2020 Annual Most Downloaded Papers

Editorial Board of *Electrochemistry*
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Ranking	Title	Authors	Volume, Number, pages, year	DOI	Counts
1	Development of a Small-sized Electrolyzed Water Generator for Sterilization (殺菌用小型電解水作製装置の開発)	Noriyuki KITAORI, Mayuko YOSHIOKA, Kota SEKIDO, Norihiko OHNISHI, Nanoka MAEDA, Saya MATSUISHI (北折 典之, 吉岡 眞由子, 関戸 広太, 大西 則彦, 前田 菜花, 松石 早矢)	81(8),627-633(2013)	https://doi.org/10.5796/electrochemistry.81.627	**1826**
2	Electrochemical Impedance and Complex Capacitance to Interpret Electrochemical Capacitor	Masayuki ITAGAKI, Satoshi SUZUKI, Isao SHITANDA, Kunihiro WATANABE	75(8),649-655(2007)	https://doi.org/10.5796/electrochemistry.75.649	**1460**
3	Recent Advances in Supercapacitors: Ultrafast Materials Make Innovations	Naohisa OKITA, Etsuro IWAMA, Katsuhiko NAOI	88(3),83-87(2020)	https://doi.org/10.5796/electrochemistry.20-H6301	**1434**
4	Lithium Metal Negative Electrode for Batteries with High Energy Density: Lithium Utilization and Additives	Kazuki YOSHII, Hikari SAKAEBE	88(5),463-467(2020)	https://doi.org/10.5796/electrochemistry.20-00085	**1371**
5	Property, Electronic and Crystal Structures, Thermodynamic Stability, and Cathode Performance of Li_x(Mn, Co, Ni, M)O_2 (M=Al, Ti, Fe) as a Cathode Active Material for Li Secondary Battery (リチウム二次電池正極活物質 Li_x(Mn, Co, Ni, M)O_2 (M＝Al, Ti, Fe)の物性，結晶・電子構造，熱力学的安定性と電池特性)	Yasushi IDEMOTO, Takaaki MATSUI (井手本康, 松井 貴昭)	75(10), 791-799(2007)	https://doi.org/10.5796/electrochemistry.75.791	**1288**
6	Electrochemistry and Solid-State Chemistry of Layered Oxides for Li-, Na-, and K-Ion Batteries	Kei KUBOTA	88(6),507-514(2020)	https://doi.org/10.5796/electrochemistry.20-00092	**1221**
7	Static Capacitance at the Electrochemical Liquid-liquid Interface Between Ionic Liquids and Eutectic Ga-In Alloy Measured Using the Pendant Drop Method	Naoya NISHI, Yasuro KOJIMA, Seiji KATAKURA, Tetsuo SAKKA	86(2),38-41(2018)	https://doi.org/10.5796/electrochemistry.17-00081	**1207**
8	Electrochemical CO_2 Reduction Using Gas Diffusion Electrode Loading Ni-doped Covalent Triazine Frameworks in Acidic Electrolytes	Yuxin WU, Kazuhide KAMIYA, Takuya HASHIMOTO, Rino SUGIMOTO, Takashi HARADA, Katsushi FUJII, Shuji NAKANISHI	88(5),359-364(2020)	https://doi.org/10.5796/electrochemistry.20-64036	**1180**
9	Development of Robust Electrocatalysts Comprising Single-atom Sites with Designed Coordination Environments	Kazuhide KAMIYA	88(1),45-49(2020)	https://doi.org/10.5796/electrochemistry.20-00089	**1136**
10	Effects of Pressure on Stability of Nafion Membrane under Water Electrolysis(ナフィオン膜の電解条件下での安定性に及ぼす圧力の影響)	Hiroyuki MICHISHITA, Kei-ichi AKABORI, Keiji TANAKA, Hiroshige MATSUMOTO, Daizou HARUTA, Yoshinori NAGATA, Nagaaki YAMAMOTO, Tatsumi ISHIHARA(道下 浩征, 赤堀 敬一, 田中 敬二, 松本 広重, 春田 大蔵, 永田 吉憲, 山本 壽昭, 石原 達己)	78(1),42-49(2010)	https://doi.org/10.5796/electrochemistry.78.42	**1109**