

2015

- * S. Ono, T. Masuda and H. Asoh

Nanoporous α -Alumina Membrane Prepared by Anodizing and Heat Treatment
The VII Aluminium Surface Science & Technology Symposium (ASST 2015)
(Madeira Island, Portugal, 5/19, 2015)

- * S. Ono and H. Asoh

Control of Metal Deposition in Porous Anodic Alumina Film
The VII Aluminium Surface Science & Technology Symposium (ASST 2015)
(Madeira Island, Portugal, 5/18, 2015) Abstract ID 127

- * S. Ono, T. Masuda and H. Asoh

Crystallization Process of Anodic Alumina Membrane by Heating (Invited lecture)
International Seminar on the Surface, Passivity, and Corrosion of Metals
(Trondheim-Tromsø, Norway, 1/18, 2015)

2014

- * S. Ono and H. Asoh

Fabrication of High-Aspect-Ratio Nanostructure of Semiconductor by Wet Etching
Using Sphere Photolithography (Invited lecture)
The 13th International Symposium on Advanced Technology (ISAT 13)
(Danang, Vietnam, 11/14, 2014) Proceedings p.1-2

- * H. Asoh, T. Masuda and S. Ono

α -Alumina Membrane Derived from Anodic Porous Alumina through Heat Treatment
10th International Symposium on Electrochemical Micro & Nanosystem Technologies
(EMNT 2014)
(Okinawa, Japan, 11/8, 2014) Abstracts ID.3B2-05

* Y. Suzuki, H. Asoh and S. Ono

Fabrication of Ordered Microstructure on III-V Semiconductor by Metal-Assisted Chemical Etching

10th International Symposium on Electrochemical Micro & Nanosystem Technologies (EMNT 2014)

(Okinawa, Japan, 11/6, 2014) Abstracts ID.P-012

* S. Ono and H. Asoh

Nano/Micro-Structuring of III-V Semiconductors by Wet Etching and their Application (Invited lecture)

10th International Symposium on Electrochemical Micro & Nanosystem Technologies (EMNT 2014)

(Okinawa, Japan, 11/6, 2014) Abstracts ID.P-011

* D. Ito, H. Asoh and S. Ono

Fabrication of High-Aspect-Ratio GaAs Nanowires by Anodic Etching and Their Electron Emission Property

10th International Symposium on Electrochemical Micro & Nanosystem Technologies (EMNT 2014)

(Okinawa, Japan, 11/6, 2014) Abstracts ID.1B2-11

* M. Shima, K. Tsutsumi¹, K. Yazawa, M. Hashimoto, T. Kanazawa, N. Endo, H. Hashiguchi, M. Kadoi, T. Suzuki, H. Onodera, H. Asoh and S. Ono

Chemical State Analyses of Aluminum, Anions and Residual H₂O in Anodic Oxide Films Formed on Aluminum in a Sulfuric or Oxalic Acid Solution

The 7th International Symposium on Surface Science (ISSS-7)

(Shimane, Japan, 11/6, 2014) Abstracts ID. 69N-29

* Anawati, H. Asoh and S. Ono

Improvement of Corrosion Resistance and Bioactivity of AM60 Magnesium Alloys by Alloying with Ca and Subsequent Anodizing

19th International Corrosion Congress (19th ICC)

(Jeju, Korea, 11/5, 2014) Abstracts p.81

* D. Ito, H. Asoh and S. Ono

Fabrication of High-Aspect-Ratio GaAs Nanowires by Anodic Etching and Their Electron Emission Property

The 1st Innovation Forum of Advanced Engineering Education (1st IFAEE)
(Tokyo, Japan, 11/2, 2014) Abstracts p.70

* A. Kurihara, H. Asoh and S. Ono

Structure and Corrosion Resistance of Multilayered Anodic Oxide Film Formed on Magnesium

The 1st Innovation Forum of Advanced Engineering Education (1st IFAEE)
(Tokyo, Japan, 11/2, 2014) Abstracts p.64

* Y. Suzuki, H. Asoh and S. Ono

Fabrication of Ordered Microstructure on III-V Semiconductor by Chemical Etching with Noble Metal

The 1st Innovation Forum of Advanced Engineering Education (1st IFAEE)
(Tokyo, Japan, 11/2, 2014) Abstracts p.55

* S. Ono

Seeing is Believing: Nanostructure of Anodic Alumina Film (Invited lecture)
15th Technical Symposium of the International Hard Anodizing Association (IHAA 2014)

(New York, USA, 9/25, 2014) Abstracts p.3

* H. Asoh and S. Ono

Formation of Nanoporous Oxide Film on Stainless Steel by Anodizing in Sulfuric Acid Containing Hydrogen Peroxide

65th Annual Meeting of the International Society of Electrochemistry (ISE 2014)
(Lausanne, Switzerland, 9/3, 2014) Abstracts p.1902

* Y. Suzuki, H. Asoh and S. Ono

Photoetching of InP with Noble Metal Catalyst

65th Annual Meeting of the International Society of Electrochemistry (ISE 2014)
(Lausanne, Switzerland, 9/2, 2014) Abstracts p.1495

* S. Ono, T. Masuda and H. Asoh

Cell Morphology of Anodic Porous Alumina Films

65th Annual Meeting of the International Society of Electrochemistry (ISE 2014)

(Lausanne, Switzerland, 9/2, 2014) Abstracts p.426

* Y. Suzuki, H. Asoh and S. Ono

Fabrication of InP Line Pattern by Metal Assisted Chemical Etching under UV Irradiation

2nd International Symposium on Anodizing Science and Technology (AST 2014)

(Sapporo, Japan, 6/5, 2014) Abstracts p.120

* T. Masuda, H. Asoh and S. Ono

Crystallization Process of Anodic Nanoporous Alumina Membrane by Heat Treatment

2nd International Symposium on Anodizing Science and Technology (AST 2014)

(Sapporo, Japan, 6/5, 2014) Abstracts p.96

* M. Shima, K. Tsutsumi, K. Yazawa, M. Hashimoto, T. Kanazawa, N. Endo, H.

Hashiguchi, T. Suzuki, H. Onodera, H. Asoh and S. Ono

Chemical State Analyses of Anodic Oxide Films on Aluminum in a Sulfuric Acid and Oxalic Acid Solution before and after Sealing

2nd International Symposium on Anodizing Science and Technology (AST 2014)

(Sapporo, Japan, 6/5, 2014) Abstracts p.91

* K. Tsutsumi, M. Shima, K. Yazawa, M. Hashimoto, T. Kanazawa, N. Endo, H.

