

Yuichi Ichihashi

List of Publications by Year in descending order

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101
papers

4,903
citations

145106

33
h-index

104191

69
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all docs

101
docs citations

101
times ranked

5091
citing authors

#	ARTICLE	IF	CITATIONS
19	Photocatalytic Decomposition of NH ₃ Over Fe-Doped TiO ₂ Prepared by Solid-State Impregnation. Nanostructure Science and Technology, 2016, , 201-209.	0.1	0
20	Selective catalytic oxidation of benzene over Cu/Ti/HZSM-5 under low oxygen pressure for one step synthesis of phenol. Journal of Molecular Catalysis A, 2016, 411, 372-376.	4.8	24
21	Study of Benzene Hydroxylation in Liquid Phase Using Mono- and Binuclear Copper Complex Catalysts. Chemistry Letters, 2015, 44, 384-386.	0.7	3
22	Preparation of Silica-Coated SnPt Bimetallic Nanoparticle Catalysts for the Selective Hydrogenation of Cinnamaldehyde. Journal of Chemical Engineering of Japan, 2014, 47, 130-135.	0.3	3
23	Photocatalytic decomposition of NH ₃ over TiO ₂ catalysts doped with Fe. Applied Catalysis B: Environmental, 2014, 160-161, 200-203.	10.8	60
24	Liquid-phase Oxidation of Benzene with Molecular Oxygen over Vanadium Complex Catalysts Encapsulated in Y-Zeolite. Chemistry Letters, 2014, 43, 1734-1736.	0.7	9
25	Oxidation of cyclohexane with hydrogen peroxide over β -zeolites with various Si/Al ratios. Catalysis Today, 2013, 203, 60-65.	2.2	8
26	Cutting-Edge Research at the Membrane Center in Kobe University in Japan. Biotechnology and Biotechnological Equipment, 2013, 27, 3478-3484.	0.5	0
27	Development of Photocatalysts for Hydrogen Production from Methane and Water. Journal of Smart Processing, 2013, 2, 282-286.	0.0	0
28	Evaluation of Active Sites over the UHV Treated Pd Foil Surface. Hyomen Kagaku, 2012, 33, 394-398.	0.0	0
29	Preparation of Sn-modified silica-coated Pt catalysts: A new PtSn bimetallic model catalyst for selective hydrogenation of crotonaldehyde. Journal of Catalysis, 2012, 288, 84-91.	3.1	77
30	Preparation of SiO ₂ -encapsulated SnPt nanoparticle catalysts for selective hydrogenation of unsaturated aldehyde. Catalysis Communications, 2011, 14, 6-9.	1.6	16
31	XAFS study of the complex of an acetylacetonate-based ligand and copper ion. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 293-296.	1.6	3
32	Kinetic Analysis of Syngas Formation from Carbon Dioxide (Dry Reforming of Methane with Carbon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	1
33	One-Step Oxidation of Benzene to Phenol over Cu/Ti/HZSM-5 Catalysts. Catalysis Letters, 2010, 134, 324-329.	1.4	21
34	Photodecomposition of water with methane over titanium oxide photocatalysts modified with metal. Research on Chemical Intermediates, 2010, 36, 463-472.	1.3	4
35	Influence of Preparation Methods of Supported Zr Oxide Catalysts for Meerwein-Ponndorf-Verley Reduction of Acetophenone. Materials Science Forum, 2010, 658, 420-423.	0.3	3
36	Study of Cyclohexane Photooxidation over Pt-WO ₃ Catalysts Mixed with TiO ₂ under Visible Light Irradiation. Materials Science Forum, 2010, 658, 149-152.	0.3	1

