Yuichi Ichihashi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Decomposition of water over picene derivatives photocatalyst under visible light irradiation. Catalysis Today, 2022, , .	4.4	2
2	Effects of Sn <i>_x</i> Pt <i>_y</i> Alloy Structures on the Performance of SnPt Catalysts for the Selective Hydrogenation of Unsaturated Aldehydes to Unsaturated Alcohols. Journal of the Japan Petroleum Institute, 2020, 63, 52-61.	0.6	0
3	Effect of Sn _x Pt _y Alloy Structures in SnPt Bimetallic Nanoparticle Catalysts on Catalytic Activity for Hydrogenation of Acetic Acid. Journal of Chemical Engineering of Japan, 2020, 53, 383-388.	0.6	2
4	Size-Dependent Photocatalytic Activity of Cubic Boron Phosphide Nanocrystals in the Quantum Confinement Regime. Journal of Physical Chemistry C, 2019, 123, 23226-23235.	3.1	10
5	Flow and sedimentation characteristics of silica hard-shell microcapsule slurries treated with additives. International Journal of Refrigeration, 2019, 106, 18-23.	3.4	7
6	Photoelectrochemical Reaction in an Electric Cell with a Porous Carbon Anode. Journal of Physical Chemistry C, 2019, 123, 19447-19452.	3.1	0
7	Meerwein–Ponndorf–Verley Reduction of Crotonaldehyde over Supported Zirconium Oxide Catalysts Using Batch and Tubular Flow Reactors. Industrial & Engineering Chemistry Research, 2018, 57, 70-78.	3.7	11
8	Hydrogen production for photocatalytic decomposition of water with urea as a reducing agent. Catalysis Today, 2018, 307, 231-236.	4.4	7
9	Role of Al3+ species in beta zeolites for Baeyer–Villiger oxidation of cyclic ketones by using H2O2 as an environmentally friendly oxidant. Catalysis Today, 2018, 307, 293-300.	4.4	6
10	Cyclohexane photooxidation under visible light irradiation by WO3–TiO2 mixed catalysts. Research on Chemical Intermediates, 2018, 44, 629-638.	2.7	16
11	Synthesis of bimetallic SnPt-nanoparticle catalysts for chemoselective hydrogenation of crotonaldehyde: Relationship between Sn x Pt y alloy phase and catalytic performance. Catalysis Today, 2018, 303, 241-248.	4.4	15
12	Evaluation of Dry Powder Photoreactor Performance by Use of a Photoresponsive Tracer. Kagaku Kogaku Ronbunshu, 2018, 44, 316-323.	0.3	0
13	Mechanistic study of reaction mechanism on ammonia photodecomposition over Ni/TiO2 photocatalysts. Applied Catalysis B: Environmental, 2017, 206, 378-383.	20.2	38
14	Direct oxidation of benzene with molecular oxygen in liquid phase catalysed by heterogeneous copper complexes encapsulated in Y-type zeolite. Catalysis Communications, 2017, 100, 29-32.	3.3	13
15	Preparation of a Photoresponsive Tracer to Evaluate the Performance of Dry-Type Powder Photoreactors. Journal of Chemical Engineering of Japan, 2017, 50, 710-715.	0.6	1
16	Kinetics of Dry Photochlorination of Poly(Vinyl Chloride) using Rotary Vessel Reactor and Fluidized Bed Reactor. Kagaku Kogaku Ronbunshu, 2017, 43, 379-385.	0.3	1
17	Application of picene thin-film semiconductor as a photocatalyst for photocatalytic hydrogen formation from water. Applied Catalysis B: Environmental, 2016, 192, 88-92.	20.2	12
18	Application of Metal Ion Implantation for the Design of Visible Light-Responsive Titanium Oxide Photocatalysts. Nanostructure Science and Technology, 2016, , 173-186.	0.1	2

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19	Photocatalytic Decomposition of NH3 Over Fe-Doped TiO2 Prepared by Solid-State Impregnation. Nanostructure Science and Technology, 2016, , 201-209.	0.1	Ο
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.	1.3	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.	0.6	3
23	Photocatalytic decomposition of NH3 over TiO2 catalysts doped with Fe. Applied Catalysis B: Environmental, 2014, 160-161, 200-203.	20.2	60
24	Liquid-phase Oxidation of Benzene with Molecular Oxygen over Vanadium Complex Catalysts Encapsulated in Y-Zeolite. Chemistry Letters, 2014, 43, 1734-1736.	1.3	9
25	Oxidation of cyclohexane with hydrogen peroxide over β-zeolites with various Si/Al ratios. Catalysis Today, 2013, 203, 60-65.	4.4	8
26	Cutting-Edge Research at the Membrane Center in Kobe University in Japan. Biotechnology and Biotechnological Equipment, 2013, 27, 3478-3484.	1.3	0
27	Development of Photocatalysts for Hydrogen Production from Methane and Water. Journal of Smart Processing, 2013, 2, 282-286.	0.1	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.	6.2	77
30	Preparation of SiO2-encapsulated SnPt nanoparticle catalysts for selective hydrogenation of unsaturated aldehyde. Catalysis Communications, 2011, 14, 6-9.	3.3	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 (OrgBŢ /Ov	erlock 10 Tf 5
33	One-Step Oxidation of Benzene to Phenol over Cu/Ti/HZSM-5 Catalysts. Catalysis Letters, 2010, 134, 324-329.	2.6	21
34	Photodecomposition of water with methane over titanium oxide photocatalysts modified with metal. Research on Chemical Intermediates, 2010, 36, 463-472.	2.7	4
35	Influence of Preparation Methods of Supported Zr Oxide Catalysts for Meervein-Ponndorf-Verlay Reduction of Acetophenone. Materials Science Forum, 2010, 658, 420-423.	0.3	3

