2020 Annual Most Cited Papers

Editorial Board of *Electrochemistry*
The Electrochemical Society of Japan

Ranking	Title	Authors	Volume, Number, pages, year	DOI	Counts
1	Crystal Structures and Electrode Performance of Alpha-$NaFeO_2$ for Rechargeable Sodium Batteries	Naoaki YABUUCHI, Hiroaki YOSHIDA, and Shinichi KOMABA	**80(10)**, 716-719(2012)	https://doi.org/10.5796/electrochemistry.80.716	38
2	Lithium Dendrite Formation on a Lithium Metal Anode from Liquid, Polymer and Solid Electrolytes	Yasuo TAKEDA, Osamu YAMAMOTO, and Nobuyuki IMANISHI	**84(4)**, 210-218(2016)	https://doi.org/10.5796/electrochemistry.84.210	25
3	Effect of Concentrated Electrolyte on Aqueous Sodium-ion Battery with Sodium Manganese Hexacyanoferrate Cathode	Kosuke NAKAMOTO, Ryo SAKAMOTO, Masato ITO, Ayuko KITAJYOU, and Shigeto OKADA	**85(4)**, 179-185(2017)	https://doi.org/10.5796/electrochemistry.85.179	19
4	Rechargeable Li-Air Batteries with Carbonate-Based Liquid Electrolytes	Fuminori MIZUNO, Shinji NAKANISHI, Yukinari KOTANI, Shoji YOKOISHI, and Hideki IBA	**78(5)**, 403-405(2010)	https://doi.org/10.5796/electrochemistry.78.403	13
5	Discharge Performance of All-Solid-State Battery Using a Lithium Superionic Conductor $Li_{10}GeP_2S_{12}$	Yuki KATO, Koji KAWAMOTO, Ryoji KANNO, and Masaaki HIRAYAMA	**80(10)**, 749-751(2012)	10.5796/electrochemistry.80.749	12
6	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	11
6	Surface enhanced Raman spectroscopy: Towards single molecular spectroscopy	Bruno PETTINGER, Gennaro PICARDI, Rolf SCHUSTER, and Gerhard ERTL	**68(12)**, 942-949(2000)	https://doi.org/10.5796/electrochemistry.68.942	11
8	Effects of Mesoporous Structures on Direct Electron Transfer-Type Bioelectrocatalysis: Facts and Simulation on a Three-Dimensional Model of Random Orientation of Enzymes	Yu SUGIMOTO, Yuki KITAZUMI, Osamu SHIRAI, and Kenji KANO	**85(2)**, 82-87(2017)	https://doi.org/10.5796/electrochemistry.85.82	10
8	Bulk-Type Lithium Metal Secondary Battery with Indium Thin Layer at Interface between Li Electrode and Li_2S-P_2S_5 Solid Electrolyte	Motohiro NAGAO, Akitoshi HAYASHI, and Masahiro TATSUMISAGO	**80(10)**, 734-736(2012)	https://doi.org/10.5796/electrochemistry.80.734	10
8	Electrochemical Impedance and Complex Capacitance to Interpret Electrochemical Capacitor	Masayuki ITAGAKI, Satoshi SUZUKI, Isao SHITANDA, and Kunihiro WATANABE	**75(8)**, 649-655(2007)	https://doi.org/10.5796/electrochemistry.75.649	10
8	Ionic Liquids for Electrochemical Devices	Rika HAGIWARA and Je Seung LEE	**75(1)**, 23-34(2007)	https://doi.org/10.5796/electrochemistry.75.23	10