Ichiro Yamanaka

List of Publications by Year
in descending order

153 papers	4,013 citations	136950 32 h-index	149698 56 g-index
158 all docs	158 docs citations	158 times ranked	3386 citing authors

#	Article	IF	Citations
1	Development of Highly Active Silica-Supported Nickel Phosphide Catalysts for Direct Dehydrogenative Conversion of Methane to Higher Hydrocarbons. Catalysis Letters, 2022, 152, 199-212.	2.6	4
2	Direct epoxidation of propylene with water at a PtO_{<i>x</i>} anode using a solid-polymer-electrolyte electrolysis cell. Catalysis Science and Technology, 2022, 12, 469-473.	4.1	12
3	CoN₄C_{<i>x</i>} Electrocatalyst for CO₂ Reduction to CO by the Solid Polymer Electrolyte Electrolysis. Energy & Fuels, 2022, 36, 2300-2304.	5.1	6
4	Pure Hydrogen Production by Aqueous Ethanol Electrolysis on Ptâ€“Ruâ€“O Anodes in a Solid Polymer Electrolyte Electrolysis Cell. ACS Sustainable Chemistry and Engineering, 2022, 10, 2921-2929.	6.7	3
5	Mechanistic Insights into the Electrocatalytic Hydrogenation of Alkynes on Ptâ€“Pd Electrocatalysts in a Proton-Exchange Membrane Reactor. ACS Catalysis, 2022, 12, 5430-5440.	11.2	22
6	Mechanochemical Route for Preparation of MFI-Type Zeolites Containing Highly Dispersed and Small Ce Species and Catalytic Application to Low-Temperature Oxidative Coupling of Methane. Industrial & Engineering Chemistry Research, 2021, 60, 10101-10111.	3.7	6
7	One-step Hydrothermal Synthesis of Unsupported Nickel Phosphide Catalyst for Direct Dehydrogenative Conversion of Methane to Hydrocarbons. Chemistry Letters, 2021, 50, 1762-1764.	1.3	0
8	X-ray absorption fine structure studies on nickel phosphide catalysts for the non-oxidative coupling of methane reaction using a theoretical model. Radiation Physics and Chemistry, 2021, 189, 109727.	2.8	2
9	Direct Nonoxidative Conversion of Methane to Higher Hydrocarbons over Silica-Supported Nickel Phosphide Catalyst. ACS Catalysis, 2020, 10, 375-379.	11.2	40
10	Green Synthesis of Methyl Formate via Electrolysis of Pure Methanol. ACS Sustainable Chemistry and Engineering, 2020, 8, 11532-11540.	6.7	26
11	Catalytic Mechanism of Liquid-Metal Indium for Direct Dehydrogenative Conversion of Methane to Higher Hydrocarbons. ACS Omega, 2020, 5, 28158-28167.	3.5	15
12	The Active Center of Coâ€“Nâ€“C Electrocatalysts for the Selective Reduction of CO₂ to CO Using a Nafion-H Electrolyte in the Gas Phase. ACS Omega, 2020, 5, 19453-19463.	3.5	11
13	Disposition of Iridium on Ruthenium Nanoparticle Supported on Ketjenblack: Enhancement in Electrocatalytic Activity toward the Electrohydrogenation of Toluene to Methylcyclohexane. ACS Omega, 2020, 5, 1221-1228.	3.5	11
14	Electrocatalytic Reduction of CO₂ to CO and CH₄ by Coâ€“Nâ€“C Catalyst and Ni co-catalyst with PEM Reactor. ISIJ International, 2019, 59, 623-627.	1.4	10
15	Metamorphosis-like Transformation during Activation of In/SiO₂ Catalyst for Non-oxidative Coupling of Methane: <i>In Situ</i> X-ray Absorption Fine Structure Analysis. Chemistry Letters, 2019, 48, 1145-1147.	1.3	13
16	Theoretical Study on the Câ€"H Activation of Methane by Liquid Metal Indium: Catalytic Activity of Small Indium Clusters. Journal of Physical Chemistry A, 2019, 123, 8907-8912.	2.5	16