Hashiguchi, H. Onodera, T. Suzuki, H. Asoh and S. Ono

Nano-structural Analysis of Anodic Oxide Film on Aluminum before and after a Sealing Treatment in Boiling Water

2nd International Symposium on Anodizing Science and Technology (AST 2014)

(Sapporo, Japan, 6/5, 2014) Abstracts p.90

* Y. Mori, A. Koshi, J. Liao, H. Asoh and S. Ono

Compositions and Corrosion Behavior of Plasma Electrolytic Oxide Coatings on AZ31B Mg Alloy Produced with Phosphate - Silicate Mixture Electrolyte

2nd International Symposium on Anodizing Science and Technology (AST 2014)

(Sapporo, Japan, 6/5, 2014) Abstracts p.83

* H. Asoh and S. Ono

Fabrication of InP Microhole Arrays by Site-selective Anodic Etching and Subsequent Chemical Etching

2nd International Symposium on Anodizing Science and Technology (AST 2014)
(Sapporo, Japan, 6/5, 2014) Abstracts p.61

* Anawati, H. Asoh and S. Ono

Effect of Ca on Corrosion Resistance and Bioactivity of Anodic Oxide Film Formed on Mg-6Al and Mg-6Al-1Zn Alloys

2nd International Symposium on Anodizing Science and Technology (AST 2014)
(Sapporo, Japan, 6/4, 2014) Abstracts p.49

* S. Ono, K. Sugawara, S. Kotaka and H. Asoh

Growth Mechanism of Self-Ordered Porous Anodic Films on III-V Semiconductors
(Invited lecture)

2nd International Symposium on Anodizing Science and Technology (AST 2014)
(Sapporo, Japan, 6/4, 2014) Abstracts p.29

* S. Ono

Recent Advances in Sealing of Anodic Oxide Films Formed on Aluminum (Invited lecture)

9th International Materials Technology Conference and Exhibition
(Kuala Lumpur, Malaysia, 5/14, 2014)

* S. Ono and H. Asoh

Effect of Nanotopography of Aluminum Surface and Crystal Orientation on Pore Initiation of Anodic Porous Alumina

15th Topical Meeting of the International Society of Electrochemistry
(Niagara Falls, Canada, 4/28, 2014) Program & Book of Abstracts p.132

2013

* S. Ono and H. Asoh

Nano/Micropatterning of Semiconductor Substrates by Anisotropic Chemical Etching and Anodic Etching Combined with Sphere Photolithography (Invited lecture)

The International Conference on Small Science (ICSS 2013)

(Las Vegas, USA, 12/17, 2013) Program & Abstracts p.146-147

* S. Ono, T. Masuda and H. Asoh

Fabrication of Self-ordered Nanoporous and Crystalline Alpha Alumina Membrane by Anodization of Aluminum (Invited lecture)

THERMEC'2013 International Conference on PROCESSING & MANUFACTURING OF ADVANCED MATERIALS Processing, Fabrication, Properties, Applications

(Las Vegas, USA, 12/02, 2013) programme book p.75

* H. Asoh and S. Ono

Micro- and Nanofabrication of III-V Semiconductors by Anodic Etching and Anisotropic Chemical Etching (Invited lecture)

The 1st International Conference on Surface Engineering (ICSE2013)

(Busan, Korea, 11/19, 2013) Abstracts p.85

* K. Sugawara, H. Asoh and S. Ono

Self-Ordered Porous Anodic Oxide Film Formed on III-V Semiconductor

12th International Symposium on Advanced Technology (ISAT-12th)

(Tainan, Taiwan, 11/14, 2013) Abstracts p.27-28

* S. Ono, K. Sugawara and H. Asoh

Self-Porous Anodic Oxide Films Grown on Compound Semiconductor

224th Meeting of the Electrochemical Society

(San Francisco, USA, 10/30, 2013) ECS Digital library Abstract No.1829

* T. Masuda, H. Asoh and S. Ono

Structure and Property Changes of Anodic Alumina Membrane during Crystallization by Heat Treatment

224th Meeting of the Electrochemical Society

(San Francisco, USA, 10/29, 2013) ECS Digital library Abstract No.133

* Anawati, H. Asoh and S. Ono

Effect of Alloying Element Ca and Anodization On Corrosion Resistance and Bioactivity of AZ61 Alloy

224th Meeting of the Electrochemical Society

(San Francisco, USA, 10/29, 2013) ECS Digital library Abstract No.1843

* M. Fujita, H. Tanaka, H. Muramatsu, S. Ono and H. Asoh

Corrosion Resistance Improvement Technology of Anodic Oxide Films on Aluminum Alloy that Uses a Lithium Hydroxide Solution

19th Small Engine Technology Conference (SETC 2013)

(Taipei, Taiwan, 10/8,2013) Paper No.(JSAE/SAE) 20139049 / 2013-32-9049

* S. Ono, S. Kotaka, K. Sugawara and H. Asoh

Self-Ordered Porous Anodic Oxide Film on GaAs(Invited lecture)

64th Annual Meeting of the International Society of Electrochemistry (ISE 2013)

(Santiago de Quere'taro, Mexico, 9/9, 2013)

* S. Ono and H. Asoh

Effect of Crystal Orientation and Surface Topography of Aluminum Substrate on Pore Nucleation of Anodic Porous Alumina

The Third International Conference and Exposition "Aluminium-21/Coating"

(Saint Petersburg, Russia, 6/25, 2013) Summaries of conference proceedings P.10

* S. Ono and H. Asoh

High-Aspect-Ratio Nanostructures of Semiconductors Fabricated by Chemical and Electrochemical Etchings

5th Meeting of Electrochemistry in Nanoscience (ElecNano5)

(Bordeaux, France, 5/17, 2013) program No. OC1

* S. Ono, S. Kotaka and H. Asoh

Fabrication and Structure Modulation of High-Aspect-Ratio Porous GaAs through Anisotropic Chemical Etching, Anodic Etching, and Anodic Oxidation (Invited lecture)

The Joint Symposium of 4th International Workshop on Nanostructures & Nanoelectronics

(Miyagi, Japan, 03/08, 2013)

2012

* T. Fukao, H. Asoh and S. Ono

Dielectric Oxide Films Formed on Aluminum by Anodization

2012 International Symposium on Nano Science and Technology

(Tainan, Taiwan, 11/8, 2012) Abstract ID PA-18

* M. Nakatani, H. Asoh and S. Ono

Structure of Porous Anodic Films having Black Appearance Grown on Type 304 Stainless Steel

2012 International Symposium on Nano Science and Technology

(Tainan, Taiwan, 11/8, 2012) Abstract ID PA-17

* H. Asoh and S. Ono

Natural Lithography of Semiconductor Surface Using Anodic Etching, Anisotropic Chemical Etching and Metal-Assisted Chemical Etching (invited lecture)

2012 International Symposium on Nano Science and Technology

(Tainan, Taiwan, 11/8, 2012) Abstract ID PA-8

* H. Asoh and S. Ono

Sub-100 nm Silicon Nanoholes Formed by Metal-Assisted Chemical Etching

The 11th International Symposium on Advanced Technology (ISAT-Special)

(Tokyo, Japan, 10/30, 2012) USB, Abstracts No.ECEC3-5

* T. Masuda, H. Asoh and S. Ono

Self-Ordered Nanoporous Alumina Membrane Prepared by Anodizing and Subsequent Heating

The 11th International Symposium on Advanced Technology (ISAT-Special)

(Tokyo, Japan, 10/30,2012) USB,Abstracts No.P-B3-15- II

* D. Kobayashi, H. Asoh and S. Ono

Evaluation of Corrosion Resistance and Biocompatibility of Anodized Magnesium as Bioabsorbable Materials

The 11th International Symposium on Advanced Technology (ISAT-Special)

(Tokyo, Japan, 10/30, 2012) USB, Abstracts No.P-B3-14- II

* M. Nakatani, H. Asoh and S. Ono

Formation of Black Oxide Films on Type 304 Stainless Steel by Anodization

The 11th International Symposium on Advanced Technology (ISAT-Special)

(Tokyo, Japan, 10/30, 2012) USB,Abstracts No.P-B3-11- II

* T. Fukao, H. Asoh and S. Ono

Effect of Sodium Silicate Electrolyte on Dielectric Properties of Crystalline Anodic Oxide Film Formed on Aluminum

The 11th International Symposium on Advanced Technology (ISAT-Special)

