Contributed Oral

O-1 Hidetaka Asoh (Kogakuin University)

Site-Selectivity of Anodic Film Formation by Bipolar Anodization

O-2 Lina Sepulveda (University of Pardubice)

Wireless Anodization for the Preparation of TiO_2 Nanotube Layers

O-3 Agnieszka Gabryelczyk (Guangdong Technion - Israel Institute of Technology)

Electrochemical impedance spectroscopy for characterization of TiO_2 thin layers: semiconducting and corrosion properties

O-4 Mustaffa Ali Azhar Bin Taib (Pusat Latihan Teknologi Tinggi (ADTEC) Taiping)

The grassy structure of anodized TiO_2 nanotubes

O-5 Jae H. Kim (Korea Institute of Materials Science)

Effect of the Morphology of Titanium Oxide Layers Formed by Anodizing on Electrical Conductivity and Corrosion Resistance in Strong Acidic Environments

O-6 Sumin Lee (Pukyong National University)

Anti-icing Surface System of Ti-6Al-4V Alloy for Aircraft Using Anodization

O-7 Peng Wang (Nagoya Institute of Technology)

Effects of Organic Additives on the Fabrication and Characteristics of Nanoporous TiO_2-TiO-TiN films in Nitric-based Solution for LIB Anodes

O-8 Syahriza Ismail (Universiti Teknikal Malaysia Melaka)

Synthesis of Crystalline ZrO_2 Nanotubes (ZNTs): Double Layer Formation Mechanism During Fluoride-Based Anodization

O-9 Aleksandra Baron-Wiechec (Guangdong Technion - Israel Institute of Technology)

Porosity initiation mechanism in barrier-type alumina anodic film studied using ^{18}O tracer and Nuclear Reaction Analysis

O-10 David Quintero (Hokkaido University)

Microstructure evolution of high-purity aluminum under different heat treatment temperatures and its influence on crystalline anodic layer formation for solid polymer capacitor applications

O-11 Yuxin Jing (University of Yamanashi)

High Performance Aluminum Solid Electrolytic Capacitors using Self-doped Poly(3,4-ethylenedioxythiophene)

O-12 Artur Rudowicz (Warszawski Instytut Technologiczny)

Green Anodizing of AA2024 with Organic Acids: Correlation Between Anodic Layers and Sol-Gel Coatings

O-13 Masatoshi Sakairi(Hokkaido University)

Area-selective formation of porous alumina with solution flow type micro-droplet cell

O-14 Adane Ayalew (Hokkaido University)

Efficient fabrication of through-hole porous anodic alumina membrane by 3D printed SF-MDC

O-15 Takashi Yanagishita (Tokyo Metropolitan University)

Fabrication of Ordered Nanohole Arrays by Two-Step Anodization of Stainless-Steel Substrates

O-16 Mana Iwai (Hokkaido University)

A Perchloric Acid-Free Electrolyte for Electropolishing of Aluminum Substrate: Sodium Chloride and Glycol Solutions

O-17 Malgorzata Norek (Military University of Technology)

Porous anodic alumina photonic crystals: controlling photonic properties across a broad spectral range

O-18 Maria Arenas (Centro Nacional de Investigaciones Metalúrgicas)

Anodizing Aluminium alloys in F-solutions

O-19 Junji Nunomura (UACJ corporation)

Quantitative evaluation of heat-induced cracks in anodic oxide film on aluminum using cathodic polarization curves

O-20 Chika Tanaka (Okuno Chemical Industries)

Hard Anodizing Process of Aluminum with High Thermal Cracking Resistance

O-21 Sachiko Ono (Kogakuin University)

Nanostructure Analysis of Anodic Film Formed on Aluminum after Nickel Salt Sealing

O-22 Xiaopei Li (Fujian Normal University)

Multifunctional composite coating on Mg alloy based on anodized film

O-23 Manuel Hofinger (Johannes Kepler University Linz)

On the corrosion influence of anodization in a Magnesium-Ytterbium thin-film library

O-24 Erli Lin (Nagoya Institute of Technology)

Fabrication of Mg-Si-W-O Composite Oxide Films on Magnesium Alloys by Hybrid Anodization for Enhanced Corrosion Resistance

O-25 Ana Conde (Centro Nacional de Investigaciones Metalúrgicas)

Antimicrobial surface treatments to prevent indirect transmissions

O-26 Toshiaki Yasui (Toyohashi University of Technology)

Plasma Electrolytic Oxidation of Selected Area by Pulsed Laser Irradiation

O-27 canceled

O-28 Piotr Zabinski (AGH University of Krakow)

The role of oxide layer on catalytical performance new strategy for high entropy oxides application

O-29 Katarzyna Skibinska (AGH University of Krakow)

Evolution of Properties of High-Entropy Oxides fabricated by anodization of High-Entropy Alloys

O-30 Zainovia Lockman (Universiti Sains Malaysia)

Comparative Study and Assessment of Anodic Films on Ti, Ni, and TiNi Alloys for Photocatalytic Degradation of Dyes

O-31 Dawid Kutyla (AGH University of Krakow)

Synthesis and Evaluation of Urea Electrooxidation Activity of Ni-Pt and Ni-Ir Porous Alloys Obtained by Molten Salts Electrodeposition

