

# Tetsuhiko Kobayashi

## List of Publications by Year in descending order

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126  
papers

15,801  
citations

41344

49  
h-index

18130

120  
g-index

132  
all docs

132  
docs citations

132  
times ranked

12325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold catalysts prepared by coprecipitation for low-temperature oxidation of hydrogen and of carbon monoxide. <i>Journal of Catalysis</i> , 1989, 115, 301-309.	6.2	3,040
2	Novel Gold Catalysts for the Oxidation of Carbon Monoxide at a Temperature far Below 0 Å°C. <i>Chemistry Letters</i> , 1987, 16, 405-408.	1.3	2,872
3	Low-Temperature Oxidation of CO over Gold Supported on TiO <sub>2</sub> , Î±-Fe <sub>2</sub> O <sub>3</sub> , and Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Catalysis</i> , 1993, 144, 175-192.	6.2	2,148
4	Polyaniline film-coated electrodes as electrochromic display devices. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 161, 419-423.	0.1	648
5	Electrochemical reactions concerned with electrochromism of polyaniline film-coated electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 177, 281-291.	0.1	384
6	Oxidative degradation pathway of polyaniline film electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 177, 293-297.	0.1	352
7	Structural Characterization of CeO <sub>2</sub> ~TiO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> ~TiO <sub>2</sub> Catalysts by Raman and XPS Techniques. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5162-5167.	2.6	323
8	A Platinum~Free Zero~Carbon~Emission Easy Fuelling Direct Hydrazine Fuel Cell for Vehicles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8024-8027.	13.8	292
9	Potential application of anion-exchange membrane for hydrazine fuel cell electrolyte. <i>Electrochemistry Communications</i> , 2003, 5, 892-896.	4.7	245
10	Optical recognition of CO and H <sub>2</sub> by use of gas-sensitive Au~Co <sub>3</sub> O <sub>4</sub> composite films. <i>Journal of Materials Chemistry</i> , 1997, 7, 1779-1783.	6.7	200
11	Low-temperature water~gas shift reaction over gold deposited on TiO <sub>2</sub> . <i>Chemical Communications</i> , 1997, , 271-272.	4.1	179
12	Structural Characterization of CeO <sub>2</sub> ~MO <sub>2</sub> (M = Si <sup>4+</sup> , Ti <sup>4+</sup> , and Zr <sup>4+</sup> ) Mixed Oxides by Raman Spectroscopy, X-ray Photoelectron Spectroscopy, and Other Techniques. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11475-11484.	2.6	166
13	Influence of dry operating conditions: observation of oscillations and low temperature CO oxidation over Co <sub>3</sub> O <sub>4</sub> and Au/Co <sub>3</sub> O <sub>4</sub> catalysts. <i>Catalysis Letters</i> , 1994, 25, 257-264.	2.6	164
14	Role of Carbon Dioxide in the Dehydrogenation of Ethane over Gallium-Loaded Catalysts. <i>Journal of Catalysis</i> , 2001, 203, 87-93.	6.2	159
15	Dehydrogenation of ethane over gallium oxide in the presence of carbon dioxide. <i>Chemical Communications</i> , 1998, , 1025-1026.	4.1	154
16	Raman and X-ray Photoelectron Spectroscopy Study of CeO <sub>2</sub> ~ZrO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> ~ZrO <sub>2</sub> Catalysts. <i>Langmuir</i> , 2003, 19, 3025-3030.	3.5	153
17	Surface Characterization of CeO <sub>2</sub> /SiO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> /SiO <sub>2</sub> Catalysts by Raman, XPS, and Other Techniques. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10964-10972.	2.6	149
18	Two conversion maxima at 373 and 573K in the reduction of nitrogen monoxide with hydrogen over Pd/TiO <sub>2</sub> catalyst. <i>Catalysis Today</i> , 1998, 45, 135-138.	4.4	144

