

2025 Annually Most Downloaded Papers

Editorial Board of *Electrochemistry*
The Electrochemical Society of Japan

Ranking	Title	Authors	Volume, Number, pages, year	DOI	Counts
1	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	19617
2	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	12991
3	Electrical Conductivity Measurement of Electrolyte Solution	Minoru MIZUHATA	90(10),102011(2022)	https://doi.org/10.5796/electrochemistry.22-66111	12944
4	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	8258
5	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	7869
6	Current Status and Trends of Automotive Lithium-ion Batteries	Makoto UE	93(6),062002(2025)	https://doi.org/10.5796/electrochemistry.25-71009	7438
7	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	7346
8	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	6595
9	Electrochemical Impedance Analysis of Lithium Insertion Electrodes Using Symmetric Cells	Kingo ARIYOSHI	92(3),037007(2024)	https://doi.org/10.5796/electrochemistry.24-00013	4054
10	Electrochemical Synthesis of 3,5-Bis(acyl)-1,2,4-thiadiazoles through n-Bu4NI-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	3710