(Tokyo, Japan, 10/30, 2012) USB,Abstracts No.P-B3-20- I

* S. Ono and H. Asoh

Irregularity and Defects of Porous Anodic Oxide Films Formed on Metals

222nd Meeting of the Electrochemical Society - 2012 Fall Meeting of The Electrochemical Society of Japan (PRiME 2012)

(Honolulu,USA,10/11,2012)ECS Digital library Abstract No.2340

* D. Kobayashi, H. Asoh and S. Ono

Biocompatibility and Corrosion Resistance of Magnesium Coated with Hydroxyapatite using Alternative Immersion Method

222nd Meeting of the Electrochemical Society - 2012 Fall Meeting of The
Electrochemical Society of Japan (PRiME 2012)
(Honolulu,USA,10/08, 2012)ECS Digital library Abstract No.221

* T. Masuda, H. Asoh and S. Ono

Nanoporous α -Alumina Membrane with High Chemical Resistance Prepared by
Anodizing

222nd Meeting of the Electrochemical Society - 2012 Fall Meeting of The
Electrochemical Society of Japan (PRiME 2012)
(Honolulu,USA,10/08, 2012)ECS Digital library Abstract No.220

* S. Ono, C. Higaki and H. Asoh

Effect of Nitrogen and Carbon Species Inclusion on Dielectric Properties and
Photoresponse of Anodic Film Formed on Niobium

11th International Symposium on Electrochemical / Chemical Reactivity of Metastable
Materials
(Krakow, Poland, 9/12, 2012)

* S. Ono, S. Kotaka and H. Asoh

Nano-Fabrication of Semiconductor Surface Using Anodic Etching, Anisotropic
Chemical Etching and Anodic Oxidation (Keynote)

63rd Annual Meeting of the International Society of Electrochemistry (ISE 2012)
(Prague, Czech Republic, 8/22, 2012)

* S. Ono, Y. Sato and H. Asoh

Effect of Electrolyte Species on Film Structure and Dielectric Properties of Crystalline
Anodic Oxide Films for Aluminium Electrolytic Capacitor

6th International Symposium on Aluminium Surface Science and Technology (VI
ASST)
(Sorrento, Italy, 5/30, 2012)

* S. Ono, M. Okura, H. Asoh, H. Tanaka and T. Yamamoto

Novel Sealing Process of Anodic Oxide Films Formed on Aluminium Using Lithium
Hydroxide Solution

6th International Symposium on Aluminium Surface Science and Technology (VI
ASST)

(Sorrento, Italy, 5/30, 2012)

* F. Rashidi, T. Masuda, H. Asoh and S. Ono

Metallographic Effects of Pure Aluminum on the Nano Porous Anodic Alumina Properties

6th International Symposium on Aluminium Surface Science and Technology (VI ASST)

(Sorrento, Italy, 5/30, 2012)

* S. Ono, S. Kotaka, J. Iwata, K. Fujihara and H. Asoh

High-Aspect-Ratio Nanostructures of Pore and Pillar Arrays of Semiconductors Fabricated by Wet Etching Using Sphere Photolithography

Porous Semiconductors-Science and Technology (PSST-2012)

(Malaga, Spain, 3/25-30, 2012)

2011

* T. Masuda, H. Asoh and S. Ono

Fabrication of α -Alumina Membrane with Controlled Pore Diameter by Anodization

The 10th International Symposium on Advanced Technology (ISAT-10th)

(Beijing, China, 11/16-19, 2011) Abstracts

* H. Tanigawa, Anawati, H. Asoh, T. Ohno, M. Kubota and S. Ono

Effect of Mechanical Milling on Corrosion Resistance and Biocompatibility of Ti-HAp Composite Materials

The 10th International Symposium on Advanced Technology (ISAT-10th)

(Beijing, China, 11/16-19, 2011) Abstracts

* S. Kotaka, H. Asoh and S. Ono

GaAs Pore Arrays Fabricated by Anodic Etching through Photoresist Mask

The 10th International Symposium on Advanced Technology (ISAT-10th)

(Beijing, China, 11/16-19, 2011) Abstracts

* S. Ono and H. Asoh

Biocompatibility of Magnesium Controlled by Surface Structuring

220th Meeting of the Electrochemical Society

(Boston, USA, 10/9-14, 2011) CD-ROM, Abstracts No.1801

* S. Ono, S. Kotaka, J. Iwata and H. Asoh

Nano/Micro-Structured Semiconductors Fabricated by Anodic Etching using Sphere Photolithography

220th Meeting of the Electrochemical Society

(Boston, USA, 10/9-14, 2011) CD-ROM, Abstracts No.101

* C. Higaki, H. Asoh and S. Ono

Effect of Ethylene Glycol Addition to the Electrolytes on Dielectric Properties of Anodic Films Formed on Niobium

220th Meeting of the Electrochemical Society

(Boston, USA, 10/9-14, 2011) CD-ROM, Abstracts No.51

* J. Iwata, H. Asoh and S. Ono

Anodic Etching of InP Substrate through Photoresist Mask Formed by Sphere Photolithography

220th Meeting of the Electrochemical Society

(Boston, USA, 10/9-14, 2011) CD-ROM, Abstracts No.38

* Anawati, H. Tanigawa, H. Asoh, T. Ohno, M. Kubota and S. Ono

Effect of Mechanical Milling on Corrosion Resistance and Biocompatibility of Titanium-Hydroxyapatite Composites

62th Annual Meeting of the International Society of Electrochemistry

(Niigata, Japan, 9/11-16, 2011) CD-ROM, Abstracts No.Ise112316

* S. Ono, Y. Kuroda, H. Asoh and Y. Imamura

Cell Activation Characteristics on Structurally Controlled Surfaces of Aluminum

62th Annual Meeting of the International Society of Electrochemistry

(Niigata, Japan, 9/11-16, 2011) CD-ROM, Abstracts No.Ise112315

* H. Asoh, K. Fujihara and S. Ono

Silicon Nanohole Arrays Fabricated Using Anodic Porous Alumina Mask and Metal-

Assisted Chemical Etching

62th Annual Meeting of the International Society of Electrochemistry

(Niigata, Japan, 9/11-16, 2011) CD-ROM, Abstracts No.Ise111899

* C. Higaki, H. Asoh and S. Ono

Dielectric Property of Anodic Oxide Film Formed on Niobium in Acid Electrolyte

Containing Organic Solvent

62th Annual Meeting of the International Society of Electrochemistry

(Niigata, Japan, 9/11-16, 2011) CD-ROM, Abstracts No.Ise111364

* S. Kotaka, H. Asoh and S. Ono

Fabrication of GaAs Pore Arrays with High Aspect Ratio by Anodic Etching through

Photoresist Mask

62th Annual Meeting of the International Society of Electrochemistry

(Niigata, Japan, 9/11-16, 2011) CD-ROM, Abstracts No.Ise111031

* H. Asoh, S. Kotaka and S. Ono

Fabrication of High-Aspect Ratio GaAs Pores and Pillars with Triangular Cross Section
by Anodic Etching

XX International Materials Research Congress (IMRC-20)

(Cancun, Mexico, 8/14-19, 2011) CD-ROM, Abstracts No.5_sim05-abs047

* S. Ono and H. Asoh

Structure and Properties of Porous / Barrier Composite Anodic Oxide Films Formed on
Aluminum for the Suppression of Gas Emission in Use of Vacuum Chamber

10th International Symposium on the Passivation of Metals and Semi-Conductors and
the Properties of Thin Oxide Layers (Passivity 10)

(Florianopolis, Brazil, 4/10-14, 2011)

