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講演タイトル	発表者名	講演会名
Pulsed anodization of NiTi alloy to form a biofunctional Ni-free oxide layer for corrosion protection and hydrophilicity	Naofumi Ohtsu, Kako Yamasaki, Hiroki Taniho, Yusuke Konaka, Kasumi Tate	Surface and Coatings Technology Volume 412, 25 April 2021, 127039
Fabrication of superhydrophobic copper metal nanowire surfaces with high thermal conductivity	Ryota Yamamoto, Damian Kowalski, Ruijie Zhu, Keisuke Wada, Yuki Sato, Sho Kitano, Chunyu Zhu, Yoshitaka Aoki, Hiroki Habazaki	Applied Surface Science 537 (2021) 147854
Release of essential plant nutrients from manure- and wood-based biochars	Mahmudul Islam Piash, Kazunori Iwabuchi, Takanori Itoh, Koki Uemura	Geoderma (397, 115100)
Slippery Liquid-Infused Porous Surfaces on Aluminum for Corrosion Protection with Improved Self-Healing Ability	Sakuraba, K (Sakuraba, Kensuke) ; Kitano, S (Kitano, Sho) ; Kowalski, D (Kowalski, Damian) ; Aoki, Y (Aoki, Yoshitaka) ; Habazaki, H (Habazaki, Hiroki)	ACS Appl. Mater. Interfaces 2021, 13, 37, 45089–45096
Metal/Oxide Heterojunction Boosts Fuel Cell Cathode Reaction at Low Temperatures	Jeong, S (Jeong, SeongWoo) ; Wang, N (Wang, Ning) ; Kitano, S (Kitano, Sho) ; Habazaki, H (Habazaki, Hiroki) ; Aoki, Y (Aoki, Yoshitaka)	Adv. Energy Mater.2021, 11, 2102025
Highly Active and Durable FeNiCo Oxyhydroxide Oxygen Evolution Reaction Electrocatalysts Derived from Fluoride Precursors	Nishimoto, M (Nishimoto, Masahiro) ; Kitano, S (Kitano, Sho) ; Kowalski, D (Kowalski, Damian) ; Aoki, Y (Aoki,	ACS Sustainable Chem. Eng. 2021, 9, 28, 9465–9473

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A lithiophilic carbon scroll as a Li metal host with low tortuosity design and "Dead Li" self-cleaning capability	Zhu, RJ (Zhu, Ruijie) ; Yang, HJ (Yang, Huijun); Fadillah, L (Fadillah, Laras) ; Xiong, ZT (Xiong, Zetao) ; Kowalski, D (Kowalski, Damian); Zhu, CY (Zhu, Chunyu) ; Kitano, S (Kitano, Sho) ; Aoki, Y (Aoki, Yoshitaka) ; Habazaki, H (Habazaki, Hiroki)	J. Mater. Chem. A, 2021, 9,13332
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modified Pt(100), Pd(100) and Pd-Pt(100) single crystal electrodes in acidic media	Zheng, Satoshi Taguchi, Fumiya Kiguchi, Mashu Torihata, Yunzhi Gao, Nagahiro Hoshi, IchizoYagi	
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Kinetically Stabilized Cation Arrangement in Li <sub>3</sub> YCl <sub>6</sub> Superionic Conductor during Solid-State Reaction	Hiroaki Ito, Kazuki Shitara, Yongming Wang, Kotaro Fujii, Masatomo Yashima, Yosuke Goto, Chikako Moriyoshi, Nataly Carolina Rosero-Navarro, Akira Miura, Kiyoharu	Advanced Science, 8[15] 2101413 (2021)
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