

# Shigenori Mitsushima

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13  
papers

53  
citations

5  
h-index

6  
g-index

45  
ext. papers

95  
ext. citations

2.3  
avg, IF

1.98  
L-index

#	Paper	IF	Citations
13	The Effect of Li <sub>x</sub> Ni <sub>2-x</sub> O <sub>2</sub> /Ni with Modification Method on Activity and Durability of Alkaline Water Electrolysis Anode. <i>Electrocatalysis</i> , <b>2018</b> , 9, 162-171	2.7	11
12	OER Activity of Ir-Ta-Zr Composite Anode as a Counter Electrode for Electrohydrogenation of Toluene. <i>Electrocatalysis</i> , <b>2016</b> , 7, 441-444	2.7	9
11	Electrocatalytic Activity and Durability of Li <sub>x</sub> Ni <sub>2-x</sub> O <sub>2</sub> /Ni Electrode Prepared by Oxidation with LiOH Melt for Alkaline Water Electrolysis. <i>Electrocatalysis</i> , <b>2017</b> , 8, 422-429	2.7	7
10	Challenge of advanced low temperature fuel cells based on high degree of freedom of group 4 and 5 metal oxides. <i>Current Opinion in Electrochemistry</i> , <b>2020</b> , 21, 234-241	7.2	5
9	A New Accelerated Durability Test Protocol for Water Oxidation Electrocatalysts of Renewable Energy Powered Alkaline Water Electrolyzers. <i>Electrochemistry</i> , <b>2021</b> , 89, 186-191	1.2	5
8	Quadruple perovskite oxides CaMn <sub>7</sub> O <sub>12</sub> proceed by two-active-site reaction mechanism for oxygen evolution reaction. <i>ChemElectroChem</i> ,	4.3	3
7	Microscopic high-speed video observation of oxygen bubble generation behavior and effects of anode electrode shape on OER performance in alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 11116-11127	6.7	3
6	Current Measurement and Electrochemical Characterization of Gas Evolution Reactions on a Rotating Ring-Disk Electrode. <i>Electrocatalysis</i> , <b>2020</b> , 11, 301-308	2.7	2
5	Effect of Semiconducting Properties of Oxide-Based Compounds on Oxygen Reduction Activity in Acidic Media. <i>ECS Transactions</i> , <b>2020</b> , 98, 457-464	1	2
4	Practical and Reliable Methanol Concentration Sensor for Direct Methanol Fuel Cells. <i>Electrochemistry</i> , <b>2021</b> , 89, 250-255	1.2	1
3	Control of Transport Water in Direct Toluene Electro-Hydrogenation Electrolyzer. <i>ECS Meeting Abstracts</i> , <b>2021</b> , MA2021-02, 1737-1737	0	0
2	Heat and Mass Balance Analysis of 130-W Active-type Direct-methanol Fuel Cell. <i>Electrochemistry</i> , <b>2022</b> , 90, 017007-017007	1.2	
1	Electrocatalytic Semihydrogenation of Alkynes to Z-Alkenes Using a Proton Exchange Membrane Reactor: Influence of Catalyst Materials on Product Selectivity and Reaction Rate. <i>ECS Meeting Abstracts</i> , <b>2020</b> , MA2020-01, 2499-2499	0	