2010

* K. Fujihara, H. Asoh and S. Ono

Fabrication of Si Nanohole Arrays by Metal-Assisted Chemical Etching through
Anodic Porous Alumina

9th International Symposium on Advanced Technology (ISAT-9th)
(Tokyo, Japan, 11/3-6, 2010) Abstracts p.33

* T. Masuda, H. Asoh and S. Ono

Preparation of Crystalline Anodic Porous Alumina Membrane with Controlled Pore Diameter

9th International Symposium on Advanced Technology (ISAT-9th)
(Tokyo, Japan, 11/3-6, 2010) Abstracts p.32

* Y. Okamoto, H. Asoh and S. Ono

Effect of Loaded Noble Metals on Photocatalytic Activity of Anodic Porous ZnO Film

9th International Symposium on Advanced Technology (ISAT-9th)
(Tokyo, Japan, 11/3-6, 2010) Abstracts p.31

* Y. Sato, H. Asoh and S. Ono

Evaluation of Dielectric Properties of Crystalline Anodic Alumina Films Formed in Various Electrolytes

9th International Symposium on Advanced Technology (ISAT-9th)
(Tokyo, Japan, 11/3-6, 2010) Abstracts p.30

* C. Higaki, H. Asoh and S. Ono

Formation behavior and characteristics of anodic oxide films formed on niobium in organic acid electrolytes

218th Meeting of the Electrochemical Society
(Las Vegas, USA, 10/10-15, 2010) CD-ROM, Abstracts No.92

* Y. Okamoto, H. Asoh and S. Ono

Photocatalytic Property of Anodic ZnO Films Loaded with Ag nanoparticles

218th Meeting of the Electrochemical Society
(Las Vegas, USA, 10/10-15, 2010) CD-ROM, Abstracts No.91

* Y. Sato, H. Asoh and S. Ono

Dielectric Property of Crystalline Anodic Alumina Films Formed by Multistep Anodization in Various Electrolytes

61th Annual Meeting of the International Society of Electrochemistry
(Nice, France, 9/26-10/1 2010) CD-ROM, Abstracts No.Ise102368

* N. Hondoh, H. Asoh and S. Ono

Corrosion Resistance of Anodic Films Formed on Magnesium Alloys by Anodization
under Sparking in Alkaline Phosphate Electrolyte

61th Annual Meeting of the International Society of Electrochemistry
(Nice, France, 9/26-10/1, 2010) CD-ROM, Abstracts No.Ise102306

* H. Asoh and S. Ono

Fabrication of Thick Crystalline Anodic Porous Alumina Membrane with Acid
Resistance

61th Annual Meeting of the International Society of Electrochemistry
(Nice, France, 9/26-10/1, 2010) CD-ROM, Abstracts No.Ise102299

* S. Ono and H. Asoh

Mechanism of novel sealing process of anodic porous oxide films formed on aluminum
(Invited lecture)

European Materials Research Society (E-MRS) 2010 Fall Meeting
(Warsaw, Poland, 9/13-17, 2010) Abstracts p. f-11

* M. Santamaria, F. D. Franco, F. D. Quarto, K. Nishimura and S. Ono

Effect of ammonium hydroxide addition in the anodizing electrolyte on the electronic
properties of anodic oxides on Niobium

Giornate dell'Elettrochimica Italiana Elettrochimica per il Recupero Ambientale
(G.E.I.-E.R.A. 2010)
(Modena, Italia, 9/5-10, 2010)

* Y. Sato, H. Asoh and S. Ono

Effect of Electrolyte Species on Crystallinity and Dielectric Properties of Anodic
Oxide Films Formed on Aluminum

The 12th International Conference on Aluminium Alloys
(Yokohama, Japan, 9/5-9, 2010) Abstracts p.95

* S. Ono, M. Okura, H. Asoh, H. Tanaka and T. Yamamoto

Sealing Mechanism of Anodic Porous Oxide Films Formed on Aluminum in Lithium Hydroxide Solution

The 12th International Conference on Aluminium Alloys

(Yokohama, Japan, 9/5-9, 2010) Abstracts p.64

* H. Asoh and S. Ono

Site-Selective Anodic Photodissolution of InP Using Noble Metal Catalyst

The 2nd Japan-Korea Joint Symposium for ARS & Capacitor

(Gyeongju, Korea, 6/27-28, 2010) Abstracts p.76

* T. Masuda, H. Asoh and S. Ono

Preparation of Thick Anodic Porous Alumina Membrane with Controlled Pore Diameter

The 2nd Japan-Korea Joint Symposium for ARS & Capacitor

(Gyeongju, Korea, 6/27-28, 2010) Abstracts p.73

* N. Hondoh, H. Asoh and S. Ono

Spark Discharge Control for Anodizing of Magnesium in Alkaline Phosphate Electrolyte

The 2nd Japan-Korea Joint Symposium for ARS & Capacitor

(Gyeongju, Korea, 6/27-28, 2010) Abstracts p.70

* S. Ono and H. Asoh

Apatite Coating on Structurally Modulated Porous Anodic Films Formed on Valve Metals (Invited lecture)

The 2nd Japan-Korea Joint Symposium for ARS & Capacitor

(Gyeongju, Korea, 6/27-28, 2010) Abstracts p.23

* S. Ono, A. Komatsu, H. Asoh

Biocompatibility of Anodic Porous Titania Coated with Hydroxyapatite by Alternative Immersion Method

2nd International Conference on Functional Nanocoatings (Keynote)

(Dresden, Germany, 3/28-31, 2010)

2009

* A. Komatsu, H. Asoh and S. Ono

Hydroxyapatite Coating on Anodic Porous TiO₂ Films by Alternative Immersion Method

The 1st Joint Symposium between Kogakuin University and Institute of Chemistry, Chinese Academy of Science (KU-ICCAS; JS1-2009)
(Tokyo, Japan, 12/8-11, 2009) Abstracts p.83-84

* T. Yokoyama, H. Asoh and S. Ono

Metal-Assisted Chemical Etching of InP Substrate under UV Irradiation

The 1st Joint Symposium between Kogakuin University and Institute of Chemistry, Chinese Academy of Science (KU-ICCAS; JS1-2009)
(Tokyo, Japan, 12/8-11, 2009) Abstracts p.49-50

* Y. Yasukawa, H. Asoh and S. Ono

Fabrication of Microstructured GaAs Surfaces by Metal-Assisted Chemical Etching

The 1st Joint Symposium between Kogakuin University and Institute of Chemistry, Chinese Academy of Science (KU-ICCAS; JS1-2009)
(Tokyo, Japan, 12/8-11, 2009) Abstracts p.47

* M. Hori, H. Asoh and S. Ono

Dielectric Properties of N-Doped Anodic Oxide Films Formed on Niobium

The 1st Joint Symposium between Kogakuin University and Institute of Chemistry, Chinese Academy of Science (KU-ICCAS; JS1-2009)
(Tokyo, Japan, 12/8-11, 2009) Abstracts p.37-38

* M. Nakamura, H. Asoh and S. Ono

Thermal Stability of Thick Anodic Porous Alumina Membranes

The 1st Joint Symposium between Kogakuin University and Institute of Chemistry,

Chinese Academy of Science (KU-ICCAS; JS1-2009)
(Tokyo, Japan, 12/8-11, 2009) Abstracts p.35

* H. Asoh and S. Ono

Morphology of Anodic Alumina Films Formed on Aluminum Substrate Coated with Self-Assembled Polystyrene Spheres

The 1st Joint Symposium between Kogakuin University and Institute of Chemistry,
Chinese Academy of Science (KU-ICCAS; JS1-2009)
(Tokyo, Japan, 12/8-11, 2009) Abstracts p.33

