

Kousuke Nishida

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

452
citations

1040056

9
h-index

940533

16
g-index

31
all docs

31
docs citations

31
times ranked

448
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of entropy generation and exergy loss during combustion. Proceedings of the Combustion Institute, 2002, 29, 869-874.	3.9	136
2	Water content distribution in a polymer electrolyte membrane for advanced fuel cell system with liquid water supply. Magnetic Resonance Imaging, 2005, 23, 255-258.	1.8	74
3	Regenerative steam-injection gas-turbine systems. Applied Energy, 2005, 81, 231-246.	10.1	60
4	Measurement of liquid water content in cathode gas diffusion electrode of polymer electrolyte fuel cell. Journal of Power Sources, 2010, 195, 3365-3373.	7.8	60
5	Impacts of channel wettability and flow direction on liquid water transport in the serpentine flow field of a polymer electrolyte fuel cell. Journal of Power Sources, 2015, 275, 447-457.	7.8	31
6	Investigation of the Lateral Water Distribution in a Proton Exchange Membrane in Fuel Cell Operation by 3D-MRI. ECS Transactions, 2006, 1, 199-205.	0.5	25
7	Detection of water vapor in cathode gas diffusion layer of polymer electrolyte fuel cell using water sensitive paper. Journal of Power Sources, 2012, 199, 155-160.	7.8	12
8	Microscopic Visualization of State and Behavior of Liquid Water in a Gas Diffusion Layer of PEFC. Electrochemistry, 2007, 75, 149-151.	1.4	11
9	Quantitative estimation of water vapor distribution in low-humidity proton exchange membrane fuel cell using humidity test paper. Journal of Power Sources, 2013, 234, 111-118.	7.8	11
10	Performance Evaluation of Multi-Stage SOFC and Gas Turbine Combined Systems. , 2002, , 333.		6
11	Visualization of Microscopic Behavior and Promotion of Water Removal in a Porous Electrode of Polymer Electrolyte Fuel Cell. Kagaku Kogaku Ronbunshu, 2007, 33, 181-185.	0.3	6
12	Process Analysis and Evaluation of Exergy Loss in Solid Oxide Fuel Cell. JSME International Journal Series B, 2004, 47, 786-794.	0.3	4
13	Non-Contact Measurement of H ₂ O Concentration in a Fuel Cell Channel by Tunable Diode Laser Absorption Spectroscopy. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1627-1632.	0.2	4
14	Image Measurement of Water Droplets in Cathode of PEFC Based on Background Subtraction Method. ECS Transactions, 2011, 41, 419-428.	0.5	3
15	Optical Visualization and Spectroscopic Techniques for Probing Water Transport in a Polymer Electrolyte Fuel Cell. ChemElectroChem, 2015, 2, 1458-1470.	3.4	2
16	Performance Analysis of Regenerative Steam Injection Gas Turbine (RSTIG) Systems. , 2003, , 379.		1
17	Analysis of Electrochemical Performance and Exergy Loss in Solid Oxide Fuel Cell. , 2003, , 85.		1
18	Performance Analysis of Tubular Type Internal Reforming SOFC. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 229-236.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Measurement of Water, Temperature and Current Distributions in Anode of Polymer Electrolyte Fuel Cell During Low Humidity Operation. , 2011, , .		1
20	Visualization Measurement of Water Freezing in the Cathode of a Polymer Electrolyte Fuel Cell during Cold Startup. Kagaku Kogaku Ronbunshu, 2011, 37, 57-63.	0.3	1
21	Measurement of Water Distribution in Anode of Polymer Electrolyte Fuel Cell Under Low Humidity Conditions. , 2009, , .		1
22	Quantitative Evaluation of Liquid Water at Cathode Interface of Polymer Electrolyte Fuel Cell Using Near-Infrared Reflectance Spectroscopy. , 2010, , .		1
23	Effects of Wettability and Flow Direction of Cathode Channel on Plugging Phenomenon in Polymer Electrolyte Fuel Cell. , 2011, , .		0
24	In Situ Measurement of Flow Velocity in Gas Channel in a PEMFC by Laser Ablation Tagging Visualization. ECS Transactions, 2011, 41, 561-567.	0.5	0
25	Water Management and Experimental Diagnostics in Polymer Electrolyte Fuel Cell. , 0, , .		0
26	Effects of Channel Structure and Wettability on Liquid Water Transport in Cathode of PEFC. ECS Transactions, 2013, 50, 375-384.	0.5	0
27	Numerical simulation on water transport in a PEFC cathode with porous gas diffusion layer. The Proceedings of the Thermal Engineering Conference, 2004, 2004, 35-36.	0.0	0
28	Visualization of Water Transport and Freezing Process in a Gas Diffusion Layer of PEFC During Low Temperature Operation. , 2007, , .		0
29	C210 EXPERIMENTAL VISUALIZATION AND NUMERICAL SIMULATION OF WATER TRANSPORT IN GAS DIFFUSION LAYER OF PEFC(Fuel Cell-2). The Proceedings of the International Conference on Power Engineering (ICOPE), 2009, 2009.2, _2-231_- _2-236_.	0.0	0
30	Effects of Channel Structure and Wettability on Liquid Water Transport in the Cathode of a Polymer Electrolyte Fuel Cell. Kagaku Kogaku Ronbunshu, 2014, 40, 320-326.	0.3	0