

2023 Annually Most Cited Papers

Editorial Board of *Electrochemistry*
The Electrochemical Society of Japan

Ranking	Title	Authors	Volume, Number, pages, year	DOI	Counts
1	Impact of Surface Coating on the Low Temperature Performance of a Sulfide-Based All-Solid-State Battery Cathode	Yusuke MORINO	90(2),027001(2022)	https://doi.org/10.5796/electrochemistry.21-00126	17
2	A New Accelerated Durability Test Protocol for Water Oxidation Electrocatalysts of Renewable Energy Powered Alkaline Water Electrolyzers	Ashraf ABDEL HALEEM, Kensaku NAGASAWA, Yoshiyuki KURODA, Yoshinori NISHIKI, Awaludin ZAENAL, and Shigenori MITSUSHIMA	89(2),186-191(2021)	https://doi.org/10.5796/electrochemistry.20-00156	16
3	Bulk-Type Lithium Metal Secondary Battery with Indium Thin Layer at Interface between Li Electrode and Li ₂ S-P ₂ S ₅ Solid Electrolyte	Motohiro NAGAO, Akitoshi HAYASHI, and Masahiro TATSUMISAGO	80(10),734-736(2012)	https://doi.org/10.5796/electrochemistry.80.734	10
3	AC Impedance Analysis of the Degeneration and Recovery of Argyrodite Sulfide-Based Solid Electrolytes under Dry-Room-Simulated Condition	Hikaru SANO, Yusuke MORINO, Akinori YABUKI, Shimpei SATO, Naohiko ITAYAMA, Yasuyuki MATSUMURA, Masahiro IWASAKI, Masahiro TAKEHARA, Takeshi ABE, Yasuo ISHIGURO, Tsukasa TAKAHASHI, Norihiko MIYASHITA, Atsushi SAKUDA, and Akitoshi HAYASHI	90(3),037012(2022)	https://doi.org/10.5796/electrochemistry.22-00013	10
5	Dependence of the Reverse Current on the Surface of Electrode Placed on a Bipolar Plate in an Alkaline Water Electrolyzer	Yosuke UCHINO, Takayuki KOBAYASHI, Shinji HASEGAWA, Ikuo NAGASHIMA, Yoshio SUNADA, Akiyoshi MANABE, Yoshinori NISHIKI, and Shigenori MITSUSHIMA	86(3),138-144(2018)	https://doi.org/10.5796/electrochemistry.17-00102	9
5	Metastable and Nanosized Li _{1.2} Nb _{0.2} V _{0.6} O ₂ for High-Energy Li-ion Batteries	Ruijie QI, Benoît D. L. CAMPÉON, Itsuki KONUMA, Yoshihiko SATO, Yuko KANEDA, Masashi KONDO, and Naoaki YABUUCHI	90(3),037005(2022)	https://doi.org/10.5796/electrochemistry.22-00005	9
5	Cycle Degradation Analysis by High Precision Coulometry for Sulfide-Based All-Solid-State Battery Cathode under Various Potentials	Yusuke MORINO, Hirofumi TSUKASAKI, and Shigeo MORI	90(4),047003(2022)	https://doi.org/10.5796/electrochemistry.22-00018	9
8	Glass Electrolytes with High Ion Conductivity and High Chemical Stability in the System LiI-Li ₂ O-Li ₂ S-P ₂ S ₅	Takamasa OHTOMO, Akitoshi HAYASHI, Masahiro TATSUMISAGO, and Koji KAWAMOTO	81(6),428-431(2013)	https://doi.org/10.5796/electrochemistry.81.428	8
8	Li Pre-doping of Amorphous Silicon Electrode in Li-Naphthalene Complex Solutions	Shuhei YOSHIDA, Yuta MASUO, Daisuke SHIBATA, Masakazu HARUTA, Takayuki DOI, and Minoru INABA	83(10),843-845(2015)	https://doi.org/10.5796/electrochemistry.83.843	8
8	Surface Layer and Morphology of Lithium Metal Electrodes	Hiroko KUWATA, Hidetoshi SONOKI, Masaki MATSUI, Yasuaki MATSUDA, and Nobuyuki IMANISHI	84(11),854-860(2016)	https://doi.org/10.5796/electrochemistry.84.854	8
8	Electropolishing and Mirror-like Preparation of Titanium in Choline Chloride-Ethylene Glycol Mixture Liquid	Wrya O. KARIM, Jamil A. JUMA, Khalid M. OMER, Yousif M. SALIH, Kosar H. HAMA AZIZ, and Shujahadeen B. AZIZ	88(5),447-450(2020)	https://doi.org/10.5796/electrochemistry.20-00038	8
8	Electrochemical Evaluation of Lithium-Metal Anode in Highly Concentrated Ethylene Carbonate Based Electrolytes	Junya TAKEYOSHI, Naohiro KOBORI, and Kiyoshi KANAMURA	88(6),540-547(2020)	https://doi.org/10.5796/electrochemistry.20-00087	8