* S. Ono and H. Asoh

Nano/Micro-Patterning of Semiconductors through Colloidal Crystal Templating
(Invited lecture)

The 1st Joint Symposium between Kogakuin University and Institute of Chemistry,
Chinese Academy of Science (KU-ICCAS; JS1-2009)
(Tokyo, Japan, 12/8-11, 2009) Abstracts p.9-10

* M. Hori, H. Asoh and S. Ono

Effect of Nitrogen Incorporation on Dielectric Properties of Anodic Films Formed on Niobium in Various Electrolytes

8th International Symposium on Advanced Technology (ISAT-8th)
(Tainan, Taiwan, 11/20-22, 2009) Abstracts p.72-74

* A. Komatsu, H. Asoh and S. Ono

Biocompatibility of Anodic Porous Titania Films Coated with Hydroxyapatite by Alternative Immersion Method

8th International Symposium on Advanced Technology (ISAT-8th)
(Tainan, Taiwan, 11/20-22, 2009) Abstracts p.59-61

* S. Ono and H. Asoh

Nano/Micro-Patterning of Silicon by Site-Selective Chemical Etching through Colloidal Crystal Templating (Invited lecture)

8th International Symposium on Advanced Technology (ISAT-8th)
(Tainan, Taiwan, 11/20-22, 2009) Abstracts p.13-16

* S. Ono

Patterning of Semiconductors by Metal-Assisted Chemical Etching/Electrodeposition through Self-Organized Spheres (Invited lecture)

Seminar at Laboratory for Mechanics of Materials and Nanostructures in EMPA
(Swiss Federal Laboratories for Materials Testing and Research)
(EMPA, Thun, Switzerland, 10/9, 2009)

* S. Ono, B. Futatsu and H. Asoh

Growth of Porous Anodic Niobia and Tantalum Films Composed of Crystalline Nanoparticles

216th Meeting of the Electrochemical Society
(Vienna, Austria, 10/4-9, 2009) CD-ROM, Abstracts No.1910

* S. Ono, A. Kodama and H. Asoh

Bioactivation of Porous Electrode Composed of Sintered Titanium Spheres by Hydroxyapatite Coating

216th Meeting of the Electrochemical Society
(Vienna, Austria, 10/4-9, 2009) CD-ROM, Abstracts No.1892

* T. Yokoyama, H. Asoh and S. Ono

Effect of UV Irradiation on Chemical Etching of InP Substrate Using Noble Metal Catalyst

216th Meeting of the Electrochemical Society
(Vienna, Austria, 10/4-9, 2009) CD-ROM, Abstracts No.17

* M. Hori, H. Asoh and S. Ono

Effect of Nitrogen Incorporation on Dielectric Properties of Anodic Oxide Films Formed on Niobium

216th Meeting of the Electrochemical Society
(Vienna, Austria, 10/4-9, 2009) CD-ROM, Abstracts No.8

* A. Komatsu, H. Asoh and S. Ono

Deposition of Hydroxyapatite on TiO₂ Nanotubes by Alternative Immersion Method
216th Meeting of the Electrochemical Society
(Vienna, Austria, 10/4-9, 2009) CD-ROM, Abstracts No.7

* S. Ono, A. Kodama, H. Asoh

Hydroxyapatite Coating on Porous Electrode Composed of Sintered Titanium Spheres
by Electrolysis and Soaking in SBF (Invited lecture)

THERMEC2009

(Berlin, Germany, 8/25-29, 2009)

* M. Nakamura, H. Asoh and S. Ono

Control of Structure and Stability of Porous Alumina Membrane Formed by
Anodization

60th Annual Meeting of the International Society of Electrochemistry

(Beijing, China, 8/16-21, 2009) CD-ROM, Abstracts No.Ise085002

* H. Asoh and S. Ono

Composition and Microstructure of Anodic Films Formed on Magnesium by Dielectric
Breakdown

60th Annual Meeting of the International Society of Electrochemistry

(Beijing, China, 8/16-21, 2009) CD-ROM, Abstracts No.Ise084977

* T. Kameyama, H. Asoh and S. Ono

Silicon Nano Hole Arrays Prepared by Metal-Assisted Chemical Etching Using
Hexagonally Arranged Au Nanoparticles

60th Annual Meeting of the International Society of Electrochemistry

(Beijing, China, 8/16-21, 2009) CD-ROM, Abstracts No.Ise084967

* Y. Yasukawa, H. Asoh and S. Ono

Structuring of GaAs Hole Arrays through Metal-Assisted Chemical Etching

60th Annual Meeting of the International Society of Electrochemistry

(Beijing, China, 8/16-21, 2009) CD-ROM, Abstracts No.Ise084846

* 小野幸子

Growth of Hydroxyapatite on Morphologically Controlled Porous Materials (Invited
lecture)

NIMS WEEK 2009 (2009/7/23 つくば国際会議場, つくば)

* S. Ono and H. Asoh

Micro-Patterning of Semiconductors by Metal-Assisted Chemical Etching through Self-Assembled Colloidal Spheres (Invited lecture)

215th Meeting of the Electrochemical Society

(San Francisco, USA, 5/24-29, 2009) CD-ROM, Abstracts No.917

* Y. Yasukawa, H. Asoh and S. Ono

Ordered Hole Arrays on GaAs Fabricated by Metal-Assisted Chemical Etching

215th Meeting of the Electrochemical Society

(San Francisco, USA, 5/24-29, 2009) CD-ROM, Abstracts No.879

* S. Ono, K. Nishimura and H. Asoh

Effect of Nitrogen Doping on Dielectric Property and Photoresponse of Anodic Oxide Films Formed on Niobium (Invited lecture)

5th KURT SCHWABE SYMPOSIUM FROM CORROSION TO SEMICONDUCTORS

(Erlangen, Germany, 5/24-28, 2009) Abstract No.70

* S. Ono, K. Uchibori, M. Nakamura and H. Asoh

Micro/Nanostructure Control of Aluminum Surface by Use of Self-Assembled Spheres

5th International Symposium on Aluminium Surface Science and Technology (ASST 2009)

(Leiden, Netherland, 5/10-14, 2009)

* S. Ono

Natural Lithography of Semiconductor Using Colloidal Crystal and Self-Organized Anodic Alumina (Invited lecture)

中国科学院 化学研究所 工学院大学学術交流協定による交換講義

(Beijing, China, 3/12, 2009)

2008

- * Y. Kobayashi, H. Asoh and S. Ono

Structure and Photocatalytic Activity of Nanoporous ZnO Films Prepared by Anodization

7th International Symposium on Advanced Technology (ISAT-7th)
(Beijing, China, 10/20-22, 2008) Abstracts p.31

- * K. Hashimoto, H. Asoh and S. Ono

Effect of Electrolyte Species on Dielectric Properties of Crystalline Anodic Oxide Films Formed on Aluminum

7th International Symposium on Advanced Technology (ISAT-7th)
(Beijing, China, 10/20-22, 2008) Abstracts p.25

- * S. Ono, R. Kobayashi, Y. Kobayashi and H. Asoh

Fabrication of Self-Organized Nanoporous Oxide Semiconductors by Anodization

214th Meeting of the Electrochemical Society - 2008 Fall Meeting of The Electrochemical Society of Japan (PRiME 2008)
(Honolulu, USA, 10/12-17, 2008) CD-ROM, Abstracts No.1829