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19	Investigation of PEM type direct hydrazine fuel cell. Journal of Power Sources, 2003, 115, 236-242.	7.8	137
20	Redox behavior of palladium at start-up in the Perovskite-type LaFePdOx automotive catalysts showing a self-regenerative function. Applied Catalysis B: Environmental, 2005, 57, 267-273.	20.2	131
21	Surface characterization of sulfate, molybdate, and tungstate promoted TiO <sub>2</sub> -ZrO <sub>2</sub> solid acid catalysts by XPS and other techniques. Applied Catalysis A: General, 2002, 228, 269-278.	4.3	130
22	A selective CO sensor using Ti-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> with coprecipitated ultrafine particles of gold. Sensors and Actuators, 1988, 13, 339-349.	1.7	120
23	Preparation of Highly Dispersed Gold on Titanium and Magnesium Oxide. Studies in Surface Science and Catalysis, 1991, , 695-704.	1.5	119
24	Surface Characterization of La <sub>2</sub> O <sub>3</sub> ~TiO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> /La <sub>2</sub> O <sub>3</sub> ~TiO <sub>2</sub> Catalysts. Journal of Physical Chemistry B, 2002, 106, 5695-5700.	2.6	119
25	Oxidative removal of CO contained in hydrogen by using metal oxide catalysts. International Journal of Hydrogen Energy, 1999, 24, 355-358.	7.1	114
26	Effect of anode electrocatalyst for direct hydrazine fuel cell using proton exchange membrane. Journal of Power Sources, 2003, 122, 132-137.	7.8	102
27	Combined effects of small gold particles on the optical gas sensing by transition metal oxide films. Catalysis Today, 1997, 36, 135-141.	4.4	93
28	Title is missing!. Catalysis Letters, 2000, 64, 215-221.	2.6	88
29	Surface characterization and catalytic activity of sulfate-, molybdate- and tungstate-promoted Al <sub>2</sub> O <sub>3</sub> ~ZrO <sub>2</sub> solid acid catalysts. Journal of Molecular Catalysis A, 2005, 227, 81-89.	4.8	83
30	Photoinduced hydrogen production from an aqueous solution of ethylene glycol over ultrafine gold supported on TiO <sub>2</sub> . Journal of Photochemistry and Photobiology A: Chemistry, 1994, 77, 59-67.	3.9	81
31	Optical CO sensitivity of Au~CuO composite film by use of the plasmon absorption change. Sensors and Actuators B: Chemical, 2003, 96, 589-595.	7.8	80
32	Thin films of supported gold catalysts for CO detection. Sensors and Actuators B: Chemical, 1990, 1, 222-225.	7.8	77
33	Partial oxidation of methane to synthesis gas over supported iridium catalysts. Applied Catalysis A: General, 1998, 169, 281-290.	4.3	74
34	A new fuel cell using aqueous ammonia-borane as the fuel. Journal of Power Sources, 2007, 168, 167-171.	7.8	69
35	Structural Characterization and Catalytic Activity of Nanosized Ceria~Terbia Solid Solutions. Journal of Physical Chemistry C, 2008, 112, 16393-16399.	3.1	69
36	Oxidation of methane to formaldehyde over FeSiO <sub>2</sub> and Sn~W mixed oxides. Catalysis Today, 1996, 32, 171-175.	4.4	68

