

# Shigenori Mitsushima

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2373093/shigenori-mitsushima-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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	
12	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
11	Control of Transport Water in Direct Toluene Electro-Hydrogenation Electrolyzer. <i>ECS Meeting Abstracts</i> , <b>2021</b> , MA2021-02, 1737-1737	0	0
10	Practical and Reliable Methanol Concentration Sensor for Direct Methanol Fuel Cells. <i>Electrochemistry</i> , <b>2021</b> , 89, 250-255	1.2	1
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	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
7	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
6	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
5	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	
4	The Effect of Li x 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
3	Electrocatalytic Activity and Durability of Li x 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
2	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
1	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