Hirokazu Ishitobi

List of Publications by Year
in descending order

20	296	1040056 9	940533 16
papers	citations	h-index	g-index

20	20	20	380
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of deep oxidation and sulfonation of graphene oxide as low-temperature fuel cell electrolyte. International Journal of Hydrogen Energy, 2021, 46, 1085-1095.	7.1	2
2	A novel method to enhance the catalytic activity of PtRu on the support using CeO2 by high-energy ion-beam irradiation. Catalysis Today, 2021, 364, 118-124.	4.4	0
3	Activity Enhancement of a Carbon Electrode Material for Vanadium Redox Flow Battery by Electron-Beam Irradiation. Journal of Chemical Engineering of Japan, 2021, 54, 219-225.	0.6	5
4	Maximized specific activity for the methanol electrooxidation by the optimized PtRu-TiO2-carbon nano-composite structure. International Journal of Hydrogen Energy, 2019, 44, 30743-30753.	7.1	11
5	Visualized cell characteristics by a two-dimensional model of vanadium redox flow battery with interdigitated channel and thin active electrode. Electrochimica Acta, 2019, 313, 513-522.	5.2	22
6	Improved performance of direct methanol fuel cells with the porous catalyst layer using highly-active nanofiber catalyst. Carbon Resources Conversion, 2018, 1, 61-72.	5.9	20
7	Anode catalyst with enhanced ethanol electrooxidation activity by effective interaction between Pt-Sn-SiO2 for a direct ethanol fuel cell. International Journal of Hydrogen Energy, 2017, 42, 26897-26904.	7.1	22
8	Effect of the Impurities in Bioethanol on Current Density of a Direct Ethanol Fuel Cell. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2016, 95, 909-914.	0.2	1
9	Performances of Cathode Catalyst Layer with Carbon-Alloy Nanofiber in Different Length for Polymer Electrolyte Fuel Cells. Journal of Chemical Engineering of Japan, 2016, 49, 995-1001.	0.6	3
10	Effect of Embedded TiO₂ in Carbon Nanofiber Support on Pd Catalyst Activity for Formic Acid Oxidation. Key Engineering Materials, 2016, 698, 41-46.	0.4	1
11	Combination of Thermochemical Energy Storage and Small Pressurized Water Reactor for Cogeneration System. Energy Procedia, 2015, 71, 90-96.	1.8	3
12	Optimized CeO2 content of the carbon nanofiber support of PtRu catalyst for direct methanol fuel cells. Journal of Power Sources, 2015, 297, 400-407.	7.8	44
13	Dehydration and Hydration Behavior of Mgâ€“Co Mixed Hydroxide as a Material for Chemical Heat Storage. Journal of Chemical Engineering of Japan, 2014, 47, 579-586.	0.6	11
14	Improved reaction kinetics and selectivity by the TiO2-embedded carbon nanofiber support for electro-oxidation of ethanol on PtRu nanoparticles. Journal of Power Sources, 2014, 248, 330-336.	7.8	27
15	Dehydration and hydration behavior of metal-salt-modified materials for chemical heat pumps. Applied Thermal Engineering, 2013, 50, 1639-1644.	6.0	72
16	Evaluation of Heat Output Densities of Lithium Chloride-Modified Magnesium Hydroxide for Thermochemical Energy Storage. Industrial & Engineering Chemistry Research, 2013, 52, 5321-5325.	3.7	41
17	Dehydration and Hydration Behavior of Rare-earth Hydroxides for Chemical Heat Pumps. Chemistry Letters, 2012, 41, 583-584.	1.3	6
18	Enhanced Catalytic Activity of Pt for Electrooxidation of Ethanol by Using Silica-Carbon Composite as the Catalyst Support. Key Engineering Materials, 0, 698, 47-52.	0.4	2

#	Article	IF	Citations
19	Increased Current Density of a Redox Flow Battery with a Carbon Paper Partially Modified by Porous Carbon Nanofibers. Advanced Engineering Forum, 0, 38, 31-37.	0.3	2
20	Structure, Morphology and Catalytic Activity of PtRu/RGO Prepared by Different Processes. Advanced Engineering Forum, 0, 38, 38-46.	0.3	1