

Sayoko Shironita

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

143
citations

1307594

7
h-index

1281871

11
g-index

20
all docs

20
docs citations

20
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of chromium content on the corrosion resistance of ferritic stainless steels in sulfuric acid solution. <i>Heliyon</i> , 2018, 4, e00958.	3.2	50
2	Nafion thickness dependence of H ₂ O ₂ yield during O ₂ reduction at Nafion/Pt microelectrode studied by scanning electrochemical microscopy. <i>Electrochimica Acta</i> , 2013, 113, 773-778.	5.2	12
3	Is power generation possible by feeding carbon dioxide as reducing agent to polymer electrolyte fuel cell?. <i>Journal of Applied Physics</i> , 2013, 114, 174908.	2.5	11
4	Current-Potential Curves at Powder Catalyst-Packed Porous Microelectrode in the Presence of Both Methanol and Oxygen. <i>Electrochemistry</i> , 2011, 79, 349-352.	1.4	10
5	Adenosine as corrosion inhibitor for mild steel in hydrochloric acid solution. <i>Research on Chemical Intermediates</i> , 2017, 43, 1919-1934.	2.7	9
6	Mass Spectrometry Study of CO ₂ Electroreduction at Membrane Electrode Assembly Incorporating Pt-Ru/C. <i>Electrocatalysis</i> , 2018, 9, 213-219.	3.0	7
7	Constant-rate heating-induced thermal runaway in 18650-type Li-ion cells charged/discharged at 1 $\hat{\text{A}}$ °C: Effect of undischageable Li at anode. <i>Journal of Power Sources</i> , 2021, 505, 230082.	7.8	7
8	Evaluation of reaction selectivity at various Pt/C electrocatalysts using a porous microelectrode in the presence of methanol and oxygen. <i>Electrochimica Acta</i> , 2014, 128, 265-270.	5.2	6
9	Low Pt Loading and High Hydrogen Oxidation Reaction Performance at Pt/TiO ₂ â€“SiO ₂ Investigated by a Porous Microelectrode. <i>Catalysis Letters</i> , 2014, 144, 112-116.	2.6	6
10	Influence of Nitriding Surface Treatment on Corrosion Characteristics of Ni-free SUS445 Stainless Steel. <i>Electrochemistry</i> , 2016, 84, 709-713.	1.4	4
11	Peak Attribution of the Differential Capacity Profile of a LiCoO ₂ -based Three-electrode Li-ion Laminate Cell. <i>Electrochemistry</i> , 2022, 90, 037004-037004.	1.4	4
12	Ex situ microelectrode study of cathode catalyst degraded by long-term endurance test in polymer electrolyte fuel cell. <i>Electrochimica Acta</i> , 2014, 128, 259-264.	5.2	3
13	Effects of metal ions on Pt electrode dissolution in H ₂ SO ₄ solution enhanced by the presence of H ₂ O ₂ . <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, 043112.	2.0	2
14	Post-annealing Effects on Reaction Selectivity of Methanol Oxidation at Carbon-based Platinum Co-sputtered Electrocatalyst. <i>Electrochemistry</i> , 2015, 83, 368-371.	1.4	2
15	Quartz Crystal Microbalance Study of Adenosine as Inhibitor for Fe Corrosion in HCl Solution. <i>Electrochemistry</i> , 2016, 84, 959-962.	1.4	2
16	Studies of Electrocatalyst and Metallic Bipolar Plate for Polymer Electrolyte Fuel Cell. <i>Electrochemistry</i> , 2019, 87, 328-332.	1.4	2
17	Effect of Ammonium Salts on the Conductivity and Current Efficiency of Dimethyl Sulfone-Aluminum Chloride Electrolytes. <i>Journal of the Electrochemical Society</i> , 2022, 169, 042502.	2.9	2
18	Verification of Peak Attribution in Differential Capacity Profile by Varying the Electrode Capacity Balance in Three-electrode Li-ion Laminate Cells. <i>Electrochemistry</i> , 2022, 90, 067004-067004.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Laser irradiation illuminates uncertain degradation, leading to thermal runaway of 18650 cells charged/discharged at low temperatures. Journal of Power Sources, 2022, 542, 231767.	7.8	2
20	Oxygen reduction selectivity at Co-C-N prepared by reactive sputtering for direct methanol fuel cell. , 2012, , .		0