- * Y. Yasukawa, H. Asoh and S. Ono

GaAs Microarrays by Noble-Metal Assisted Chemical Etching

214th Meeting of the Electrochemical Society - 2008 Fall Meeting of The Electrochemical Society of Japan (PRiME 2008)
(Honolulu, USA, 10/12-17, 2008) CD-ROM, Abstracts No.1811

- * T. Kameyama, H. Asoh and S. Ono

Micropatterning of ZnO Nanorods on Si Substrate Using Colloidal Crystal Templating and Chemical Deposition

214th Meeting of the Electrochemical Society - 2008 Fall Meeting of The Electrochemical Society of Japan (PRiME 2008)
(Honolulu, USA, 10/12-17, 2008) CD-ROM, Abstracts No.32

* K. Nishimura, H. Asoh and S. Ono

Nitrogen Doping into Anodic Oxide Films Formed on Niobium in Ammonium Alkaline Electrolytes

214th Meeting of the Electrochemical Society - 2008 Fall Meeting of The Electrochemical Society of Japan (PRiME 2008)

(Honolulu, USA, 10/12-17, 2008) CD-ROM, Abstracts No.5

* S. Ono and H. Asoh

Patterning of Silicon by Metal-Assisted Chemical Etching/Electrodeposition Through Self-Organized Micro-Spheres (Keynote)

59th Annual Meeting of the International Society of Electrochemistry (Seville, Spain, 9/7-12, 2008)

* Y. Kobayashi, H. Asoh and S. Ono

Evaluation of Photocatalytic Activity of Nanoporous ZnO Films Prepared by Anodization

International Symposium on Anodizing Science and Technology (AST 2008) (Hokkaido, Japan, 7/23-25, 2008) Abstracts p.56

* H. Asoh, K. Uchibori, M. Nakamura and S. Ono

Fabrication of Microporous Alumina with Large Pore Interval more than 1 mm International Symposium on Anodizing Science and Technology (AST 2008)

(Hokkaido, Japan, 7/23-25, 2008) Abstracts p.39

* M. Hori, H. Asoh and S. Ono

Unlimited Growth of Crystalline Anodic Oxide Films on Niobium

International Symposium on Anodizing Science and Technology (AST 2008) (Hokkaido, Japan, 7/23-25, 2008) Abstracts p.38

* K. Nishimura, K. Nagahara, H. Takahashi, H. Asoh and S. Ono

Dielectric Properties of Anodic Oxide Films Formed on Niobium in Ammonium Alkaline Electrolytes

International Symposium on Anodizing Science and Technology (AST 2008)

(Hokkaido, Japan, 7/23-25, 2008) Abstracts p.36

* K. Hashimoto, H. Asoh and S. Ono

Effect of Boron Incorporation on Dielectric Properties of Crystalline Anodic Oxide Films Formed on Aluminum

International Symposium on Anodizing Science and Technology (AST 2008)

(Hokkaido, Japan, 7/23-25, 2008) Abstracts p.34

* S. Ono

Effect of Nitrogen Doping on Dielectric Property of Anodic Films Formed on Valve Metals (Invited lecture)

International Symposium on Anodizing Science and Technology (AST 2008)

(Hokkaido, Japan, 7/23-25, 2008) Abstracts p.13

* A. Kodama, H. Asoh and S. Ono

Effect of Surface Pre-Treatments of Titanium on Hydroxyapatite Coating by Electrodeposition

17th WORLD INTERFINISH CONGRESS & EXPOSITION (INTERFINISH 2008)

(Busan, Korea, 6/16-19, 2008) Abstracts p.528

* K. Nishimura, K. Nagahara, H. Takahashi, H. Asoh and S. Ono

Impedance Analysis of Anodic Oxide Films Formed on Niobium in Ammonium Alkaline Electrolyte

17th WORLD INTERFINISH CONGRESS & EXPOSITION (INTERFINISH 2008)

(Busan, Korea, 6/16-19, 2008) Abstracts p.194

* Y. Yasukawa, H. Asoh and S. Ono

Microfabrication of n-GaAs Substrate -a Combination of Self Organized Spheres, Metal Catalyst and Chemical Etching-

17th WORLD INTERFINISH CONGRESS & EXPOSITION (INTERFINISH 2008)

(Busan, Korea, 6/16-19, 2008) Abstracts p.181

* S. Ono, Y. Kobayashi, R. Kobayashi and H. Asoh

Ultra-Thick Porous Oxide Semiconductors Prepared by Anodization of Metal Plates (Invited lecture)

17th WORLD INTERFINISH CONGRESS & EXPOSITION (INTERFINISH 2008)
(Busan, Korea, 6/16-19, 2008) Abstracts p.76

* S. Ono

Micro/Nano Patterning of Silicon Using Self-Organized Anodic Alumina and
Nanospheres (Invited lecture)

May Meeting of the San Francisco Section of the Electrochemical Society
(Fremont, USA, 5/22, 2008)

* S. Ono, Y. Kobayashi and H. Asoh

Self-Organized and High Aspect Ratio Nanoporous ZnO Prepared by Anodization
213th Meeting of the Electrochemical Society

(Phoenix, USA, 5/18-22, 2008) CD-ROM, Abstracts No.800

* Y. Yasukawa, H. Asoh and S. Ono

Site-Selective Metal Patterning/Metal-Assisted Chemical Etching on GaAs Substrate
through Colloidal Crystal Templating

213th Meeting of the Electrochemical Society

(Phoenix, USA, 5/18-22, 2008) CD-ROM, Abstracts No.765

2007

* S. Ono, F. Arai, S. Sakamoto and H. Asoh

Patterning of Silicon by Site-Selective Etching and Metal Deposition through Colloidal
Crystal Templating (Invited lecture)

International Workshop on Nanostructure & Nanoelectronics

(Sendai, Japan, 11/21-22, 2007) Abstracts p.15

* S. Ono and H. Asoh

Factors Controlling Dielectric Properties of Anodic Oxide Films Formed on Aluminum
The 1st Japan-Korea Joint symposium of ARS at JEJU

(Jeju, Korea, 11/1-3, 2007)

* S. Ono and H. Asoh

Effect of Nanostructured Surfaces of Light Metals on Hydroxyapatite Coating

212th Meeting of the Electrochemical Society
(Washington DC, USA, 10/7-12, 2007) CD-ROM, Abstracts No.922

* A. Kodama, T. Kawame, H. Asoh and S. Ono
Electrodeposition of Hydroxyapatite on Morphologically Controlled Surface of Titanium
212th Meeting of the Electrochemical Society
(Washington DC, USA, 10/7-12, 2007) CD-ROM, Abstracts No.58

* K. Nishimura, K. Nagahara, H. Takahashi, H. Asoh and S. Ono
Evaluation of Dielectric Properties of Anodic Oxide Films Formed on Niobium
212th Meeting of the Electrochemical Society
(Washington DC, USA, 10/7-12, 2007) CD-ROM, Abstracts No.57

* S. Sakamoto, H. Asoh and S. Ono
Fabrication of Ordered Metal Patterns by Site-Selective Electroless Deposition Using Colloidal Crystals as Mask
212th Meeting of the Electrochemical Society
(Washington DC, USA, 10/7-12, 2007) CD-ROM, Abstracts No.56

* S. Ono, F. Arai and H. Asoh
Micro Patterning of Silicon by Chemical Etching Using Patterned Noble Metal as Catalyst
211th Meeting of the Electrochemical Society
(Chicago, USA, 5/7-11, 2007) CD-ROM, Abstracts No.621