17	Hybrid Porous Catalysts Derived from Metalâ€“Organic Framework for Oxygen Reduction Reaction in an Anion Exchange Membrane Fuel Cell. ACS Sustainable Chemistry and Engineering, 2019, 7, 9143-9152.	6.7	14
18	Synergy of Ru and Ir in the Electrohydrogenation of Toluene to Methylcyclohexane on a Ketjenblack-Supported Ru-Ir Alloy Cathode. ACS Catalysis, 2019, 9, 2448-2457.	11.2	46

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19	Electrocatalytic Activity of Co-4,4â€²dimethyl-2,2â€²-bipyridine Supported on Ketjenblack for Reduction of CO2 to CO Using PEM Reactor. Electrocatalysis, 2018, 9, 220-225.	3.0	9
20	Direct Synthesis of Pure H2O2 Aqueous Solution by CoTPP/Ketjen-Black Electrocatalyst and the Fuel Cell Reactor. Electrocatalysis, 2018, 9, 236-242.	3.0	20
21	Effects of Carbon Supports on Ru Electrocatalysis for the Electrohydrogenation of Toluene to Methylcyclohexane. Electrocatalysis, 2018, 9, 204-211.	3.0	6
22	Selective Electrohydrogenation of Toluene to Methylcyclohexane Using Carbon-Supported Non-Platinum Electrocatalysts in the Hydrogen Storage System. ChemistrySelect, 2017, 2, 1939-1943.	1.5	13
23	A New Type Hydrogen Permeable Membrane and Application for H₂O₂ Synthesis. ChemistrySelect, 2017, 2, 464-468.	1.5	3
24	Liquidâ€Metal Indium Catalysis for Direct Dehydrogenative Conversion of Methane to Higher Hydrocarbons. ChemistrySelect, 2017, 2, 4572-4576.	1.5	37
25	Electrosynthesis of diphenyl carbonate by homogeneous Pd electrocatalysts using Au nanoparticles on graphene as efficient anodes. Catalysis Science and Technology, 2016, 6, 6002-6010.	4.1	11
26	Electrochemical Reduction of CO₂ to CO by a Coâ€Nâ€C Electrocatalyst and PEM Reactor at Ambient Conditions. ChemistrySelect, 2016, 1, 5533-5537.	1.5	14
27	Electroreduction of Carbon Dioxide to Carbon Monoxide by Co-pthalocyanine Electrocatalyst under Ambient Conditions. ISIJ International, 2015, 55, 399-403.	1.4	13
28	Electrosynthesis of diphenyl carbonate catalyzed by Pd2+/0 (in situ NHC) redox catalyst promoted at Au anode. Research on Chemical Intermediates, 2015, 41, 9497-9508.	2.7	9
29	Direct and Safe Synthesis of H₂O₂ from O₂ and H₂ Using Fuel Cell Reactors. Journal of the Japan Petroleum Institute, 2014, 57, 237-250.	0.6	21
30	Diphenyl Carbonate Synthesis by Homogeneous Pd Electrocatalyst. Topics in Catalysis, 2014, 57, 995-999.	2.8	9
31	Electrocatalytic Synthesis. , 2014, , 448-452.		0
32	Pd(NHC) Electrocatalysis for Phosgene-Free Synthesis of Diphenyl Carbonate. ACS Catalysis, 2013, 3, 389-392.	11.2	26
33	Electrocatalysis of heat-treated cobalt-porphyrin/carbon for hydrogen peroxide formation. Electrochimica Acta, 2013, 108, 321-329.	5.2	53
34	Study of Direct Synthesis of Hydrogen Peroxide Acid Solutions at a Heat-Treated MnClâ€“Porphyrin/Activated Carbon Cathode from H₂ and O₂. Journal of Physical Chemistry C, 2012, 116, 4572-4583.	3.1	25
35	Phosgene-Free Method for Diphenyl Carbonate Synthesis at the Pd⁰/Ketjenblack Anode. Journal of Physical Chemistry C, 2012, 116, 10607-10616.	3.1	20
36	Electrosynthesis of Neutral H₂O₂ Solution from O₂ and Water at a Mixed Carbon Cathode Using an Exposed Solid-Polymer-Electrolyte Electrolysis Cell. Journal of Physical Chemistry C, 2011, 115, 5792-5799.	3.1	69

