

2013 年

講演タイトル	発表者名	講演会名
Preparation of Non-annealed Anatase TiO ₂ Film on ITO Substrate by Anodizing in Hot Phosphate/glycerol Electrolyte for Dye-sensitized Solar Cells	E. Tsuji, N. Hirata, Y. Aoki and H. Habazaki	Mater. Lett.2013, 91, 39-41
Observation of Self-assembled Layers of Alkyl Phosphonic Acid on Aluminium Using Low-voltage Scanning Electron Microscopy	H. Sato, T. Fujii, E. Tsuji, Y. Aoki K. Shimizu, P. Skeldon, G.E. Thompson and H. Habazaki	Surf. Interface Anal.2013, in press.
Formation of Self-Organized Nanoporous Anodic Films on Carbon Steel	Y. Konno, E. Tsuji, Y. Aoki and H. Habazaki	ECS Transactions 2013, in press.
Catalytic Effects of Na and Ca from Inexpensive Materials on In-Situ Steam Gasification of Char from Rapid Pyrolysis of Low Rank Coal in a Drop-Tube Reactor	Zhang, L-X.; Kudo, S.; Tsubouchi, N.; Hayashi, J-i.; Ohtsuka, Y.; Norinaga, K.	Fuel Processing Technology113, 1-7, (2013)
High Proton Conductivity in Anodic ZrO ₂ -WO ₃ -SiO ₂ Nanofilms	Y. Ke, E. Tsuji, Y. Aoki and H. Habazaki	ECS Transactions 2013, in press.
Transmission electron microscopic observations of the decomposition process of lithium alanate	Hao Yao, Shigehito Isobe, Yongming Wang, Naoyuki	International Journal of Hydrogen Energy 38, 2013, 3689

	Hashimoto, Somei Ohnuki	
Corrosion Resistance of 9 – 15 Cr ODS Steels and its Comparison with Austenitic Stainless Steel	S. Ningshen, M. Sakairi, K. Suzuki and S. Ukai	Advanced Materials Research Vol. 794(2013) pp 575- 582
Growth behavior of anodic porous alumina formed in malic acid solution	Tatsuya Kikuchi, Tsuyoshi Yamamoto, Ryosuke O.Suzuki	Applied Surface Science 284(2013)907-913
Effect of metal cations on corrosion behavior and surface film structure of the A3003 aluminum alloy in model tap waters	K.Otani M.Sakairi R.Sasaki A.Kaneko Y.Seki D.Nagasawa	J. Solid State Electrochem. DOI 10.1007/s10008- 013-2260-7
The corrosion resistance and passive film compositions of 12 Cr and 15 Cr oxide dispersion strengthened steels in nitric acid media	S. Ningshen, M. Sakairi, K. Suzuki and S. Ukai	Corrosion Science (2013)
The surface characterization and corrosion resistance of 11 Cr ferritic/martensitic and 9 –15 Cr ODS steels for nuclear fuel reprocessing application	S. Ningshen, M. Sakairi, K. Suzuki and S. Ukai	J Solid State Electrochem DOI 10.1007/s10008- 013-2165-5
Corrosion Study and Passive Film Characterization of 11Cr F/M and 15Cr ODS Steels	S. Ningshen, M. Sakairi, K. Suzuki and S. Ukai	July 2013, Volume 7, No. 7 (Serial No. 68) Journal of Civil Engineering and Architecture, ISSN1934-7359, USA
In-Plane Orientation Control of 2,7-	Manabu	J. Phys. Chem. C

Diphenyl[1]benzothieno[3,2-b][1]benzothiophene Monolayer on Bismuth-Terminated Si(111) Vicinal Surfaces with Wettability Optimization	Ohtomo, Yuya Tsuchida, Naoki Muraya, Takashi Yanase, Seiji Sakai, Tetsu Yonezawa, Taro Nagahama, Tetsuya Hasegawa, and Toshihiro Shimada	2013, 117, 11555-11561
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