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37	The Role of Chemisorbed Oxygen on Diamond Surfaces for the Dehydrogenation of Ethane in the Presence of Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4048-4056.	2.6	66
38	Effect of support on the conversion of methane to synthesis gas over supported iridium catalysts. <i>Catalysis Letters</i> , 1998, 51, 163-167.	2.6	65
39	Metal oxide catalysts for DME steam reforming: Ga <sub>2</sub> O <sub>3</sub> and Ga <sub>2</sub> O <sub>3</sub> –Al <sub>2</sub> O <sub>3</sub> catalysts with and without copper. <i>Applied Catalysis A: General</i> , 2005, 286, 11-22.	4.3	65
40	Humidity-sensitive optical absorption of Co <sub>3</sub> O <sub>4</sub> film. <i>Sensors and Actuators B: Chemical</i> , 1996, 32, 157-160.	7.8	63
41	Structural Characterization and Oxidative Dehydrogenation Activity of V <sub>2</sub> O <sub>5</sub> /Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> /SiO <sub>2</sub> Catalysts. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9140-9147.	2.6	63
42	The roles of redox and acid–base properties of silica-supported vanadia catalysts in the selective oxidation of ethane. <i>Catalysis Today</i> , 2004, 93-95, 163-171.	4.4	60
43	Transient Response of Catalyst Bed Temperature in the Pulsed Reaction of Partial Oxidation of Methane to Synthesis Gas over Supported Rhodium and Iridium Catalysts. <i>Journal of Catalysis</i> , 1999, 186, 405-413.	6.2	59
44	Selective Oxidation of Ethane to Acetaldehyde and Acrolein over Silica-Supported Vanadium Catalysts Using Oxygen as Oxidant. <i>Journal of Catalysis</i> , 2000, 190, 215-227.	6.2	56
45	β-Al <sub>2</sub> O <sub>3</sub> –xM <sub>x</sub> O <sub>3</sub> ·y (M = Ti <sup>4+</sup> through Ga <sup>3+</sup> ): potential pseudo-3D mesoporous materials with tunable acidity and electronic structure. <i>Journal of Materials Chemistry</i> , 2012, 22, 13484.	6.7	56
46	Odor identification using a SnO <sub>2</sub> -based sensor array. <i>Sensors and Actuators B: Chemical</i> , 2001, 80, 51-58.	7.8	54
47	Electrochromism in Iridium Oxide Films Prepared by Thermal Oxidation of Iridium–Carbon Composite Films. <i>Journal of the Electrochemical Society</i> , 1987, 134, 570-575.	2.9	51
48	Catalysis of nanocrystalline mesoporous TiO <sub>2</sub> on cyclohexene epoxidation with H <sub>2</sub> O <sub>2</sub> : Effects of mesoporosity and metal oxide additives. <i>Journal of Molecular Catalysis A</i> , 2005, 241, 23-32.	4.8	51
49	Direct Polymer Electrolyte Fuel Cells Using L-Ascorbic Acid as a Fuel. <i>Electrochemical and Solid-State Letters</i> , 2003, 6, A257.	2.2	50
50	Hydrogen production via steam reforming of ethyl alcohol over nano-structured indium oxide catalysts. <i>Journal of Power Sources</i> , 2008, 179, 566-570.	7.8	48
51	Effective surfaces of semiconductor catalysts for light-induced heterogeneous reactions evaluated by simultaneous photodeposition of both oxidation and reduction products. <i>The Journal of Physical Chemistry</i> , 1983, 87, 768-775.	2.9	47
52	Optical CO detection by use of CuO/Au composite films. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 851-853.	7.8	47
53	Partial oxidation of methane to synthesis gas over iridium–nickel bimetallic catalysts. <i>Applied Catalysis A: General</i> , 1999, 180, 183-193.	4.3	46
54	A Direct CO Polymer Electrolyte Membrane Fuel Cell. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3120-3122.	13.8	46