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37	Performance analysis of active carbon recycling energy system. Progress in Nuclear Energy, 2011, 53, 1017-1021.	2.9	9
38	A Fuelâ€Cell Reactor for the Direct Synthesis of Hydrogen Peroxide Alkaline Solutions from H₂ and O₂. ChemSusChem, 2011, 4, 494-501.	6.8	31
39	Catalytic neutral hydrogen peroxide synthesis from O2 and H2 by PEMFC fuel. Catalysis Today, 2011, 164, 163-168.	4.4	19
40	Direct synthesis of diphenyl carbonate by mediated electrocarbonylation of phenol at Pd2+-supported activated carbon anode. Electrochimica Acta, 2011, 56, 2926-2933.	5.2	11
41	Synergistic Decomposition of CO2 by Hybridization of a Dielectric Barrier Discharge Reactor and a Solid Oxide Electrolyser Cell. Kagaku Kogaku Ronbunshu, 2011, 37, 114-119.	0.3	15
42	Study of the Electrochemical Carbonylation of Ethanol and Ethylene at Pd/C Anode. ECS Transactions, 2010, 25, 35-40.	0.5	2
43	Preliminary Study of Burnup Characteristics for a Simplified Small Pebble Bed Reactor. , 2010, , .		0
44	Direct Synthesis of Diphenyl Carbonate by Electrocarbonylation at a Pd2+-supported Anode. Chemistry Letters, 2010, 39, 418-419.	1.3	7
45	Catalytic Synthesis of Neutral Hydrogen Peroxide at a CoN₂C_{<i>x</i>} Cathode of a Polymer Electrolyte Membrane Fuel Cell (PEMFC). ChemSusChem, 2010, 3, 59-62.	6.8	51
46	Oxidation of alkane using Pt/Eu2O3/TiO2/SiO2 catalyst with O2 and H2 in acetic acid under mild conditions. Catalysis Today, 2010, 157, 286-290.	4.4	6
47	Neutral H2O2 Synthesis by Electrolysis of O2 and Water. ECS Transactions, 2009, 25, 19-24.	0.5	2
48	Alloying effects of Pd and Ni on the catalysis of the oxidation of dry CH4 in solid oxide fuel cells. Applied Catalysis A: General, 2009, 369, 119-124.	4.3	27
49	Direct Synthesis of H2O2 by a H2/O2 Fuel Cell. Catalysis Surveys From Asia, 2008, 12, 78-87.	2.6	29
50	Catalytic Synthesis of Neutral H₂O₂ Solutions from O₂ and H₂ by a Fuel Cell Reaction. ChemSusChem, 2008, 1, 988-992.	6.8	47
51	Neutral H₂O₂ Synthesis by Electrolysis of Water and O₂. Angewandte Chemie - International Edition, 2008, 47, 1900-1902.	13.8	162
52	Direct synthesis of H2O2 acid solutions on carbon cathode prepared from activated carbon and vapor-growing-carbon-fiber by a H2/O2 fuel cell. Electrochimica Acta, 2008, 53, 4824-4832.	5.2	69
53	High production of adamantane oxygenates in propionic acid using VO(acac)2 and Eu(OTf)3 with O2. Journal of Molecular Catalysis A, 2008, 294, 43-50.	4.8	8
54	Oxidation of adamantane with O2 catalysed by VO(acac)2 and reactivity of active species in acetic acid. Journal of Molecular Catalysis A, 2008, 294, 37-42.	4.8	13

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55	Mechanism of Suppression of Carbon Deposition on the Pdâ˘'Ni/Ce(Sm)O2â˘'La(Sr)CrO3 Anode in Dry CH4 Fuel. Journal of Physical Chemistry C, 2008, 112, 10308-10315.	3.1	24
56	Three-Dimensional Analysis of Carbon Nanofibers by Cross-sectional TEM Observations. Chemistry Letters, 2008, 37, 868-869.	1.3	1
57	Effect of Steam on Direct Oxidation of Methane over Pd-Ni Electrocatalyst Supported on Lanthanum Chromite Anode. ECS Transactions, 2007, 7, 1745-1751.	0.5	1
58	Simple Vanadium(V) Catalyst for Oxidation of Alkane with O2under Mild Conditions. Chemistry Letters, 2007, 36, 114-115.	1.3	17
