

D-4 Biosurface

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Madoka TAKAI (Tokyo University)

Poster Session March 30 (Mon.) 11:15 ~ 12:30

- 11:15 D4-P-01 **Graphite Oxide/Cellulose Beads for DNA Extraction Applications**
¹Garbis Atam Akceoglu, ²Oi Lun Li, ³Nagahiro Saito
1 DEPARTMENT OF MATERIALS, PHYSICS AND ENERGY ENGINEERING, NAGOYA UNIVERSITY
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3 ECOTOPIA SCIENCE INSTITUTE, NAGOYA UNIVERSITY
- 11:15 D4-P-02 **Fabrication and Plasma Surface Modification of 3D Chitosan/Hydroxyapatite Scaffolds by Additive Manufacturing System**
Sung-Woon Myung, Yeong-Mu Ko, Byung-Hoon Kim
DEPARTMENT OF DENTAL MATERIALS, MRC, CHOSUN UNIVERSITY
- 11:15 D4-P-03 **Preparation of Organic/Inorganic Hybrid Nanofibers by Electrospinning Method**
Chintya Effendi, Meng-Jiy Wang
DEPARTMENT OF CHEMICAL ENGINEERING, NATIONAL TAIWAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
- 11:15 D4-P-04 **Discharge Characteristics of Argon and Helium Dielectric Barrier Discharges for Irradiation of Lipid Bilayer Membrane**
¹Yoshiyuki Suda, ¹Ryuma Yamashita, ¹Kota Yusa, ¹Hirofumi Takikawa, ²Akinori Oda, ^{3,4}Ryugo Tero
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- 11:15 D4-P-05 **Study on Removal of *E. coli* Using Packed Bed Reactor in Aqueous Solution**
Yuki Taino, Takuma Sugano, Yudai Takeda, Hirofumi Kurita, Hachiro Yasuda, Kazunori Takashima, Akira Mizuno
DEPARTMENT OF ENVIRONMENTAL AND LIFE SCIENCES, TOYOHASHI UNIVERSITY OF TECHNOLOGY
- 11:15 D4-P-06 **A Novel Gene Transfection of Mammalian Cells Using a Water-in-Oil Droplet in an Electrostatic Field**
¹Shota Takahashi, ¹Yasuhiro Takao, ¹Hirohumi Kurita, ^{1,2}Rika Numano, ¹Kazunori Takashima, ¹Akira Mizuno
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- 11:15 D4-P-07 **Enhancement the Sensitivity of Optical Fiber Gas Sensor by Surface Treatment**
¹Kouta Izawa, ^{1,2}Oi Lun Helena Li, ^{1,2,3,4}Nagahiro Saito
1 DEPARTMENT OF MATERIALS, GRADUATE SCHOOL OF ENGINEERING, NAGOYA UNIVERSITY
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- 11:15 D4-P-08 **Surface Functionalization of Carbon Nanotubes by NH₃/Ar/N₂ Plasma for Bio-Immobilization**
¹Jaemin Lee, ²Ki Ha Min, ²Seung Pil Pack, ³Kwangsoo Kim, ¹Kwang-Ho Kwon
1 DEPARTMENT OF CONTROL AND INSTRUMENTATION ENGINEERING, KOREA UNIVERSITY
2 DEPARTMENT OF BIOTECHNOLOGY AND BIOINFORMATICS, KOREA UNIVERSITY
3 DEPARTMENT OF ELECTRONIC ENGINEERING, SOGANG UNIVERSITY
- 11:15 D4-P-09 **Adsorption Behavior of Polyelectrolyte onto Hydrophobic and Hydrophilic Surface**
^{1,2}Takamasa Mori, ¹Kenta Kitamura
1 DEPARTMENT OF CHEMICAL SCIENCE AND TECHNOLOGY, HOSEI UNIVERSITY
2 HOSEI UNIVERSITY RESEARCH INSTITUTE FOR SLURRY ENGINEERING
- 11:15 D4-P-10 **Formation and Deformation of Inclusion Complex of Cyclodextrin Derivatives Immobilized onto the Self-Assembled Phospholipid Layer Fabricated on Hydrophobic Polymer Surface by Plasma-Assisted Method**
¹Shin-ichi Kondo, ¹Tatsuya Kusumoto, ¹Kazuki Takashima, ¹Yasushi Sasai, ²Yukinori Yamauchi, ³Masayuki Kuzuya
1 LABORATORY OF PHARMACEUTICAL PHYSICAL CHEMISTRY, GIFU PHARMACEUTICAL UNIVERSITY
2 DEPARTMENT OF PHARMACEUTICAL PHYSICAL CHEMISTRY, COLLEGE OF PHARMACEUTICAL SCIENCES, MATSUYAMA UNIVERSITY
3 DEPARTMENT OF HEALTH AND WELFARE, FACULTY OF HUMAN WELFARE, CHUBU GAKUIN UNIVERSITY
- 11:15 D4-P-11 **Surface Modification by Nano-Phase Separation Using Amphiphilic Block Copolymer for the Immunoassay Using Surface Plasmon Resonance**
¹Yusuke Chimura, ¹Keiichiro Kushiro, ²Suzuyo Inoue, ²Katsuyoshi Hayashi, ²Yuzuru Iwasaki, ¹Madoka Takai
1 DEPARTMENT OF BIOENGINEERING, THE UNIVERSITY OF TOKYO
2 NTT DEVICE TECHNOLOGY LABORATORIES
- 11:15 D4-P-12 **Study on Anodized Magesium Alloy for Biocompatibility**
S.J.Kwon, J.Y.Hur, H.K.Lee
KOREA INSTITUTE OF INDUSTRIAL TECHNOLOGY
- 11:15 D4-P-13L **Surface-Modified PVDF Membrane with Pseudo-Zwitterionic Materials by Atmospheric-Pressure Plasma for Anti-Biofouling Application**
Hsiao-Lin Shih, Pei-Chien Lin, Ta-Chin Wei
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