

Atsuko Tomita

List of Publications by Year in descending order

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citations

257101

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all docs

49
docs citations

49
times ranked

1350
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of model for estimating rate constant of SCR reaction over hydrothermally aged Cu-CHA catalyst. Transactions of the JSME (in Japanese), 2022, , .	0.1	0
2	A Robust Mesoporous Al ₂ O ₃ -Based Nanocomposite Catalyst for Abundant NO _x Storage with Rational Design of Pt and Ba Species. Chemistry - A European Journal, 2021, 27, 6706-6712.	1.7	3
3	Effect of water treatment and Ce doping of Pt/Al ₂ O ₃ catalysts on Pt sintering and propane oxidation. Research on Chemical Intermediates, 2021, 47, 2935-2950.	1.3	5
4	Understanding of NO _x storage property of impregnated Ba species after crystallization of mesoporous alumina powders. Journal of Hazardous Materials, 2020, 398, 122791.	6.5	11
5	Deactivation Mechanism of Pd/CeO ₂ -ZrO ₂ Three-Way Catalysts Analyzed by Chassis-Dynamometer Tests and <i>In Situ</i> Diffuse Reflectance Spectroscopy. ACS Catalysis, 2019, 9, 6415-6424.	5.5	40
6	In Situ Time-Resolved Redox Dynamics of Pd Catalysts Under Oscillating A/F Conditions. Topics in Catalysis, 2019, 62, 345-350.	1.3	5
7	Mesopore Connectivity Improving Aerosol-Assisted Synthesis of Mesoporous Alumina Powders with High Surface Area. Langmuir, 2018, 34, 13781-13787.	1.6	21
8	Mechanism of Low-Temperature Carbon Combustion Over Ag-Pd/Alumina Catalysts. ChemistrySelect, 2017, 2, 8632-8637.	0.7	0
9	Effect of water treatment and Fe doping on Pt sintering and the propane oxidation activity of Pt/Al ₂ O ₃ . Applied Catalysis A: General, 2016, 522, 138-144.	2.2	20
10	Fe K-Edge X-ray Absorption Fine Structure Determination of Al ₂ O ₃ -Supported Iron-Oxide Species. ChemPhysChem, 2015, 16, 2015-2020.	1.0	11
11	Importance of Metal-oxide Interfaces for Low Temperature CO Oxidation over Supported Au and FeO _x /Promoted Pt Catalysts. Journal of the Japan Petroleum Institute, 2015, 58, 218-227.	0.4	7
12	Effect of Metal Oxide Promoters on Low Temperature CO Oxidation over Water-Pretreated Pt/Alumina Catalysts. Catalysis Letters, 2014, 144, 1689-1695.	1.4	13
13	C-3 alkylation of oxindole with alcohols by Pt/CeO ₂ catalyst in additive-free conditions. Catalysis Science and Technology, 2014, 4, 1064-1069.	2.1	46
14	Mechanism of Low-Temperature CO Oxidation on Pt/Fe-Containing Alumina Catalysts Pretreated with Water. Journal of Physical Chemistry C, 2013, 117, 1268-1277.	1.5	45
15	Pt/Fe-containing alumina catalysts prepared and treated with water under moderate conditions exhibit low-temperature CO oxidation activity. Catalysis Communications, 2012, 17, 194-199.	1.6	33
16	A Single-Chamber SOFC Stack: Energy Recovery from Engine Exhaust. Fuel Cells, 2008, 8, 322-329.	1.5	27
17	Direct Oxidation of Methane to Methanol at Low Temperature and Pressure in an Electrochemical Fuel Cell. Angewandte Chemie - International Edition, 2008, 47, 1462-1464.	7.2	89
18	A Proton-Conducting Fuel Cell Operating with Hydrocarbon Fuels. Angewandte Chemie - International Edition, 2008, 47, 7841-7844.	7.2	68