59	High Efficient Electrochemical Carbonylation of Methanol to Dimethyl Carbonate by Br[sub 2]âˆ•Br[sup â˘'] Mediator System over Pdâˆ•C Anode. Journal of the Electrochemical Society, 2006, 153, D68.	2.9	17
60	Production of COx-Free Hydrogen from Biomass and NaOH Mixture:â€‰ Effect of Catalysts. Energy & Fuels, 2006, 20, 748-753.	5.1	36
61	Synthesis of SiO2Nanotubes and Their Application as Nanoscale Reactors. Chemistry of Materials, 2006, 18, 996-1000.	6.7	45
62	Electrocatalysis of Heat-treated Mnâ€"Porphyrin/Carbon Cathode for Synthesis of H2O2Acid Solutions by H2/O2Fuel Cell Method. Chemistry Letters, 2006, 35, 1330-1331.	1.3	25
63	Active control of catalysis and product selectivity by a fuel cell system. Research on Chemical Intermediates, 2006, 32, 373-385.	2.7	3
64	Formation of highly concentrated hydrogen through methane decomposition over Pd-based alloy catalysts. Journal of Catalysis, 2006, 238, 353-360.	6.2	73
65	Direct Oxidation of Dry Methane by Pd-Ni Synergy Catalyst Supported on Lanthanum Chromite Based Anode. Advances in Science and Technology, 2006, 45, 2067-2076.	0.2	1
66	Catalytic Behavior of Pdâ€"Ni/Composite Anode for Direct Oxidation of Methane in SOFCs. Journal of the Electrochemical Society, 2006, 153, A140.	2.9	46
67	Fabrication of Single-crystalline MoO3Nanobelts by Using Carbons. Chemistry Letters, 2005, 34, 1428-1429.	1.3	5
68	Efficient Oxidation of Alkane with O2and H2by Euâ€"Tiâ€"Pt Catalytic System. Chemistry Letters, 2005, 34, 1486-1487.	1.3	7
69	Direct Oxidation of Methane by Pdâ€"Ni Bimetallic Catalyst over Lanthanum Chromite Based Anode for SOFC. Chemistry Letters, 2005, 34, 774-775.	1.3	15
70	Electro-catalysis of the Cu/carbon cathode for the reduction of O2 during fuel-cell reactions. Applied Catalysis A: General, 2005, 280, 149-155.	4.3	26
71	One-step production of CO- and CO2-free hydrogen from biomass. Journal of Chemical Technology and Biotechnology, 2005, 80, 281-284.	3.2	39
72	Active Control of Methanol Carbonylation Selectivity over Au/Carbon Anode by Electrochemical Potential. Journal of Physical Chemistry B, 2005, 109, 9140-9147.	2.6	17

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73	Electrocatalytic synthesis of DMC over the Pd/VGCF membrane anode by gasâ€"liquidâ€"solid phase-boundary electrolysis. Journal of Catalysis, 2004, 221, 110-118.	6.2	28
74	Reduction of NO with the carbon nanofibers formed by methane decomposition. Carbon, 2004, 42, 1609-1617.	10.3	12
75	Selectivity Control of Carbonylation of Methanol to Dimethyl Oxalate and Dimethyl Carbonate over Gold Anode by Electrochemical Potential. Journal of the American Chemical Society, 2004, 126, 5346-5347.	13.7	34
76	Reductive Activation of O2 and Monooxygenation of Hydrocarbons by Eu Catalyst. ChemInform, 2003, 34, no.	0.0	0
77	Direct and Continuous Production of Hydrogen Peroxide with 93â€‰% Selectivity Using a Fuel-Cell System. Angewandte Chemie - International Edition, 2003, 42, 3653-3655.	13.8	189
78	The partial oxidation of methanol using a fuel cell reactor. Applied Catalysis A: General, 2003, 247, 219-229.	4.3	27
79	83 Complete hydrodechlorination of chloro-aromatics catalyzed by Pd/TiO2 with H2. Studies in Surface Science and Catalysis, 2003, 145, 383-386.	1.5	4