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55	Enhancement in the optical CO sensitivity of NiO film by the deposition of ultrafine gold particles. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 1011.	1.7	44
56	Thermal Stability and Dispersion Behavior of Nanostructured Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> Mixed Oxides over Anatase-TiO <sub>2</sub> : A Combined Study of CO Oxidation and Characterization by XRD, XPS, TPR, HREM, and UV-Vis DRS. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 453-462.	3.7	43
57	Partial oxidation of methane over silica catalysts promoted by 3d transition metal ions. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1609.	2.0	39
58	The reducing capability of palladium segregated from perovskite-type LaFePdOx automotive catalysts. <i>Applied Catalysis A: General</i> , 2005, 296, 114-119.	4.3	39
59	A novel DME steam-reforming catalyst designed with fact database on-demand. <i>Applied Surface Science</i> , 2006, 252, 2593-2597.	6.1	38
60	Development of carbon monoxide detector using Au fine particles-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> . <i>Sensors and Actuators B: Chemical</i> , 1993, 14, 536-538.	7.8	37
61	Oxidized Diamond as a Simultaneous Production Medium of Carbon Nanomaterials and Hydrogen for Fuel Cell. <i>Chemistry of Materials</i> , 2003, 15, 4571-4575.	6.7	37
62	Transient response of catalyst bed temperature in the pulsed reaction of partial oxidation of methane to synthesis gas over supported group VIII metal catalysts. <i>Catalysis Today</i> , 2001, 64, 31-41.	4.4	35
63	Electrochemical oxidation of ammonia borane on gold electrode. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 174-179.	7.1	35
64	Time evolution of palladium structure change with redox fluctuations in a LaFePdO <sub>3</sub> perovskite automotive catalyst by high-speed analysis with in situ DXAFS. <i>Catalysis Communications</i> , 2008, 9, 311-314.	3.3	34
65	Electrochemical oxidation of CO in sulfuric acid solution over Pt and PtRu catalysts modified with TaOx and NbOx. <i>Catalysis Today</i> , 2003, 84, 223-229.	4.4	32
66	Rapid evaluation of oxidation catalysis by gas sensor system: total oxidation, oxidative dehydrogenation, and selective oxidation over metal oxide catalysts. <i>Catalysis Today</i> , 2001, 67, 379-387.	4.4	31
67	Selective oxidation of light alkanes to aldehydes over silica catalysts supporting mononuclear active sites $\alpha$ acrolein formation from ethane. <i>Catalysis Today</i> , 2001, 71, 69-76.	4.4	30
68	Oxidized Diamond: A Novel Support for Catalytic Dehydrogenation. <i>Chemistry Letters</i> , 2000, 29, 1100-1101.	1.3	29
69	Metal oxide catalysts for DME steam reforming: Ga <sub>2</sub> O <sub>3</sub> and Ga <sub>2</sub> O <sub>3</sub> ?Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Letters</i> , 2005, 100, 247-253.	2.6	29
70	Effect of support on the activity of Ga <sub>2</sub> O <sub>3</sub> species for steam reforming of dimethyl ether. <i>Applied Catalysis A: General</i> , 2006, 300, 58-66.	4.3	26
71	Role of Pt Overlayers on TiO <sub>2</sub> Electrodes in Enhancement of the Rate of Cathodic Processes. <i>Journal of the Electrochemical Society</i> , 1983, 130, 1706-1711.	2.9	25
72	Direct Formation of Acetaldehyde from Ethane Using Carbon Dioxide as a Novel Oxidant over Oxidized Diamond-Supported Catalysts. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13419-13424.	2.6	25

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73	Title is missing!. Catalysis Letters, 1998, 55, 33-38.	2.6	24
74	Title is missing!. Catalysis Letters, 2002, 80, 161-164.	2.6	24
75	Enhancing effect of gold deposition in the optical detection of reducing gases in air by metal oxide thin films. Sensors and Actuators B: Chemical, 1993, 14, 545-546.	7.8	23
76	Large optical CO sensitivity of NO <sub>2</sub> -pretreated Au–NiO composite films. Sensors and Actuators B: Chemical, 1996, 36, 513-516.	7.8	23
77	Synthesis Gas Production from Methane Using Oxidized-Diamond-Supported Group VIII Metal Catalysts. Energy & Fuels, 2003, 17, 971-976.	5.1	22
78	Reaction of hydrogen with sodium oxide: A reversible hydrogenation/dehydrogenation system. Journal of Power Sources, 2006, 155, 167-171.	7.8	22
79	Oxidized Diamond Supported Ni Catalyst for Synthesis Gas Formation from Methane. Chemistry Letters, 2001, 30, 460-461.	1.3	20
80	High throughput experiments on methane partial oxidation using molecular oxygen over silica doped with various elements. Applied Catalysis A: General, 2003, 254, 45-58.	4.3	20
81	High-throughput screening of PEMFC anode catalysts by IR thermography. Applied Surface Science, 2004, 223, 220-223.	6.1	19
82	Graphite intercalation compounds as PEMFC electrocatalyst supports. Carbon, 2005, 43, 2374-2378.	10.3	19
83	A combinatorial study on catalytic synergism in supported metal catalysts for fuel cell technology. Applied Surface Science, 2004, 223, 102-108.	6.1	18
84	C <sub>2</sub> F <sub>6</sub> plasma treatment of a carbon support for a PEM fuel cell electrocatalyst. Journal of Power Sources, 2006, 161, 836-838.	7.8	18
85	Effects of alkali metal cations on the structures, physico-chemical properties and catalytic behaviors of silica-supported vanadium oxide catalysts for the selective oxidation of ethane and the complete oxidation of diesel soot. Topics in Catalysis, 2006, 38, 309-325.	2.8	18
86	Effects of illumination intensity and solution pH on the competitive oxidation of halide ions and water at an illuminated TiO <sub>2</sub> electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1981, 122, 133-145.	0.1	17
87	Optical humidity sensitivity of plasma-oxidized nickel oxide films. Solid State Ionics, 1999, 121, 307-311.	2.7	16
88	Acrolein formation in the oxidation of ethane over silica catalysts supporting iron and cesium. Catalysis Letters, 1999, 63, 79-82.	2.6	16
89	Optimization of reaction conditions for cyclohexene epoxidation with H <sub>2</sub> O <sub>2</sub> over nanocrystalline mesoporous TiO <sub>2</sub> loaded with RuO <sub>2</sub> . Journal of Molecular Catalysis A, 2006, 248, 226-232.	4.8	15
90	Formation of Oxygenates in the Propane Oxidation over K <sup>+</sup> -Modified Fe/SiO <sub>2</sub> Catalyst. Chemistry Letters, 1998, 27, 327-328.	1.3	14

