Yuji Ando

List of Publications by Year in descending order

21 papers	277 citations	1163117 8 h-index	888059 17 g-index
21 all docs	21 docs citations	21 times ranked	403 citing authors

#	Article	IF	Citations
1	Novel Sensing Technology for Real-Time Detection of Carbon Deposition on a Solid Catalyst Using the Resonance Frequency Shift of Single-Mode Microwave. Industrial & Engineering Chemistry Research, 2019, 58, 13007-13012.	3.7	5
2	Ethanol steam reforming with two-stage catalyst system for selective methane production. International Journal of Hydrogen Energy, 2019, 44, 18724-18731.	7.1	3
3	Role of Fe in Coâ€“Fe particle catalysts for suppressing CH4 production during ethanol steam reforming for hydrogen production. International Journal of Hydrogen Energy, 2016, 41, 12862-12868.	7.1	14
4	Comparison of Co Particle Catalysts and Supported Cobalt Catalysts for Ethanol Steam Reforming: Primary Factors for Suppressed CH4 Production and Enhanced H2 and CO2 Production. Bulletin of the Chemical Society of Japan, 2014, 87, 1016-1022.	3.2	3
5	Hydrogen Production from Ethanol Steam Reforming over Noble Metal Catalysts Supported on SiO2: Mechanism of Methane Production and Reaction Conditions for Suppression of Methane Production. Bulletin of the Chemical Society of Japan, 2012, 85, 517-521.	3.2	8
6	Controllable Deposition of Alloy Clusters or Nanoparticles Catalysts on Carbon Surfaces. Bulletin of the Chemical Society of Japan, 2011, 84, 862-866.	3.2	0
7	Electrocatalysts for methanol oxidation with ultra low content of Pt and Ru. Electrochemistry Communications, 2009, 11, 1135-1138.	4.7	65
8	Investigation on proton exchange membrane fuel cell for solar power generation. International Journal of Sustainable Energy, 2007, 26, 107-119.	2.4	5
9	Characteristics of a Hydrogen Concentration Cell Constituted with a Redox Pair of 2-Propanol Dehydrogenation and Acetone Hydrogenation. Bulletin of the Chemical Society of Japan, 2005, 78, 1026-1031.	3.2	2
10	Proposal for a new system for simultaneous production of hydrogen and hydrogen peroxide by water electrolysis. International Journal of Hydrogen Energy, 2004, 29, 1349-1354.	7.1	73
11	Effect of Catalytic and Electrochemical Acetone Hydrogenation on the Iâ€“V Characteristics of an Acetone/Hydrogen-Based Thermally Regenerative Fuel Cell. Bulletin of the Chemical Society of Japan, 2004, 77, 1855-1859.	3.2	7
12	Regenerative fuel cell with chemical reactions. Energy Conversion and Management, 2003, 44, 611-628.	9.2	24
13	Influence of the internal structure and temperature in the reaction layer on the electric output in a solar thermal cell. Energy Conversion and Management, 2003, 44, 2811-2819.	9.2	4
14	Reaction Mechanism of 2-Propanol Dehydrogenation with a Carbon-Supported Ruâ€“Pt Composite Catalyst in the Liquid Phase. Bulletin of the Chemical Society of Japan, 2003, 76, 2045-2049.	3.2	21
15	Solar Tri-Generation: New Concept of Solar Energy System. , 2003, , .		0
16	Proposal of Simultaneous Production Method of Hydrogen and Hydrogen Peroxide From Water Using Solar Photo-Electrochemistry. , 2003, , .		0
17	A study on a thermally regenerative fuel cell utilizing low-temperature thermal energy. Energy Conversion and Management, 2001, 42, 1807-1816.	9.2	22
18	Application of Photocatalyst to 2-Propanol Dehydrogenation Process in Thermally Regenerative Fuel Cell Utilizing Solar Heat.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 2001, , 457-462.	0.1	1

#	Article	IF	Citations
19	Study of photocatalytic 2-propanol dehydrogenation for solar thermal cell. , 2000, , .		2
20	A Deuterium-Labeling Study on the Dehydrogenation of 2-Propanol with Ruâ€“Pt/Carbon Catalyst in the Liquid-Film State Effective for the 2-Propanol/Acetone/Hydrogen Chemical Heat-Pump System. Bulletin of the Chemical Society of Japan, 1999, 72, 669-672.	3.2	14
21	Carbon-supported dehydrogenation catalysts composed of platinum and ruthenium metals. Studies in Surface Science and Catalysis, 1993, , 313-316.	1.5	4