#	ARTICLE	IF	CITATIONS
19	De-NO _x reactor and NO _x sensor using In ³⁺ -doped SnP ₂ O ₇ with PtRhBa/C electrode. Solid State Ionics, 2008, 179, 1655-1661.	1.3	6
20	A Single-Chamber SOFC Stack Operating in Engine Exhaust. Electrochemical and Solid-State Letters, 2008, 11, B29.	2.2	34
21	Nano-Sized Electrochemical Reactors for Selective NO _x Reduction. Electrochemical and Solid-State Letters, 2008, 11, P9.	2.2	1
22	Blocking of Electronic Current through a Ce _{0.9} Gd _{0.1} O _{1.95} Electrolyte Film by Growth of a Thin BaCe _{1-x} Gd _x O _{3±} Layer. Electrochemical and Solid-State Letters, 2008, 11, B68.	2.2	20
23	Single-Chamber SOFCs Using Dimethyl Ether and Ethanol. Journal of the Electrochemical Society, 2007, 154, B865.	1.3	18
24	Sn _{0.9} In _{0.1} P ₂ O ₇ -Based Organic/Inorganic Composite Membranes. Journal of the Electrochemical Society, 2007, 154, B63.	1.3	34
25	Intermediate-Temperature Proton Conduction in Al ³⁺ -Doped SnP ₂ O ₇ . Journal of the Electrochemical Society, 2007, 154, B1265.	1.3	95
26	Room-Temperature Hydrogen Sensors Based on an In ³⁺ -Doped SnP ₂ O ₇ Proton Conductor. Journal of the Electrochemical Society, 2007, 154, J172.	1.3	28
27	Recent advances in single-chamber solid oxide fuel cells: A review. Solid State Ionics, 2007, 177, 3351-3359.	1.3	238
28	Selective catalytic reduction of NO _x by H ₂ using proton conductors as catalyst supports. Journal of Catalysis, 2007, 247, 137-144.	3.1	46
29	An Intermediate-Temperature Fuel Cell Using a Proton-Conducting Sn _{0.9} In _{0.1} P ₂ O ₇ Electrolyte. Transactions of the Materials Research Society of Japan, 2007, 32, 951-954.	0.2	0
30	A Proton-Conducting In ³⁺ -Doped SnP ₂ O ₇ Electrolyte for Intermediate-Temperature Fuel Cells. Electrochemical and Solid-State Letters, 2006, 9, A105.	2.2	135
31	Proton Conduction in In ³⁺ -Doped SnP ₂ O ₇ at Intermediate Temperatures. Journal of the Electrochemical Society, 2006, 153, A1604.	1.3	149
32	Chemical and redox stabilities of a solid oxide fuel cell with BaCe _{0.8} Y _{0.2} O _{3±} functioning as an electrolyte and as an anode. Solid State Ionics, 2006, 177, 2951-2956.	1.3	41
33	Proton Conduction in In ³⁺ -doped SnP ₂ O ₇ with Various P/(Sn+In) Ratios. ECS Transactions, 2006, 2, 43-49.	0.3	2
34	Intermediate-Temperature NO _x Sensor Based on an In ³⁺ -Doped SnP ₂ O ₇ Proton Conductor. Electrochemical and Solid-State Letters, 2006, 9, H48.	2.2	21
35	Comparative Performance of Anode-Supported SOFCs Using a Thin Ce _{0.9} Gd _{0.1} O _{1.95} Electrolyte with an Incorporated BaCe _{0.8} Y _{0.2} O _{3±} Layer in Hydrogen and Methane. Journal of the Electrochemical Society, 2006, 153, A956.	1.3	46
36	Improvement of a reduction-resistant CeSmO electrolyte by optimizing a thin BaCeSmO layer for intermediate-temperature SOFCs. Solid State Ionics, 2005, 176, 881-887.	1.3	93

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37	Single-Chamber SOFCs with a Ce _{0.9} Gd _{0.1} O _{1.95} Electrolyte Film for Low-Temperature Operation. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, A63.	2.2	30
38	Surface Modification of a Doped BaCeO ₃ to Function as an Electrolyte and as an Anode for SOFCs. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, A333.	2.2	15
39	Solid oxide fuel cells operating without using an anode material. <i>Solid State Ionics</i> , 2004, 168, 23-29.	1.3	25
40	SOFC-type microreactors that generate hydrogen for PEFC applications. <i>Solid State Ionics</i> , 2004, 174, 9-13.	1.3	0
41	Design of a Reduction-Resistant Ce _{0.8} Sm _{0.2} O _{1.9} Electrolyte Through Growth of a Thin BaCe _{1-x} Sm _x O _{3±} Layer over Electrolyte Surface. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, A318.	2.2	54
42	Preparations and Electrochemical Properties of Pyrazine-Bridged Ruthenium-Binuclear Complexes Exhibiting Molecular Hysteresis. <i>Inorganic Chemistry</i> , 2000, 39, 200-205.	1.9	34
43	Equilibria, kinetics and mechanism of complexation of 5,10,15,20-tetrakis(4-sulfonatophenyl)porphyrin and its N-methylated derivative with cadmium(II) and zinc(II) ions in aqueous solution at various temperatures and pressures. Effects of metal ion size and porphyrin ring deformation on metal ion incorporation. <i>Inorganica Chimica Acta</i> , 1997, 256, 77-85.	1.2	30
44	Electron Transfer Reaction Accompanied by a Structural Change. In the Case of Reaction with [Ru(NH ₃) ₅ (butyl sulfoxide)] ²⁺ and cis-[Ru(NH ₃) ₄ (pyridine-4-carboxamide) ₂] ³⁺ . <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 977-981.	2.0	7
45	Determination of Memory Life of a Molecular Hysteresis Molecule by Thin Layer CV. <i>Chemistry Letters</i> , 1996, 25, 981-982.	0.7	5
46	Linkage Isomerizations of (Sulfoxide)ammineruthenium Complexes Induced by Electrochemical Processes. <i>Inorganic Chemistry</i> , 1994, 33, 5825-5830.	1.9	46
47	Kinetic Modeling Study of NO _x Conversion Based on Physicochemical Characteristics of Hydrothermally Aged SCR/DPF Catalyst. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 10, .	0.2	5