

## 2022 Continuously Highly Cited Papers

Editorial Board of *Electrochemistry*

Rank	Title	Authors	Volume, Number, pages, Year	DOI	Years	Period	Total Times Cited	2022 Citation
1	Rechargeable Li-Air Batteries with Carbonate-Based Liquid Electrolytes	Fuminori MIZUNO, Shinji NAKANISHI, Yukinari KOTANI, Shoji YOKOISHI, Hideki IBA	78(5),403-405(2010)	<a href="https://doi.org/10.5796/electrochemistry.78.403">https://doi.org/10.5796/electrochemistry.78.403</a>	12	2011-2022	346	11
2	Surface enhanced Raman spectroscopy: Towards single molecular spectroscopy	Bruno PETTINGER, Gennaro PICARDI, Rolf SCHUSTER, Gerhard ERTL	68(12),942-949(2000)	<a href="https://doi.org/10.5796/electrochemistry.68.942">https://doi.org/10.5796/electrochemistry.68.942</a>	11	2012-2022	206	7
3	Crystal Structures and Electrode Performance of Alpha-NaFeO <sub>2</sub> for Rechargeable Sodium Batteries	Naoaki YABUUCHI, Hiroaki YOSHIDA, Shinichi KOMABA	80(10),716-719(2012)	<a href="https://doi.org/10.5796/electrochemistry.80.716">https://doi.org/10.5796/electrochemistry.80.716</a>	10	2013-2022	275	19
4	Lithium Dendrite Formation on a Lithium Metal Anode from Liquid, Polymer and Solid Electrolytes	Yasuo TAKEDA, Osamu YAMAMOTO, Nobuyuki IMANISHI	84(4),210-218(2016)	<a href="https://doi.org/10.5796/electrochemistry.84.210">https://doi.org/10.5796/electrochemistry.84.210</a>	6	2017-2022	108	20
5	Effect of Concentrated Electrolyte on Aqueous Sodium-ion Battery with Sodium Manganese Hexacyanoferrate Cathode	Kosuke NAKAMOTO, Ryo SAKAMOTO, Masato ITO, Ayuko KITAJOU, Shigeto OKADA	85(4),179-185(2017)	<a href="https://doi.org/10.5796/electrochemistry.85.179">https://doi.org/10.5796/electrochemistry.85.179</a>	5	2018-2022	81	13
5	Discharge Performance of All- Solid-State Battery Using a Lithium Superionic Conductor Li <sub>10</sub> GeP <sub>2</sub> S <sub>12</sub>	Yuki KATO, Koji KAWAMOTO, Ryoji KANNO, Masaaki HIRAYAMA	80(10),749-751(2012)	<a href="https://doi.org/10.5796/electrochemistry.80.749">https://doi.org/10.5796/electrochemistry.80.749</a>	5	2018-2022	107	7
7	Surface Layer and Morphology of Lithium Metal Electrodes	Hiroko KUWATA, Hidetoshi SONOKI, Masaki MATSUI, Yasuaki MATSUDA, Nobuyuki IMANISHI	84(11),854-860(2016)	<a href="https://doi.org/10.5796/electrochemistry.84.854">https://doi.org/10.5796/electrochemistry.84.854</a>	4	2019-2022	45	7
8	Electrochemical impedance and complex capacitance to interpret electrochemical capacitor	Masayuki ITAGAKI, Satoshi SUZUKI, Isao SHITANDA, Kunihiro WATANABE	75(8),649-655(2007)	<a href="https://doi.org/10.5796/electrochemistry.75.649">https://doi.org/10.5796/electrochemistry.75.649</a>	3	2020-2022	57	19
8	Ionic liquids for electrochemical devices	Rika HAGIWARA, Je Seung LEE	75(1),23-34(2007)	<a href="https://doi.org/10.5796/electrochemistry.75.23">https://doi.org/10.5796/electrochemistry.75.23</a>	3	2020-2022	138	9
10	Three-Dimensional Spatial Distributions of Pt Catalyst Nanoparticles on Carbon Substrates in Polymer Electrolyte Fuel Cells	Toshihiko ITO, Ukyo MATSUWAKI, Yuji OTSUKA, Masahiro HATTA, Katsuichiro HAYAKAWA, Koichi MATSUTANI, Tomoyuki TADA, Hiroshi JINNAI	79(5),374-376(2011)	<a href="https://doi.org/10.5796/electrochemistry.79.374">https://doi.org/10.5796/electrochemistry.79.374</a>	2	2021-2022	51	8