

2023 Bimonthly Most Downloaded Papers

Editorial Board of *Electrochemistry*
The Electrochemical Society of Japan

Month	Title	Authors	Volume, Number, pages, year	DOI	Counts
JAN FEB	Cyclic Voltammetry Part 1: Fundamentals	Hirohisa YAMADA, Kazuki YOSHII, Masafumi ASahi, Masanobu CHIKU, and Yuki KITAZUMI	90(10),102005(2022)	https://doi.org/10.5796/electrochemistry.22-66082	467
	Potentiometric Titration Based on the Reference Electrode Equipped with Ionic Liquid Salt Bridge — 1. Precipitation Titration of Chloride with Silver Ions in Water	Takashi KAKIUCHI, Ryunosuke TANIGO, Atsushi TANI, Takeshi YAMAZAKI, Kohta KOMATSUBARA, Keiji NAKANO, and Masahiro YAMAMOTO	91(1),013001(2023)	https://doi.org/10.5796/electrochemistry.22-66119	332
	Effect of Sn Addition on Anode Properties of SiO _x in Sodium-Ion Batteries	Tomoki HIRONO, Hiroyuki USUI, Yasuhiro DOMI, Wataru IRIE, Takahiro NISHIDA, Toshiyuki SAWADA, and Hiroki SAKAGUCHI	91(1),017001(2023)	https://doi.org/10.5796/electrochemistry.22-00123	276
MAR APR	Phase Behaviors and Ion Transport Properties of LiN(SO ₂ CF ₃) ₂ /Sulfone Binary Mixtures	Ryoichi TATARA, Yosuke UGATA, Shuhei MIYAZAKI, Natsuki KISHIDA, Shohei SASAGAWA, Kazuhide UENO, Seiji TSUZUKI, Masayoshi WATANABE, and Kaoru DOKKO	91(3),037008(2023)	https://doi.org/10.5796/electrochemistry.23-00019	345
	Positive Electrode Performance of All-Solid-State Battery with Sulfide Solid Electrolyte Exposed to Low-Moisture Air	Yusuke MORINO, Hikaru SANO, Akihiro SHIOTA, Koji KAWAMOTO, Tsukasa TAKAHASHI, Norihiko MIYASHITA, Atsushi SAKUDA, and Akitoshi HAYASHI	91(3),037005(2023)	https://doi.org/10.5796/electrochemistry.23-00003	301
	Bright Yellow Electrogenenerated Chemiluminescence Cell Using a Rubrene Solution Doped with an Emitting Assist Dopant	Emiri KATO, Ryoichi ISHIMATSU, Jun MIZUNO, and Takashi KASAHARA	91(4),047002(2023)	https://doi.org/10.5796/electrochemistry.23-00007	287
MAY JUN	Electrochemical Impedance Spectroscopy Part 1: Fundamentals	Kingo ARIYOSHI, Zyun SIROMA, Atsushi MINESHIGE, Mitsuhiro TAKENO, Tomokazu FUKUTSUKA, Takeshi ABE, and Satoshi UCHIDA	90(10), 102007(2022)	https://doi.org/10.5796/electrochemistry.22-66071	492
	LFP/Graphite リチウムイオン電池の性能および劣化の予測モデルに関する研究	Tsutomu HASHIMOTO, Hirokazu MUNAKATA, and Kiyoshi KANAMURA (橋本 勉, 棟方 裕一, 金村 聖志)	89(3),303-312(2021)	https://doi.org/10.5796/electrochemistry.20-00140	459
	Electrical Conductivity Measurement of Electrolyte Solution	Minoru MIZUHATA	90(10), 102011(2022)	https://doi.org/10.5796/electrochemistry.22-66111	377
JUL AUG	Application of Modified Styrene-Acrylic-Rubber-based Latex Binder to LiCoO ₂ Composite Electrodes for Lithium-ion Batteries	Lu YIN, Ryoichi TATARA, Shogo YAMAZAKI, Rena TAKAISHI, Eisuke SHIYAMA, Takashi MATSUYAMA, Satoshi YASUNO, and Shinichi KOMABA	91(7), 077005(2023)	https://doi.org/10.5796/electrochemistry.23-00048	400
	Cyclic Voltammetry Part 2: Surface Adsorption, Electric Double Layer, and Diffusion Layer	Hirohisa YAMADA, Kazuki YOSHII, Masafumi ASahi, Masanobu CHIKU, and Yuki KITAZUMI	90(10),102006(2022)	https://doi.org/10.5796/electrochemistry.22-66084	355
	Application of Diluted Electrode Method to Sodium-ion Insertion into Hard Carbon Electrode	Yuki FUJII, Ryoichi TATARA, Daisuke IGARASHI, Tomooki HOSAKA, Rena TAKAISHI, Eisuke SHIYAMA, Takashi MATSUYAMA, and Shinichi KOMABA	91(7), 077002(2023)	https://doi.org/10.5796/electrochemistry.23-00051	320
SEP OCT	Electrochemical Impedance Spectroscopy Part 2: Applications	Kingo ARIYOSHI, Atsushi MINESHIGE, Mitsuhiro TAKENO, Tomokazu FUKUTSUKA, Takeshi ABE, Satoshi UCHIDA, and Zyun SIROMA	90(10), 102008(2022)	https://doi.org/10.5796/electrochemistry.22-66080	347
	Blending Lithium Nickel Manganese Cobalt Oxide with Lithium Iron Manganese Phosphate as Cathode Materials for Lithium-ion Batteries with Enhanced Electrochemical Performance	Mayu SHIOZAKI, Hiroki YAMASHITA, Yuko HIRAYAMA, Takaaki OGAMI, and Kiyoshi KANAMURA	91(7), 077007(2023)	https://doi.org/10.5796/electrochemistry.23-00033	340
	Effects of Central Metal Ions in Porphyrin-sensitized Solar Cells with Halogen Redox Mediators	Fumiyasu AWAI, Yonbon ARAI, Jotaro NAKAZAKI, Satoshi UCHIDA, and Hiroshi SEGAWA	91(9), 097001(2023)	https://doi.org/10.5796/electrochemistry.23-00060	300
NOV DEC	Electrochemical Polarization Part 1: Fundamentals and Corrosion	Kentaro KURATANI, Kazuhiro FUKAMI, Hiroaki TSUCHIYA, Hiroyuki USUI, Masanobu CHIKU, and Shin-ichi YAMAZAKI	90(10), 102003(2022)	https://doi.org/10.5796/electrochemistry.22-66085	350
	Single-step Synthesis of Highly Porous Nitrogen-doped Carbon by Solid-gas Mechanochemical Treatment as an Oxygen Reduction Electrocatalyst	Naoki TACHIBANA, Hiromasa NAMIKI, and Shoichi SOMEKAWA	91(11), 117003(2023)	https://doi.org/10.5796/electrochemistry.23-00099	338
	Electrode Potentials Part 1: Fundamentals and Aqueous Systems	Kazuhiko MATSUMOTO, Kohei MIYAZAKI, Jinkwang HWANG, Takayuki YAMAMOTO, and Atsushi SAKUDA	90(10), 102001(2022)	https://doi.org/10.5796/electrochemistry.22-66075	327