

2025 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	2150
	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	974
	Electrical Conductivity Measurement of Electrolyte Solution	Minoru MIZUHATA	90(10),102011(2022)	https://doi.org/10.5796/electrochemistry.22-66111	929
MAR APR	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	1147
	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	963
	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	919
MAY JUN	Electrochemical Synthesis of 3,5-Bis(acyl)-1,2,4-thiadiazoles through <i>n</i> -Bu ₄ NI-mediated Oxidative Dimerization of α -Oxothioamides	Mahadev SHIVARAJ, Rajaghatta N SURESH, Toreshettahally R SWAROOP, Manikyanahally N KUMARA, Kanchugarakoppal S RANGAPPA, Kempegowda MANTELINGU, Adaganahalli Boregowda MAMATHA DEVI, Madihalli Prasanna MANASA, and Muddegowda UMASHANKARA	91(12),122001(2023)	https://doi.org/10.5796/electrochemistry.23-67131	2445
	Electrochemical Cyanation of Benzothiazole Derivatives	Towa MORIKOSHI, Mizuki MATSUSE, Shin YONEYAMA, Pengyu XU, and Kouichi MATSUMOTO	93(2),027019(2025)	https://doi.org/10.5796/electrochemistry.24-00133	1662
	Current Status and Trends of Automotive Lithium-ion Batteries	Makoto UE	93(6),062002(2025)	https://doi.org/10.5796/electrochemistry.25-71009	1492
JUL AUG	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	1287
	Electrochemical Impedance Analysis of Lithium Insertion Electrodes Using Symmetric Cells	Kingo ARIYOSHI	92(3),037007(2024)	https://doi.org/10.5796/electrochemistry.24-00013	667
	Extended Distribution of Relaxation Time Analysis for Electrochemical Impedance Spectroscopy	Kiyoshi KOBAYASHI and Tohru S. SUZUKI	90(1),017004(2022)	https://doi.org/10.5796/electrochemistry.21-00111	516
SEP OCT	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	898
	Moisture Stability of Sulfide Solid Electrolytes: Systematic Comparison and Mechanistic Insight	Yusuke MORINO , Daisuke ITO, Misae OTOYAMA, Hirotada GAMO, Minami KATO, Nobuhiko TAKEICHI and Hikaru SANO	93(6),063001(2025)	https://doi.org/10.5796/electrochemistry.25-71011	731
	Highly Efficient Water Electrolysis Using NaOH-KOH Hydrate Melt	Keita GOTO, Kenji KAWAGUCHI and Toshiyuki NOHIRA	92(4),043021(2024)	https://doi.org/10.5796/electrochemistry.23-69153	714