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37	Liquid-Phase Oxidation of Benzene to Phenol by Molecular Oxygen over La Catalysts Supported on HZSM-5. <i>Topics in Catalysis</i> , 2008, 47, 98-100.	1.3	17
38	Direct photo-oxidation of benzene to phenol over Ti/Si binary oxide prepared by sol-gel method. <i>Research on Chemical Intermediates</i> , 2008, 34, 525-533.	1.3	3
39	Active phases and sulfur tolerance of bimetallic Pd-Pt catalysts used for hydrotreatment. <i>Applied Catalysis A: General</i> , 2007, 322, 152-171.	2.2	100
40	Promoting Effect and Role of Alkaline Earth Metal Added to Supported Ag Catalysts in the Gas-Phase Catalytic Oxidation of Benzyl Alcohol. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 8837-8845.	1.8	36
41	Zinc Powder as an Effective Reducing Reagent during Liquid-Phase Oxidation of Benzene to Phenol Using Molecular Oxygen over V-Substituted Heteropoly Acid Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7444-7450.	1.8	36
42	Promoted partial oxidation activity of alkali metal added-Co catalysts supported on NaY and NaUSY zeolites in the gas-phase catalytic oxidation of benzyl alcohol. <i>Journal of Molecular Catalysis A</i> , 2006, 259, 108-115.	4.8	24
43	Hydrogen Transfer Activity of Tin-Incorporated Mesoporous Silica. <i>Journal of Chemical Engineering of Japan</i> , 2005, 38, 801-806.	0.3	2
44	Liquid-phase oxidative coupling of 2-naphthol by vanadium catalysts supported on MCM-41. <i>Journal of Molecular Catalysis A</i> , 2005, 231, 235-240.	4.8	12
45	Effect of noble metal particle size on the sulfur tolerance of monometallic Pd and Pt catalysts supported on high-silica USY zeolite. <i>Applied Catalysis A: General</i> , 2005, 286, 249-257.	2.2	42
46	Promoted partial oxidation activity of supported Ag catalysts in the gas-phase catalytic oxidation of benzyl alcohol. <i>Journal of Catalysis</i> , 2005, 234, 308-317.	3.1	87
47	Low temperature methanol synthesis from carbon monoxide and hydrogen over ceria supported copper catalyst. <i>Applied Catalysis A: General</i> , 2005, 282, 221-226.	2.2	30
48	Gas-Phase Catalytic Oxidation of Benzene to Phenol over Cu-Impregnated HZSM-5 Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 8765-8772.	1.8	33
49	Liquid-Phase Oxidation of Benzene to Phenol over V-Substituted Heteropolyacid Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1-7.	1.8	69
50	Chemical promotional effect of gold added to palladium supported on cerium oxide in catalytic methanol decomposition. <i>Journal of Molecular Catalysis A</i> , 2004, 213, 251-255.	4.8	22
51	Promotion Effect of Alkali Metal Added to Impregnated Cobalt Catalysts in the Gas-Phase Catalytic Oxidation of Benzyl Alcohol. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 6021-6026.	1.8	29
52	Catalytic Methanol Decomposition Over Palladium Deposited on Mesoporous Cerium Oxide. <i>Catalysis Letters</i> , 2003, 88, 83-87.	1.4	27
53	Catalytic methanol decomposition over palladium deposited on thermally stable mesoporous titanium oxide. <i>Journal of Molecular Catalysis A</i> , 2003, 198, 303-308.	4.8	42
54	Effect of H ₂ O on the partial photo-oxidation of ethylene over Cu/SiO ₂ photocatalyst. <i>Research on Chemical Intermediates</i> , 2003, 29, 891-896.	1.3	3

