

2025 Bimonthly Most Downloaded Papers

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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/electrochemist ry.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/electrochemist ry.22-66071	974
	Electrical Conductivity Measurement of Electrolyte Solution	Minoru MIZUHATA	90(10),102011(2022)	https://doi.org/10.5796/electrochemist ry.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/electrochemist ry.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/electrochemist ry.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/electrochemist ry.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/electrochemist ry.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/electrochemist ry.24-00133	1662
	Current Status and Trends of Automotive Lithium-ion Batteries	Makoto UE	93(6),062002(2025)	https://doi.org/10.5796/electrochemist ry.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/electrochemist ry.22-66080	1287
	Electrochemical Impedance Analysis of Lithium Insertion Electrodes Using Symmetric Cells	Kingo ARIYOSHI	92(3),037007(2024)	https://doi.org/10.5796/electrochemist ry.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/electrochemist ry.21-00111	516
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	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/electrochemist ry.25-71011	731
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NOV DEC	Advances of Perovskite Solar Cells: Interface Engineering to Achieve High Photovoltage Performance	Tsutomu MIYASAKA, Sota AMAMIYA, Nao SAITO, and Masashi IkeGAMI	93(9),094002(2025)	https://doi.org/10.5796/electrochemist ry.25-72102	1394
	Measurement Methods on Electrodes and Electrocatalysts for Water Electrolysis	Shigenori MITSUSHIMA, Tsutomu IOROI, Yoshiyuki KURODA, Kensaku NAGASAWA, Tomoki UCHIYAMA, Yuki ORIKASA, Hiroshi INOUE, Eiji HIGUCHI, Kota ANDO, Takashi NAKAJIMA, Ryuta MISUMI, and Yoshiharu UCHIMOTO	93(4),046001(2025)	https://doi.org/10.5796/electrochemist ry.25-00046	1141
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