

Hirokazu Ishitobi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

296
citations

1040056

9
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Dehydration and hydration behavior of metal-salt-modified materials for chemical heat pumps. Applied Thermal Engineering, 2013, 50, 1639-1644.	6.0	72
2	Optimized CeO ₂ 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
3	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
4	Improved reaction kinetics and selectivity by the TiO ₂ -embedded carbon nanofiber support for electro-oxidation of ethanol on PtRu nanoparticles. Journal of Power Sources, 2014, 248, 330-336.	7.8	27
5	Anode catalyst with enhanced ethanol electrooxidation activity by effective interaction between Pt-Sn-SiO ₂ for a direct ethanol fuel cell. International Journal of Hydrogen Energy, 2017, 42, 26897-26904.	7.1	22
6	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
7	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
8	Dehydration and Hydration Behavior of Mg-Co Mixed Hydroxide as a Material for Chemical Heat Storage. Journal of Chemical Engineering of Japan, 2014, 47, 579-586.	0.6	11
9	Maximized specific activity for the methanol electrooxidation by the optimized PtRu-TiO ₂ -carbon nano-composite structure. International Journal of Hydrogen Energy, 2019, 44, 30743-30753.	7.1	11
10	Dehydration and Hydration Behavior of Rare-earth Hydroxides for Chemical Heat Pumps. Chemistry Letters, 2012, 41, 583-584.	1.3	6
11	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
12	Combination of Thermochemical Energy Storage and Small Pressurized Water Reactor for Cogeneration System. Energy Procedia, 2015, 71, 90-96.	1.8	3
13	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
14	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
15	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
16	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
17	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
18	Effect of Embedded TiO ₂ in Carbon Nanofiber Support on Pd Catalyst Activity for Formic Acid Oxidation. Key Engineering Materials, 2016, 698, 41-46.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Structure, Morphology and Catalytic Activity of PtRu/RGO Prepared by Different Processes. <i>Advanced Engineering Forum</i> , 0, 38, 38-46.	0.3	1
20	A novel method to enhance the catalytic activity of PtRu on the support using CeO ₂ by high-energy ion-beam irradiation. <i>Catalysis Today</i> , 2021, 364, 118-124.	4.4	0