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55	Simple Preparation Method of Isolated Iron (III) Species on Silica Surface. Chemistry Letters, 2003, 32, 208-209.	0.7	10
56	Photooxidation of ethylene over Cu-modified and unmodified silica. International Journal of Photoenergy, 2003, 5, 27-29.	1.4	0
57	Performance of Au/TiO ₂ catalyst under ambient conditions. Catalysis Today, 2002, 72, 89-94.	2.2	140
58	A Comparative Study of Palladium and Copper Catalysts in Methanol Synthesis. Catalysis Letters, 2002, 79, 125-127.	1.4	32
59	Title is missing!. Catalysis Letters, 2002, 83, 33-35.	1.4	27
60	Application of ion beam techniques for preparation of metal ion-implanted TiO ₂ thin film photocatalyst available under visible light irradiation: metal ion-implantation and ionized cluster beam method. Journal of Synchrotron Radiation, 2001, 8, 569-571.	1.0	126
61	Influence of palladium precursors on methanol synthesis from CO hydrogenation over Pd/CeO ₂ catalysts prepared by deposition and precipitation method. Applied Catalysis A: General, 2001, 217, 165-172.	2.2	39
62	Effect of reduction temperature on structural properties and CO/CO ₂ hydrogenation characteristics of a Pd-CeO ₂ catalyst. Applied Catalysis A: General, 2001, 217, 231-239.	2.2	40
63	Low-Temperature Methanol Synthesis Catalyzed over Ultrafine Palladium Particles Supported on Cerium Oxide. Journal of Catalysis, 2001, 197, 267-272.	3.1	73
64	Partial Photooxidation of Ethylene with Water as Oxidant over Copper Oxide Supported on Silica. Journal of Catalysis, 2001, 202, 427-429.	3.1	9
65	Growth of Pd particles in methanol synthesis over Pd/CeO ₂ . Catalysis Letters, 2001, 73, 161-165.	1.4	23
66	Title is missing!. Catalysis Letters, 2001, 76, 139-142.	1.4	29
67	The design and development of second-generation titanium oxide photocatalysts able to operate under visible light irradiation by applying a metal ion-implantation method. Research on Chemical Intermediates, 2001, 27, 459-467.	1.3	104
68	Formation of ethylene oxide by photooxidation of ethylene over silica modified with copper. Studies in Surface Science and Catalysis, 2000, 130, 1955-1960.	1.5	4
69	Surface properties of palladium supported on cerium oxide and its catalytic activity for methanol decomposition. Studies in Surface Science and Catalysis, 2000, 130, 2315-2320.	1.5	5
70	Surface Reducibility of Cerium Oxide Modified with Palladium. Chemistry Letters, 2000, 29, 880-881.	0.7	4
71	Preparation of efficient titanium oxide photocatalysts by an ionized cluster beam (ICB) method and their photocatalytic reactivities for the purification of water. Catalysis Today, 2000, 63, 63-69.	2.2	85
72	Title is missing!. Catalysis Letters, 2000, 64, 23-25.	1.4	60

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73	Structural change of palladium particles supported on cerium oxide in catalytic methanol synthesis. <i>Catalysis Letters</i> , 2000, 68, 181-183.	1.4	18
74	Preparation of efficient titanium oxide photocatalysts by an ionized cluster beam method and their application for the degradation of propanol diluted in water. <i>Studies in Surface Science and Catalysis</i> , 2000, , 1931-1936.	1.5	7
75	Hexacarbonyldiplatinum(I). Synthesis, Spectroscopy, and Density Functional Calculation of the First Homoleptic, Dinuclear Platinum(I) Carbonyl Cation, $[Pt(CO)_3]_2^{2+}$, Formed in Concentrated Sulfuric Acid. <i>Journal of the American Chemical Society</i> , 2000, 122, 6862-6870.	6.6	52
76	Design and development of unique titanium oxide photocatalysts capable of operating under visible light irradiation by an advanced metal ion-implantation method. <i>Studies in Surface Science and Catalysis</i> , 1999, , 305-310.	1.5	29
77	Characterization of metal ion-implanted titanium oxide photocatalysts operating under visible light irradiation. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 451-452.	1.0	175
78	Characterization of the Local Structure of the Vanadium Silicalite (VS-2) Catalyst and Its Photocatalytic Reactivity for the Decomposition of NO into N ₂ and O ₂ . <i>Journal of Physical Chemistry B</i> , 1999, 103, 9295-9301.	1.2	55
79	Low-temperature Methanol Synthesis Catalyzed over Pd/CeO ₂ . <i>Chemistry Letters</i> , 1999, 28, 1101-1102.	0.7	4
80	Photoluminescence properties of tetrahedral titanium oxide species in zeolitic materials. <i>Catalysis Letters</i> , 1998, 53, 107-109.	1.4	22
81	Design of unique titanium oxide photocatalysts by an advanced metal ion-implantation method and photocatalytic reactions under visible light irradiation. <i>Research on Chemical Intermediates</i> , 1998, 24, 143-149.	1.3	230
82	Selective formation of CH ₃ OH in the photocatalytic reduction of CO ₂ with H ₂ O on titanium oxides highly dispersed within zeolites and mesoporous molecular sieves. <i>Catalysis Today</i> , 1998, 45, 221-227.	2.2	251
83	Characterization of Ti/Si binary oxides prepared by the sol-gel method and their photocatalytic properties: The hydrogenation and hydrogenolysis of CH ₃ CCH with H ₂ O. <i>Korean Journal of Chemical Engineering</i> , 1998, 15, 491-495.	1.2	14
84	Photocatalytic reduction of CO ₂ with H ₂ O on Ti-MCM-41 and Ti-MCM-48 mesoporous zeolite catalysts. <i>Catalysis Today</i> , 1998, 44, 327-332.	2.2	324
85	Characterization of Titanium-Silicon Binary Oxide Catalysts Prepared by the Sol-Gel Method and Their Photocatalytic Reactivity for the Liquid-Phase Oxidation of 1-Octanol. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5870-5875.	1.2	184
86	Preparation of Titanium Oxide Photocatalysts Anchored on Porous Silica Glass by a Metal Ion-Implantation Method and Their Photocatalytic Reactivities for the Degradation of 2-Propanol Diluted in Water. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10707-10711.	1.2	232
87	Photocatalytic reduction of CO ₂ with H ₂ O on titanium oxides anchored within zeolites. <i>Studies in Surface Science and Catalysis</i> , 1998, , 177-182.	1.5	27
88	Photocatalytic reduction of CO ₂ with H ₂ O on Ti/Si binary oxide catalysts prepared by the sol-gel method. <i>Studies in Surface Science and Catalysis</i> , 1998, 114, 561-564.	1.5	11
89	The in-situ characterization of titanium oxides prepared in the zeolite cavities and framework and their photocatalytic reactivities for the direct decomposition of NO into N ₂ at 275K. <i>Studies in Surface Science and Catalysis</i> , 1997, 105, 1609-1616.	1.5	22
90	Photocatalytic Reduction of CO ₂ with H ₂ O on Titanium Oxides Anchored within Micropores of Zeolites: Effects of the Structure of the Active Sites and the Addition of Pt. <i>Journal of Physical Chemistry B</i> , 1997, 101, 2632-2636.	1.2	395