2006

* K. Nakamura, H. Asoh and S. Ono
Etching Behavior of Aluminum Capacitor Foils Through Anodic Porous Alumina
16th IKETANI Conference 2006
(Tokyo, Japan, 11/12-15, 2006) Abstracts No.981

* S. Ono, A. Oide and H. Asoh

Nanofabrication of Silicon Substrate Utilizing Self-organized Anodic Porous Alumina
16th IKETANI Conference 2006
(Tokyo, Japan, 11/12-15, 2006) Abstracts No.201

* S. Ono, A. Suzuki and H. Asoh

Microstructure and Corrosion Resistance of Anodic Films Formed on Magnesium
210th Meeting of the Electrochemical Society (2006ECS)
(Cancun, Mexico, 10/29-11/3, 2006) CD-ROM, Abstracts No.903

* H. Itaya, H. Asoh and S. Ono

Effect of Electrolyte pH and Anions on Dielectric Property of Anodic Oxide Films
Formed on Niobium
210th Meeting of the Electrochemical Society (2006ECS)
(Cancun, Mexico, 10/29-11/3, 2006) CD-ROM, Abstracts No.63

* K. Uchibori, H. Asoh and S. Ono

Selective Chemical Etching of Si Substrate Using Colloidal Crystal as Mask
210th Meeting of the Electrochemical Society (2006ECS)
(Cancun, Mexico, 10/29-11/3, 2006) CD-ROM, Abstracts No.62

* S. Ono

Preparation of Highly Ordered Nano-Porous Materials and Their Application
The 2nd Kyoto-Erlangen Symposium on Advanced Energy and Materials
(Kyoto, Japan, 10/3-5, 2006) Abstracts p.137

* S. Ono, M. Hasebe, S. Inayoshi and H. Asoh

Control of Gas Emission in Vacuum from the Surface of Anodized Aluminum Alloys
(Edinburgh, U.K., 8/27-9/1, 2006) Abstract p. S9-P-49

* S. Ono, T. Nagasaka and H. Asoh

Fabrication of Ultra Thick Porous Oxide films on Niobium by Anodization
57th Annual Meeting of the International Society of Electrochemistry (ISE)
(Edinburgh, U.K., 8/27-9/1, 2006) Abstract p. S9-O-18

* F. Arai, H. Asoh and S. Ono

Micro-Patterning of Silicon Surfaces by Chemical Etching Using Silber Particles as Catalyst

6th International Symposium on Electrochemical Micro and Nano System Technologies (EMNT2006)

(Bonn, Germany, 8/22-25, 2006) Abstracts p.40

* H. Asoh and S. Ono

Colloidal Lithography Using Localized Anodization

6th International Symposium on Electrochemical Micro and Nano System Technologies (EMNT2006)

(Bonn, Germany, 8/22-25, 2006) Abstracts p.36

* S. Sakamoto, H. Asoh and S. Ono

Selective Metal Deposition on Silicon Substrate Using Two-Dimensional Crystalline Arrays of Colloidal Spheres as Mask

6th International Symposium on Electrochemical Micro and Nano System Technologies (EMNT2006)

(Bonn, Germany, 8/22-25, 2006) Abstracts p.34

* K. Nakamura, H. Asoh and S. Ono

DC Etching of Aluminium Foils Using Self-Organized Materials as a Direct Mask

4th International Symposium on Aluminium Surface Science and Technology (ASST 2006)

(Beaune, France, 5/14-18, 2006) Abstracts p.108

* K. Okudaira, H. Asoh and S. Ono

Evaluation of Crystalline Anodic Alumina as a Dielectric Film for Electrolytic Capacitors

4th International Symposium on Aluminium Surface Science and Technology (ASST 2006)

(Beaune, France, 5/14-18, 2006) Abstracts p.104

* S. Ono and H. Asoh

Morphology of Porous / Barrier Anodic Oxide Films Grown in Tunnel Pits of Etched Aluminium Foils

4th International Symposium on Aluminium Surface Science and Technology (ASST 2006)

(Beaune, France, 5/14-18, 2006) Abstracts p.103

* S. Ono, A. Oide and H. Asoh

Application of Self-Organized Anodic Alumina and Colloidal Crystals to
Nanofabrication

4th International Symposium on Aluminium Surface Science and Technology (ASST
2006)

(Beaune, France, 5/14-18, 2006) Abstracts p.21

* S. Ono and H. Asoh

Nanopatterning of Si Substrate

4th International Symposium on Aluminium Surface Science and Technology (ASST
2006)

(Beaune, France, 5/14-18, 2006) Abstracts p.21

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* S. Ono, H. Asoh (Invited lecture)

Nanopatterning of Si Substrate Using Self-organized Materials

4th ISE Spring Meeting 2006

(Singapore, Singapore, 4/17-20, 2006) Abstracts p.93

2005

* H. Asoh, K. Nakamura and S. Ono

Control of Pits Initiation Sites on Aluminum Foil Using Colloidal Crystal

International Symposium on Electrochemical Processing of Tailored Materials
(EPTM2005)

(Kyoto, Japan, 10/3-5, 2005) Abstracts p.137

* H. Asoh, A. Oide and S. Ono

Nanopatterning of Si Substrate Using Colloidal Crystal as a Mask for Electrochemical
Etching

International Symposium on Electrochemical Processing of Tailored Materials
(EPTM2005)

(Kyoto, Japan, 10/3-5, 2005) Abstracts p.136

* S. Ono and H. Asoh

Fabrication of Nano-Structured Si Surfaces by Chemical Etching and Copper Deposition

International Symposium on Electrochemical Processing of Tailored Materials (EPTM2005)

(Kyoto, Japan, 10/3-5, 2005) Abstracts p.135

* T. Asahina, H. Asoh and S. Ono

Effect of Surface Morphology of Aluminum on Pore Nucleation and Growth of Anodic Alumina Films

56th Annual Meeting of the International Society of Electrochemistry

(Busan, Korea, 9/25-30, 2005) Abstracts p.848

* H. Asoh and S. Ono

Fabrication of Inverse Opal Structure by Combination of Anodization and Template Method

56th Annual Meeting of the International Society of Electrochemistry

(Busan, Korea, 9/25-30, 2005) Abstracts p.844

* A. Suzuki, H. Asoh and S. Ono

Porous Structure of Anodic Oxide Films Grown on Magnesium

56th Annual Meeting of the International Society of Electrochemistry

(Busan, Korea, 9/25-30, 2005) Abstracts p.740

* S. Ono and H. Asoh

Natural Lithography of Si Substrate Using Self-ordered Anodic Alumina and Nanospheres (Invited lecture)

207th Meeting of Electrochemical Society

(Quebec City, Canada, 5/15-20, 2005) CD-ROM, Abstracts No.741

2004

- * C. Wada, H. Asoh and S. Ono

Effect of Formation Voltage on Film Thickness and Structure of Anodic Barrier Films Formed on Aluminum

3rd International Symposium on Advanced Technology (ISAT-3rd)
(Tokyo, Japan, 11/10-11, 2004) Abstracts p.43

- * A. Oide, H. Asoh and S. Ono

Fabrication of Reversal Nanostructures Using Localized Anodization and Subsequent Chemical Etching

3rd International Symposium on Advanced Technology (ISAT-3rd)
(Tokyo, Japan, 11/10-11, 2004) Abstracts p.41

- * H. Asoh and S. Ono

Fabrication of Nano-Honeycomb Pattern by Si Anodization

3rd International Symposium on Advanced Technology (ISAT-3rd)
(Tokyo, Japan, 11/10-11, 2004) Abstracts p.40

