo, ¹Katsutoshi Kobayashi, ²Shin-ichi Yamamura
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2 INSITITUTE FOF MATERIALS RESEARCH, TOHOKU UNIVERSITY
- 16:45 C2-P-16 **Photocatalytic Acetoaldehyde Removal Catalyst of Nanoparticle TiO₂ Pillared Mica Composite**
¹Masakuni Ozawa, ²Hideki Matsui
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2 NAGOYA INSTITUTE OF TECHNOLOGY
- 16:45 C2-P-17 **Oxygen Storage Capacity and Three Way Catalytic Properties of Platinum/Ceria-Zirconia Modified Alumina Model Catalyst**
¹Masakuni Ozawa, ²Takahiro Okouchi, ²Masaaki Haneda
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