

2008 — FUJIMOTO Shinji

Scientific Papers/Commentary Articles

1. S. Berger, H. Tsuchiya, P. Schmuki, Transition from Nanopores to Nanotubes: Self-Ordered Anodic Oxide Structures on Titanium-Aluminides, *Chemistry of Materials*, 20 (10), 3245-3247, 2008
2. D. Kim, S. Fujimoto, P. Schmuki, H. Tsuchiya, Nitrogen doped anodic TiO₂ nanotubes grown from nitrogen-containing Ti alloys, *Electrochemistry Communications*, 10(6), 910-913, 2008
3. S. Suzuki, K. Shinoda, M. Sato, S. Fujimoto, M. Yamashita, H. Konishi, T. Doi, T. Kamimura, K. Inoue, Y. Waseda, Changes in chemical state and local structure of green rust by addition of copper sulphate ions, *Corrosion Science*, 50(6), 1761-1765, 2008
4. S. Suzuki, K. Shinoda, M. Sato, S. Fujimoto, M. Yamashita, H. Konishi, T. Doi, T. Kamimura, K. Inoue, Y. Waseda, Characterization of Reaction of Green Rust with Foreign Ions using X-ray Absorption Fine Structure, *Corrosion Engineering*, 57(8), 353-357, 2008
5. K. Alvarez, S.-K. Hyun, S. Fujimoto, H. Nakajima, In vitro corrosion resistance of lotus-type porous Ni-free stainless steels, *Journal of Materials Science:Materials in Medicine*, 19(11), 3385-3398, 2008
6. Tomo Saito , Hiroya Masaki, Fahmi Azhari Mukhlis, Hiroaki Tsuchiya and Shinji Fujimoto, Crystallographic Characterization of Stress Corrosion Cracking Initiation on Type316L Stainless Steel in High Temperature and High Pressure Water, *Journal of Physics: Conference Series*, in press, 2009
7. S. Fujimoto, V. Raman, H. Tsuchiya, Surface Modification of b-type Titanium Alloy by Electrochemical Potential Pulse Polarization, *Journal of Physics: Conference Series*, in press, 2009
8. Hiroaki Tsuchiya, Toshifumi Akaki, Junji Nakata, Daisuke Terada, Nobuhiro Tsuji, Yuichiro Koizumi, Yoritoshi Minamino, Patrik Schmuki, Shinji Fujimoto, Metallurgical aspects on the formation of self-organized anodic oxide nanotube layers, *Electrochimica Acta*, in press, 2009
9. Hiroaki Tsuchiya, Toshifumi Akaki, Junji Nakata, Daisuke Terada, Nobuhiro Tsuji, Yuichiro Koizumi, Yoritoshi Minamino, Patrik Schmuki, Shinji Fujimoto, Anodic oxide nanotube layers on Ti-Ta alloys: Substrate composition, microstructure and self-organization on two-size scales, *Corrosion Science*, in press, 2009
10. Hiroaki Tsuchiya, Nozomu Tokuoka, Shinji Honda, Yuji Shinkai, Yasutomo Shimizu, Shinji Fujimoto, TiO₂ nanotube layers with metallic nanoparticles, *Journal of Physics: Conference Series*, in press, 2009
11. Nabeen K. Shrestha, Yoon-Chae Nah, Hiroaki Tsuchiya, Patrik Schmuki, Self organized

nano-tubes of TiO₂-MoO₃ with enhanced electrochromic properties, Chemical Communications, in press, 2009

12. J.M. Macak, C. Zollfrank, B.J. Rodriguez, H. Tsuchiya, M. Alexe, P. Greil, P. Schmuki, Ordered Ferroelectric Lead Titanate Nanocellular Structure by Conversion of Anodic TiO₂ Nanotubes, Advanced Materials, in press, 2009

International Conference Proceedings

1. Y. Shinkai, H. Tsuchiya, S. Fujimoto, Dye-sensitized TiO₂ Nanotubes with Ag Nanoparticles, ECS Transactions, 16(3), 261-266, 2008
2. H. Tsuchiya, J. Nakata, S. Fujimoto, S. Berger, P. Schmuki, Anodic Porous and Tubular Oxide Layers on Ti Alloys, ECS Transactions, 16(39), 359-367, 2008

Awards

1. A. Ghicov, H. Tsuchiya, J.M. Macak, P. Schmuki, Electrochemistry Communications Best Cited Paper Award 2008, 2008/10/1

Symposia

1. 214th meeting of The Electrochemical Society, Critical Factors in Localized Corrosion 6, in Honor of Professor Shibata, Invited speakers: R. Frankenthal (Frankenthal Associates), M. Stratmann (Max-Planck-Institut für Eisenforschung), P. Schmuki (University of Erlangen-Nuremberg)