- * K. Kuramochi, H. Asoh and S. Ono

Study of Anodic Oxide Film Formed on Niobium

3rd International Symposium on Advanced Technology (ISAT-3rd)
(Tokyo, Japan, 11/10-11, 2004) Abstracts p.38

- * S. Ono, T. Nagasaka, H. Shimazaki and H. Asoh

Fabrication of Porous Niobia by Anodizing of Niobium

206th Meeting of Electrochemical Society
(Hawaii, USA, 10/3-8, 2004) CD-ROM, Abstracts No.788

- * H. Asoh and S. Ono

Fabrication of Inverse Opal Structure of Silica by Si Anodization

206th Meeting of Electrochemical Society

(Hawaii, USA, 10/3-8, 2004) CD-ROM, Abstracts No.787

* S. Ono, N. Kato, M. Saito and H. Asoh

Self-Ordering of Anodic Porous Alumina Induced by High Electric Field Strength

206th Meeting of Electrochemical Society - 2004 Fall Meeting of The Electrochemical Society of Japan

(Honolulu, USA, 10/3-8, 2004) CD-ROM, Abstracts No.775

* Y. Kimura, H. Shiraki, R. Yamaguchi, H. Ishii, S. Ono, K. Itaya and M. Niwano

In-situ Observation of Formation of Anodic Porous Alumina Films on Si using Surface Infrared Absorption Spectroscopy

206th Meeting of Electrochemical Society - 2004 Fall Meeting of The Electrochemical Society of Japan

(Honolulu, USA, 10/3-8, 2004) CD-ROM, Abstracts No.218

* K. Kuramochi, H. Asoh and S. Ono

Characterization of Anodic Oxide Film Formed on Niobium in Alkaline Solution

206th Meeting of Electrochemical Society - 2004 Fall Meeting of The Electrochemical Society of Japan

(Honolulu, USA, 10/3-8, 2004) Abstracts No.174

* A. Oide, H. Asoh and S. Ono

Reversal Patterning of Si Substrate Using Localized Anodization and Subsequent Chemical Etching

206th Meeting of Electrochemical Society - 2004 Fall Meeting of The Electrochemical Society of Japan

(Honolulu, USA, 10/3-8, 2004) CD-ROM, Abstracts No.173

* C. Wada, H. Asoh and S. Ono

Effect of Formation Voltage on Structure of Anodic Barrier Films Formed on Aluminum

206th Meeting of Electrochemical Society - 2004 Fall Meeting of The Electrochemical Society of Japan

(Honolulu, USA, 10/3-8, 2004) CD-ROM, Abstracts No. 171

* H. Asoh and S. ono

Formation of Inverse Opal Oxide Films by Anodization

5th International Symposium on Electrochemical Micro & Nanosystem Technologies

(Tokyo, Japan, 9/29-10/1, 2004) Abstracts p.158

* S. Ono, M. Saito and H. Asoh

Self-Ordering of Anodic Porous Alumina Induced by High Electric Field Strength

5th International Symposium on Electrochemical Micro & Nanosystem Technologies

(Tokyo, Japan, 9/29-10/1, 2004) Abstracts p.156

* S. Hyodo, H. Asoh and S. Ono

Improvement of Corrosion Resistance of Anodic Film on Mg-Li-Y Super Light Alloy

55th Annual Meeting of the International Society of Electrochemistry

(Thessaloniki, Greece, 9/19-24, 2004) Abstracts p.925

* K. Kuramochi, H. Asoh, T. Mochizuki and S. Ono

Effect of Electrolyte pH on Dielectric Properties of Anodic Films Formed on Niobium

55th Annual Meeting of the International Society of Electrochemistry

(Thessaloniki, Greece, 9/19-24, 2004) Abstracts p.912

* C. Wada, H. Asoh and S. Ono

Structure and Dielectric Property of Anodic Barrier Films Formed on Aluminum at

Low Voltage Region

55th Annual Meeting of the International Society of Electrochemistry

(Thessaloniki, Greece, 9/19-24, 2004) Abstracts p.911

* H. Asoh A. Uehara and S. Ono

Nanofabrication of Si Substrate Using Nanospheres as a Mask for Localized

Anodization

55th Annual Meeting of the International Society of Electrochemistry

(Thessaloniki, Greece, 9/19-24, 2004) Abstracts p.1291

* A. Oide, H. Asoh and S. Ono

Nanopatterning of Si Substrate Using Anodization of Sputtered Aluminum Film in Sulfuric Acid

55th Annual Meeting of the International Society of Electrochemistry

(Thessaloniki, Greece, 9/19-24, 2004) Abstracts p.1290

* C. Wada, H. Asoh and S. Ono

Change in Dielectric Property of Anodic Barrier Films Formed on Aluminum with Formation Voltage

Frontiers of Surface and Interface Science and Engineering 2004 Conference (FSISE 2004)

(Guangzhou, China, 5/14-16, 2004) Abstracts p.147

* K. Kuramochi, H. Asoh, T. Mochizuki and S. Ono

Characterization of Anodic Films Formed on Niobium

Frontiers of Surface and Interface Science and Engineering 2004 Conference (FSISE 2004)

(Guangzhou, China, 5/14-16, 2004) Abstracts p.146

* A. Oide, H. Asoh and S. Ono

Nanofabrication of Silicon Substrate Using Localized Anodization

Frontiers of Surface and Interface Science and Engineering 2004 Conference (FSISE 2004)

(Guangzhou, China, 5/14-16, 2004) Abstracts p.145

* S. Ono, M. Saito and H. Asoh

Self-Organization of Anodic Porous Alumina (Invited lecture)

Frontiers of Surface and Interface Science and Engineering 2004 Conference (FSISE 2004)

(Guangzhou, China, 5/14-16, 2004) Abstracts p.152

2003

* S. Ono, Y. Suzuki and H. Asoh

Surface Oxidation Behavior of Mg-Li-Y Ultra Light Alloys
13th Asian-Pacific Corrosion Control Conference (APCCC13)
(Osaka, Japan, 11/16-21, 2003) Abstracts No.C104.

* S. Ono, C. Wada and H. Asoh

Evaluation of the Structure of Ultra Thin Anodic Films formed on Aluminum at Low Voltages
13th Asian-Pacific Corrosion Control Conference (APCCC13)
(Osaka, Japan, 11/16-21, 2003) Abstracts No.P038

* H. Asoh, A. Oide and S. Ono

Anodizing Behavior of Aluminum Sputtered on Semiconductor Substrate
13th Asian-Pacific Corrosion Control Conference (APCCC13)
(Osaka, Japan, 11/16-21, 2003) Abstracts No.P039

* H. Asoh and S. Ono

Nanofabrication of Silicon Substrate Using Localized Anodization
2003 International Symposium on Nano Science and Technology, 2003-ISONST
(Tainan, Taiwan, 11/2-5, 2003) Abstracts p.256

* M. Saito, H. Muto, H. Asoh and S. Ono

Self-Ordering Behavior of Anodic Porous Alumina Formed in Malonic Acid Solution
204th Meeting of Electrochemical Society
(Orlando, USA, 10/12-16, 2003) Abstracts No.30

* H. Odate, H. Asoh and S. Ono

Effect of Heat Treatment and Electrolyte Temperature on Dielectric Properties of

Anodic Films Formed on Niobium

204th Meeting of Electrochemical Society

(Orlando, USA, 10/12-16, 2003) Abstracts No.34

* S. Ono, M. Miyake, A. Oide and H. Asoh

Ion Transport on Anodic Oxidation of Magnesium and Magnesium Super Light Alloys

204th Meeting of Electrochemical Society

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