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91	Photocatalytic decomposition of NO at 275 K on titanium oxide catalysts anchored within zeolite cavities and framework. Applied Surface Science, 1997, 121-122, 305-309.	3.1	148
92	Relationship Between the Local Structures of Titanium Oxide Photocatalysts and their Reactivities â€” XAFS, UV, Photoluminescence and Photoreaction Investigations. European Physical Journal Special Topics, 1997, 7, C2-883-C2-885.	0.2	4
93	Photoluminescence Property of Titanium Silicalite-2 Catalyst and Its Photocatalytic Reactivity for the Direct Decomposition of NO at 295 K. Chemistry Letters, 1996, 25, 895-896.	0.7	24
94	Photocatalytic Degradation of 1-Octanol on Anchored Titanium Oxide and on TiO ₂ Powder Catalysts. Journal of Catalysis, 1996, 158, 97-101.	3.1	161
95	Photocatalytic Decomposition of NO at 275 K on Titanium Oxides Included within Y-Zeolite Cavities:Â The Structure and Role of the Active Sites. The Journal of Physical Chemistry, 1996, 100, 16041-16044.	2.9	242
96	Photocatalytic reduction of CO ₂ with H ₂ O on various titanium oxide catalysts. Journal of Electroanalytical Chemistry, 1995, 396, 21-26.	1.9	423
97	Photocatalytic synthesis of CH ₄ and CH ₃ OH from CO ₂ and H ₂ O on highly dispersed active titanium oxide catalysts. Energy Conversion and Management, 1995, 36, 617-620.	4.4	41
98	The Photocatalytic Reduction of CO ₂ with H ₂ O on Titanium Oxide Catalysts.. Sekiyu Gakkaishi (Journal) Tj ETQq0 0.0 rgBT /Overlock 10	0.1	3
99	Photocatalytic Reaction and Surface Photoreaction on Ultra-Fine Semiconductor Particles. Design of Anchored Molecular Size Photocatalysts for Environmental Applications.. Hyomen Kagaku, 1995, 16, 194-200.	0.0	5
100	Hydrogen Production by Methane Dry Reforming on Supported Nickel Catalysts â€” Enhanced Stability of the Reforming Process. Applied Mechanics and Materials, 0, 625, 320-323.	0.2	0
101	Reaction rate enhancement of threeâ€”phase hydrogenation using the Taylor flow reactor. Journal of Advanced Manufacturing and Processing, 0, , .	1.4	0