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91	Oxidation of alkanes by TBHP in the presence of soluble titanium complexes. <i>Journal of Molecular Catalysis A</i> , 1999, 142, 77-84.	4.8	14
92	Dispersion Control of Nano-Particles and the Effect of the Coating Condition on the Performance of Proton-Exchange Membrane Fuel Cells (PEMFCs). <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 31-39.	0.6	14
93	Utilization of Combinatorial Method and High Throughput Experimentation for Development of Heterogeneous Catalysts. <i>Journal of the Japan Petroleum Institute</i> , 2006, 49, 157-167.	0.6	14
94	Oxidation of ethane into acetaldehyde and acrolein over silica containing cesium and a very small amount of additives. <i>Applied Catalysis A: General</i> , 2000, 196, 37-42.	4.3	13
95	Partial oxidation of ethane into acetaldehyde and acrolein by oxygen over silica-supported bismuth catalysts. <i>Applied Catalysis A: General</i> , 2001, 207, 139-149.	4.3	13
96	The role of surface flaws in competitive photoanodic processes at TiO <sub>2</sub> electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1982, 138, 105-119.	0.1	12
97	Optimization of Fe/SiO <sub>2</sub> based metal oxides as selective oxidation catalyst of propane with combinatorial approach. <i>Research on Chemical Intermediates</i> , 2002, 28, 397-407.	2.7	12
98	Novel Selective Oxidation of Light Alkanes Using Carbon Dioxide. Oxidized Diamond as a Novel Catalytic Medium. <i>Chemistry Letters</i> , 2003, 32, 866-867.	1.3	12
99	Influence of the reactivity of reducing agents on anodic photocurrents at TiO <sub>2</sub> electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981, 124, 179-188.	0.1	11
100	Formation of methanol by the gas phase partial oxidation of methane under normal pressures. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 93.	2.0	11
101	Novel catalysts having NO <sub>x</sub> -adsorption sites for the selective oxidation of ethane. <i>Applied Catalysis A: General</i> , 2001, 209, 391-399.	4.3	11
102	XAFS studies of ultra-fine gold catalysts supported on hematite prepared from coprecipitated precursors. <i>Physica B: Condensed Matter</i> , 1989, 158, 183-184.	2.7	10
103	Simple Preparation Method of Isolated Iron (III) Species on Silica Surface. <i>Chemistry Letters</i> , 2003, 32, 208-209.	1.3	10
104	Partial Oxidation of Methane to Synthesis Gas with Iridium-loaded Titania Catalyst. <i>Chemistry Letters</i> , 1996, 25, 1029-1030.	1.3	9
105	A semiconductor gas sensor system for high throughput screening of heterogeneous catalysts for the production of benzene derivatives. <i>Measurement Science and Technology</i> , 2005, 16, 229-234.	2.6	9
106	Partial oxidation of propene over metal oxide catalysts pretreated with NO <sub>2</sub> . <i>Catalysis Letters</i> , 1998, 53, 73-76.	2.6	8
107	EFFECT OF ILLUMINATION INTENSITY ON STABILIZATION OF ZnO PHOTOANODES IN HALIDE SOLUTIONS. <i>Chemistry Letters</i> , 1979, 8, 457-460.	1.3	7
108	Photoelectrochemical properties of Sr <sup>2+</sup> , Fe <sup>3+</sup> , Nb oxides having perovskite structure. <i>Electrochimica Acta</i> , 1982, 27, 1129-1133.	5.2	7

