

Hiroyuki Yamaura

List of Publications by Year in descending order

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31
papers

893
citations

687363

13
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1103
citing authors

#	ARTICLE	IF	CITATIONS
1	Indium oxide-based gas sensor for selective detection of CO. <i>Sensors and Actuators B: Chemical</i> , 1996, 36, 325-332.	7.8	166
2	Mechanism of sensitivity promotion in CO sensor using indium oxide and cobalt oxide. <i>Sensors and Actuators B: Chemical</i> , 2000, 65, 39-41.	7.8	141
3	Highly Selective CO Sensor Using Indium Oxide Doubly Promoted by Cobalt Oxide and Gold. <i>Journal of the Electrochemical Society</i> , 1997, 144, L158-L160.	2.9	126
4	Study on the supported Cu-based catalysts for the low-temperature water-gas shift reaction. <i>Catalysis Today</i> , 2007, 126, 436-440.	4.4	89
5	Effect of calcination temperature on the catalytic activity of copper supported on γ -alumina for the water-gas-shift reaction. <i>Catalysis Communications</i> , 2006, 7, 228-231.	3.3	58
6	Photocatalytic partial oxidation of p -methylstyrene over TiO ₂ supported on zeolites. <i>Catalysis Today</i> , 2007, 120, 158-162.	4.4	58
7	Selective CO Detection by Using Indium Oxide-Based Semiconductor Gas Sensor. <i>Journal of the Electrochemical Society</i> , 1996, 143, L36-L37.	2.9	44
8	CuO/SnO ₂ -In ₂ O ₃ sensor for monitoring CO concentration in a reducing atmosphere. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 465-467.	7.8	33
9	Fabrication of BaCe _{0.8} Y _{0.2} O ₃ dense film on perovskite-type oxide electrode substrates. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4229-4232.	5.7	21
10	Catalytic Activity of Multi-metallic Perovskite-Type Oxide Prepared by the Thermal Decomposition of Heteronuclear Cyano Complex, Sm[Fe _x Co _{1-x} (CN) ₆]·nH ₂ O. <i>Topics in Catalysis</i> , 2009, 52, 823-827.	2.8	21
11	Influence of microstructure of perovskite-type oxide cathodes on electrochemical performances of proton-conducting solid oxide fuel cells operated at low temperature. <i>Journal of Power Sources</i> , 2011, 196, 1136-1140.	7.8	15
12	Direct decomposition of nitrogen monoxide over Cu-MFI containing rare-earth elements: Sm and Gd as promoter. <i>Catalysis Today</i> , 2007, 126, 284-289.	4.4	13
13	Photocatalytic activities for partial oxidation of p -methylstyrene over zeolite-supported titanium dioxide and the influence of water addition to reaction solvent. <i>Electrochimica Acta</i> , 2010, 55, 7745-7750.	5.2	13
14	Cyanosilylation of benzaldehyde with TMSCN over perovskite-type oxide catalyst prepared by thermal decomposition of heteronuclear cyano complex precursors. <i>Research on Chemical Intermediates</i> , 2015, 41, 9551-9560.	2.7	13
15	Promotion Effect of FeO _x Addition on the Catalytic Activity of Supported Cu Catalysts for the Water-gas Shift Reaction. <i>Catalysis Letters</i> , 2008, 124, 233-237.	2.6	12
16	Self-propagating high-temperature synthesis of highly dispersed noble metals on ceria powder: Application to Pd/CeO ₂ catalyst. <i>Ceramics International</i> , 2017, 43, 14533-14536.	4.8	10
17	Influence of coexisting Al ₂ O ₃ on the activity of copper catalyst for water-gas-shift reaction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 20639-20645.	7.1	9
18	Copper-phthalocyanine encapsulated into zeolite-Y with high Si/Al: An EPR study. <i>Chemical Physics Letters</i> , 2005, 415, 126-130.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Electrophoretically Coated Wire Meshes as Current Collectors for Solid Oxide Fuel Cell. ECS Transactions, 2007, 7, 1319-1325.	0.5	7
20	CO Sensing Property of Transition Metal Oxide-Loaded SnO ₂ in a Reducing Atmosphere. Materials and Manufacturing Processes, 2010, 25, 350-353.	4.7	6
21	Electrochemical Performances of Proton-Conducting SOFC with La-Sr-Fe-O Cathode Fabricated by Electrophoretic Deposition Techniques. Electrochemistry, 2009, 77, 143-145.	1.4	5
22	Effect of Transition-metal Oxide Additives for Water-gas-shift Reaction over Supported Copper Catalyst. Chemistry Letters, 2009, 38, 172-173.	1.3	5
23	Anode Performance of Ni/(CeO ₂) _{1-x} (LnO _{1.5}) _x (Ln: Lanthanoids) in SOFCs Using Hydrocarbon Fuels. ECS Transactions, 2007, 7, 1711-1716.	0.5	4
24	Carbon Oxidation Reaction over Pt/Spherical Alumina Beads Catalysts Prepared by Sputtering Method. Topics in Catalysis, 2010, 53, 648-653.	2.8	4
25	Improvement of the carbon oxidation activity of Cu-MFI by high-temperature pretreatment. Catalysis Communications, 2010, 11, 820-823.	3.3	3
26	Cyanosilylation of Benzaldehyde with Trimethylsilyl cyanide over Zn-Sn Mixed Oxide Catalysts with Cubic-shaped Particles. Chemistry Letters, 2016, 45, 851-853.	1.3	3
27	PM oxidation over Ag-loaded perovskite-type oxide catalyst prepared by thermal decomposition of heteronuclear cyano-complex precursor. Catalysis Today, 2019, 332, 83-88.	4.4	3
28	Study on the Perovskite-type Oxide Cathodes in Proton-conducting SOFC. Materials Research Society Symposia Proceedings, 2006, 972, 1.	0.1	2
29	Phase separation in the system with sodium silicate and sodium dodecyl sulfate under acidic conditions. Journal of the Ceramic Society of Japan, 2010, 118, 295-299.	1.1	1
30	Effect of pretreatment on carbon oxidation activity over copper ion-exchanged zeolite catalysts. Research on Chemical Intermediates, 2011, 37, 1157-1164.	2.7	1
31	Improvement of In ₂ O ₃ -Based CO Sensor by Using Surface Modifiers. IEJ Transactions on Sensors and Micromachines, 1998, 118, 100-105.	0.1	0