36 Study of Cyclohexane Photooxidation over Pt-WO₃ Catalysts Mixed with TiO₂ 0.3 0.3

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37	Liquid-Phase Oxidation of Benzene to Phenol by Molecular Oxygen over La Catalysts Supported on HZSM-5. Topics in Catalysis, 2008, 47, 98-100.	2.8	17
38	Direct photo-oxidation of benzene to phenol over Ti/Si binary oxide prepared by sol-gel method. Research on Chemical Intermediates, 2008, 34, 525-533.	2.7	3
39	Active phases and sulfur tolerance of bimetallic Pd–Pt catalysts used for hydrotreatment. Applied Catalysis A: General, 2007, 322, 152-171.	4.3	100
40	Promoting Effect and Role of Alkaline Earth Metal Added to Supported Ag Catalysts in the Gas-Phase Catalytic Oxidation of Benzyl Alcohol. Industrial & Engineering Chemistry Research, 2006, 45, 8837-8845.	3.7	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. Industrial & Engineering Chemistry Research, 2006, 45, 7444-7450.	3.7	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. Journal of Molecular Catalysis A, 2006, 259, 108-115.	4.8	24
43	Hydrogen Transfer Activity of Tin-Incorporated Mesoporous Silica. Journal of Chemical Engineering of Japan, 2005, 38, 801-806.	0.6	2
44	Liquid-phase oxidative coupling of 2-naphthol by vanadium catalysts supported on MCM-41. Journal of Molecular Catalysis A, 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. Applied Catalysis A: General, 2005, 286, 249-257.	4.3	42
46	Promoted partial oxidation activity of supported Ag catalysts in the gas-phase catalytic oxidation of benzyl alcohol. Journal of Catalysis, 2005, 234, 308-317.	6.2	87
47	Low temperature methanol synthesis from carbon monoxide and hydrogen over ceria supported copper catalyst. Applied Catalysis A: General, 2005, 282, 221-226.	4.3	30
48	Gas-Phase Catalytic Oxidation of Benzene to Phenol over Cu-Impregnated HZSM-5 Catalysts. Industrial & Engineering Chemistry Research, 2005, 44, 8765-8772.	3.7	33
49	Liquid-Phase Oxidation of Benzene to Phenol over V-Substituted Heteropolyacid Catalysts. Industrial & Engineering Chemistry Research, 2005, 44, 1-7.	3.7	69
50	Chemical promotional effect of gold added to palladium supported on cerium oxide in catalytic methanol decomposition. Journal of Molecular Catalysis A, 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. Industrial & Engineering Chemistry Research, 2004, 43, 6021-6026.	3.7	29
52	Catalytic Methanol Decomposition Over Palladium Deposited on Mesoporous Cerium Oxide. Catalysis Letters, 2003, 88, 83-87.	2.6	27
53	Catalytic methanol decomposition over palladium deposited on thermally stable mesoporous titanium oxide. Journal of Molecular Catalysis A, 2003, 198, 303-308.	4.8	42
54	Effect of H2O on the partial photo-oxidation of ethylene over Cu/SiO2 photocatalyst. Research on Chemical Intermediates, 2003, 29, 891-896.	2.7	3

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55	Simple Preparation Method of Isolated Iron (III) Species on Silica Surface. Chemistry Letters, 2003, 32, 208-209.	1.3	10
56	Photooxidation of ethylene over Cu-modified and unmodified silica. International Journal of Photoenergy, 2003, 5, 27-29.	2.5	0
57	Performance of Au/TiO2 catalyst under ambient conditions. Catalysis Today, 2002, 72, 89-94.	4.4	140
58	A Comparative Study of Palladium and Copper Catalysts in Methanol Synthesis. Catalysis Letters, 2002, 79, 125-127.	2.6	32
59	Title is missing!. Catalysis Letters, 2002, 83, 33-35.	2.6	27
60	Application of ion beam techniques for preparation of metal ion-implanted TiO2thin film photocatalyst available under visible light irradiation: metal ion-implantation and ionized cluster beam method. Journal of Synchrotron Radiation, 2001, 8, 569-571.	2.4	126
61	Influence of palladium precursors on methanol synthesis from CO hydrogenation over Pd/CeO2 catalysts prepared by deposition–precipitation method. Applied Catalysis A: General, 2001, 217, 165-172.	4.3	39
62	Effect of reduction temperature on structural properties and CO/CO2 hydrogenation characteristics of a Pd-CeO2 catalyst. Applied Catalysis A: General, 2001, 217, 231-239.	4.3	40
63	Low-Temperature Methanol Synthesis Catalyzed over Ultrafine Palladium Particles Supported on Cerium Oxide. Journal of Catalysis, 2001, 197, 267-272.	6.2	73
64	Partial Photooxidation of Ethylene with Water as Oxidant over Copper Oxide Supported on Silica. Journal of Catalysis, 2001, 202, 427-429.	6.2	9
65	Growth of Pd particles in methanol synthesis over Pd/CeO2. Catalysis Letters, 2001, 73, 161-165.	2.6	23
66	Title is missing!. Catalysis Letters, 2001, 76, 139-142.	2.6	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.	2.7	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.	1.3	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.	4.4	85