O-32 Tomoya Nagao (Hokkaido University)

Investigation of Activity Factors in Fe-Co-Ni Alloy Electrode Catalysts for Alkaline Water Electrolysis Prepared by Anodizing

O-33 Yoshiki Konno (Kyoto Municipal Institute of Industrial Technology and Culture)

Formation of Porous Anodic Films on Electroplated Fe-Ni and their Electrocatalytic Properties for Oxygen Evolution

Poster **June 3 (Tue), 17:00~**

P-1 Kazuhiro Nagahara (Nippon Chemi-Con Corporation)

Development of a 450V High-Voltage Aluminum Polymer Capacitor

P-2 Takumi Ambe (Hokkaido University)

Effect of pore size and porosity of porous alumina on the breakdown voltage of conductive polymer solid capacitors

P-3 Sho Ishiwata (Kogakuin University

Anodization of Aluminum in Sodium Borate Solution Containing Glycerol at 85°C

P-4 Junichi Wada (Sakamoto Yakuhin Kogyo)

Properties of Barrier Type Anodic Alumina Film Formed in Phosphate Solution with Polyglycerol Addition

P-5 Boman Wang (Tokyo Metropolitan University)

Fabrication of Ideally Ordered Anodic Porous Alumina with Large Interpore Distances

P-6 Hsuan-Lin Hsieh (Hokkaido University)

Fabrication of Porous Anodic Aluminum Oxide Films by Anodizing in Trisodium Phosphate Solution for Injection Molding Applications

P-7 Katarzyna Tomczyk (Military University of Technology)

Sulfuric citric anodizing as a chromates-free anodizing of aluminum alloys

P-8 Ryunosuke Satake (Kogakuin University)

Effect of Type and Concentration of Electrolyte on Film Formation Efficiency in Bipolar Anodization of Aluminum

P-9 Mayuno Kuroiwa (Tokyo Metropolitan University)

Fabrication of Large Alumina Masks by Multistep Anodization and Application to the Formation of Metal Nanodot Arrays

P-10 Aika Hamada (Tokyo Metropolitan University)

Preparation of Alumina Membrane Filters with Framework Structures

P-11 Masahiro Kotani (HAMAMATSU PHOTONICS)

Application of through-hole porous alumina membrane for SALDI chips in mass spectrometry

P-12 Takanori Matsubara (College of Industrial Technology)

Melanin-Based Black Dyeing of Anodized Aluminium with High Light Fastness

P-13 Runyang Yu (Guangdong Technion-Israel Institute of Technology)

Electrochemical impedance spectroscopy for characterization of TiO_2 thin layers: semiconducting and corrosion properties

P-14 Kyoichi Kohashi (Tokyo Metropolitan University)

Control of Pore Sealing in Anodic Porous Alumina by TiO_2 Thin Film Formation Using ALD

P-15 Amon Kitayama (Kitami Institute of Technology)

Optimization of anodizing duration in pulsed anodization of NiTi alloys

P-16 Mitsunobu Iwasaki (Kindai university)

Preparation of $(Ba,Sr)(Zr,Ti)O_3$ films by anodic oxidation of titanium under spark discharge conditions

P-17 Yoichi Mori (Kurimoto)

Wear-resistant coatings formed by plasma electrolytic oxidation

P-18 Fumiaki Ishigure (ULVAC)

Development of Micro Arc Oxidation treatment for vacuum equipment

P-19 Juan Manuel Manuel (Universidad Autónoma de Nuevo León)

Study of the effect of substrate geometries on the characteristics of copper oxides obtained by anodizing

P-20 Rajeena Uruniyengal (Military University of Technology)

Electrochemical oxidation of CuAg(3%) alloy in alkaline electrolyte

P-21 Wojciech Aniol (Military University of Technology)

Electrochemical oxidation of brasses

P-22 Kazuyuki Nishio (Tokyo University of Technology)

Formation of nanoporous anodic gold oxide films and spontaneous reduction to nanoporous gold

P-23 Chien-Liang Lee (National Kaohsiung University of Science and Technology)

Anodic Intercalation Preparation of Defective Graphene Nanosheets for Supporting Pt nanocatalysts toward Glucose Oxidation Reactions

P-24 Tatsuya Ohki (Haier Asia R&D)

The Study of Carbon-Nanotube Added Surface Treatment-CAST-

P-25 Nozomi Hibino (Kogakuin University)

X-ray Fluorescence Analysis of Elements in Solution Using Drip Substrates Having Nanoporous Structure Formed by Anodic Etching and Anodization

P-26 Kengo Kimura (Aichi Institute of Technology)

3D micron- to millimeter-sized structure fabrication of single crystal Si by etching in extremely alkaline concentration solution containing graphite

P-27 Riku Tanaka (University of Hyogo)

Metal-Assisted Etching of Highly Doped p-Type Silicon Using Platinum Particles: Effect of Hydrofluoric Acid Concentration in Etching Solution

P-28 Takuma Nakayama (University of Hyogo)

Metal-Assisted Etching of p-Si Using Thin Film Patterns of Pt, Ag, and Pt/Ag Double Layer