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109	Instruments for preparation of heterogeneous catalysts by an impregnation method. Review of Scientific Instruments, 2005, 76, 062226.	1.3	7
110	Electrochemical synthesis of poly(2-vinylpyridine) on a carbon fiber electrode. Electrochemistry, 2001, 69, 872-875.	1.4	6
111	Two Reaction Paths at Different Temperatures in the Reduction of Nitrogen Monoxide with Hydrogen over Supported Palladium Catalysts. Chemistry Letters, 1998, 27, 595-596.	1.3	5
112	Influence of dissolved oxygen on intensity modulated photocurrent spectroscopy (IMPS) at a silicon/hydrofluoric acid interface. Electrochimica Acta, 2000, 45, 2219-2225.	5.2	5
113	Effect of UV light irradiation on the morphology of pyrolyzed Co <sub>3</sub> O <sub>4</sub> films. Solid State Ionics, 2000, 136-137, 1291-1293.	2.7	5
114	Existence of the Na <sup>+</sup> ...O <sup>2-</sup> Dihydrogen Bond in the Hydrogenation Process by Na <sub>2</sub> O: A First-Principles Identification. Journal of Physical Chemistry C, 2007, 111, 5064-5068.	3.1	5
115	High-Throughput Screening of Oxidation Catalysts with Gas Sensors. , 2003, , 247-259.		3
116	Effect of the Composition and Coating Condition on the Structure and Performance of Catalyst Layer of PEFC. Journal of Chemical Engineering of Japan, 2007, 40, 808-816.	0.6	2
117	Dehydrogenation Reaction for Na <sub>2</sub> O/H System: A First-Principles Study. ChemPhysChem, 2007, 8, 1979-1987.	2.1	2
118	Factors Governing the Competition in Electrochemical Reactions at Illuminated Semiconductors. ACS Symposium Series, 1981, , 131-143.	0.5	1
119	Graphite intercalation compounds used for electrocatalyst support. Tanso, 2005, 2005, 155-158.	0.1	1
120	56 High throughput experiment on the investigation of oxidation catalysts with gas sensor system. Studies in Surface Science and Catalysis, 2003, 145, 275-278.	1.5	0
121	Novel Selective Oxidation of Light Alkanes Using Carbon Dioxide. Oxidized Diamond as a Novel Catalytic Medium.. ChemInform, 2004, 35, no.	0.0	0
122	Oxidized Diamond as a Simultaneous Production Medium of Carbon Nanomaterials and Hydrogen for Fuel Cell.. ChemInform, 2004, 35, no.	0.0	0
123	Combinatorial Catalysis for Hydrogen Production from Ethanol. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	0
124	Gas Sensor Technology for High-Throughput Screening in Catalysis. , 2005, , 189-209.		0
125	Energy Research in AIST. Advanced Energy Materials, 2019, 9, 1901510.	19.5	0
126	Effects of illumination intensity and solution pH on the competitive oxidation of halide ions and water at an illuminated TiO <sub>2</sub> electrode. Journal of Electroanalytical Chemistry (1959), 1981, 122, 133-145.	0.1	0