72 Title is missing!. Catalysis Letters, 2000, 64, 23-25.

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73	Structural change of palladium particles supported on cerium oxide in catalytic methanol synthesis. Catalysis Letters, 2000, 68, 181-183.	2.6	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. Studies in Surface Science and Catalysis, 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. Journal of the American Chemical Society, 2000, 122, 6862-6870.	13.7	52
76	Design and development of unique titanium oxide photocatalysts capable of operating under visible light irradiation by an advanced metal ion-implantation method. Studies in Surface Science and Catalysis, 1999, , 305-310.	1.5	29
77	Characterization of metal ion-implanted titanium oxide photocatalysts operating under visible light irradiation. Journal of Synchrotron Radiation, 1999, 6, 451-452.	2.4	175
78	Characterization of the Local Structure of the Vanadium Silicalite (VS-2) Catalyst and Its Photocatalytic Reactivity for the Decomposition of NO into N2 and O2. Journal of Physical Chemistry B, 1999, 103, 9295-9301.	2.6	55
79	Low-temperature Methanol Synthesis Catalyzed over Pd/CeO2. Chemistry Letters, 1999, 28, 1101-1102.	1.3	4
80	Photoluminescence properties of tetrahedral titanium oxide species in zeolitic materials. Catalysis Letters, 1998, 53, 107-109.	2.6	22
81	Design of unique titanium oxide photocatalysts by an advanced metal ion-implantation method and photocatalytic reactions under visible light irradiation. Research on Chemical Intermediates, 1998, 24, 143-149.	2.7	230
82	Selective formation of CH3OH in the photocatalytic reduction of CO2 with H2O on titanium oxides highly dispersed within zeolites and mesoporous molecular sieves. Catalysis Today, 1998, 45, 221-227.	4.4	251
83	Characterization of Ti/Si binary oxides prepared by the sol-gel method and their photocatalytic properties: The hydrogenation and hydrogenolysis of CH3CCH with H2O. Korean Journal of Chemical Engineering, 1998, 15, 491-495.	2.7	14
84	Photocatalytic reduction of CO2 with H2O on Ti-MCM-41 and Ti-MCM-48 mesoporous zeolite catalysts. Catalysis Today, 1998, 44, 327-332.	4.4	324
85	Characterization of Titaniumâ^'Silicon Binary Oxide Catalysts Prepared by the Solâ^'Gel Method and Their Photocatalytic Reactivity for the Liquid-Phase Oxidation of 1-Octanol. Journal of Physical Chemistry B, 1998, 102, 5870-5875.	2.6	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. Journal of Physical Chemistry B, 1998, 102, 10707-10711.	2.6	232
87	Photocatalytic reduction of CO2 with H2O on titanium oxides anchored within zeolites. Studies in Surface Science and Catalysis, 1998, , 177-182.	1.5	27
88	Photocatalytic reduction of CO2 with H2O on Ti/Si binary oxide catalysts prepared by the sol-gel method. Studies in Surface Science and Catalysis, 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 N2 at 275K. Studies in Surface Science and Catalysis, 1997, 105, 1609-1616.	1.5	22
90	Photocatalytic Reduction of CO2with H2O on Titanium Oxides Anchored within Micropores of Zeolites:Â Effects of the Structure of the Active Sites and the Addition of Pt. Journal of Physical Chemistry B, 1997, 101, 2632-2636.	2.6	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.	6.1	148
92	Relationship Between the Local Structures of Titanium Oxide Photocatalysts and their Reactivities — 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.	1.3	24
94	Photocatalytic Degradation of 1-Octanol on Anchored Titanium Oxide and on TiO2Powder Catalysts. Journal of Catalysis, 1996, 158, 97-101.	6.2	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 CO2 with H2O on various titanium oxide catalysts. Journal of Electroanalytical Chemistry, 1995, 396, 21-26.	3.8	423
97	Photocatalytic synthesis of CH4 and CH3OH from CO2 and H2O on highly dispersed active titanium oxide catalysts. Energy Conversion and Management, 1995, 36, 617-620.	9.2	41
98	The Photocatalytic Reduction of CO2 with H2O on Titanium Oxide Catalysts Sekiyu Gakkaishi (Journal) Tj ETQqC	0.0 rgBT	/Qverlock 10

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 – 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, , .	2.4	0