80	Electrochemical Studies of the Alkene-NO[sub x] Fuel Cell for Organic Synthesis. Journal of the Electrochemical Society, 2003, 150, D129.	2.9	6
81	Selective Carbonylation of Methanol to Dimethyl Carbonate by Gasâ€"Liquidâ€"Solid-Phase Boundary Electrolysis. Chemistry Letters, 2002, 31, 448-449.	1.3	6
82	Direct Synthesis of Hydrogen Peroxide (>1 wt%) over the Cathode Prepared from Active Carbon and Vapor-Grown-Carbon-Fiber by a New H2â€"O2Fuel Cell System. Chemistry Letters, 2002, 31, 852-853.	1.3	34
83	Partial oxidation of light alkanes by reductive activated oxygen over the (Pd-black + VO(acac)2/VGCF) cathode of H2â€"O2 cell system at 298 K. Applied Catalysis A: General, 2002, 226, 305-315.	4.3	25
84	Reductive Activation of O2 and Monooxygenation of Hydrocarbons by Eu Catalyst. Catalysis Surveys From Asia, 2002, 6, 63-72.	2.6	9
85	Partial oxidation of alkenes by a membrane catalyst conducting H+ and eâ^'. Catalysis Communications, 2001, 2, 151-154.	3.3	0
86	Rapid and Complete Hydrodechlorination of 2,4-Dichlorophenoxyacetic Acid Catalyzed by Pd/TiO2with H2in Deionized Water. Chemistry Letters, 2001, 30, 368-369.	1.3	7
87	Production of hydrogen from methane without CO2-emission mediated by indium oxide and iron oxide. International Journal of Hydrogen Energy, 2001, 26, 191-194.	7.1	88
88	Characterization of silica-supported Ni catalysts effective for methane decomposition by NiK-edge XAFS. Journal of Synchrotron Radiation, 2001, 8, 587-589.	2.4	4
89	Partial oxidation of alkenes by a membrane catalyst utilizing fuel cell reactions. Catalysis Today, 2001, 71, 189-197.	4.4	2
90	Oxidative coupling of methane over Li+-added Y2O3 catalyst prepared from Y(OH)3. Catalysis Today, 2001, 71, 31-36.	4.4	10

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91	Decomposition of methane over supported-Ni catalysts: effects of the supports on the catalytic lifetime. Applied Catalysis A: General, 2001, 217, 101-110.	4.3	239
92	An Alkene-NO[sub x] Cell for the Wacker-Type Oxidation of Alkenes. Journal of the Electrochemical Society, 2001, 148, D4.	2.9	3
93	Oxygenation of alkanes and aromatics by reductively activated oxygen during H2â€“O2 cell reactions. Catalysis Today, 2000, 57, 71-86.	4.4	37
94	Oxidation of alkanes with H2O on Ir(acac)3 supported on a carbon fiber-anode. Chemical Communications, 2000, , 2209-2210.	4.1	10
95	Electrolytic Synthesis of Propene Oxide from Propene and Water in the Gas Phase. Electrochemical and Solid-State Letters, 1999, 2, 131.	2.2	10
96	Oxygenates from Light Alkanes Catalyzed by NOx in the Gas Phase. Journal of Catalysis, 1999, 185, 182-191.	6.2	56
97	Dechlorination of chloroaromatics by electrocatalytic reduction over palladium-loaded carbon felt at room temperature. Chemosphere, 1999, 39, 1819-1831.	8.2	53
98	Direct Partial Oxidation of Methane to Synthesis Gas by Cerium Oxide. Journal of Catalysis, 1998, 175, 152-160.	6.2	306
99	Oxidation of methane and benzene with oxygen catalyzed by reduced vanadium species at 40Â°C. Journal of Molecular Catalysis A, 1998, 133, 251-254.	4.8	23
100	One-step synthesis of propylene oxide catalysed by the EuCl3â€“O2â€“Znâ€“MeCO2H-system. Applied Catalysis A: General, 1998, 171, 309-314.	4.3	7
101	Pdâ€Loaded Carbon Felt as the Cathode for Selective Dechlorination of 2,4â€Dichlorophenoxyacetic Acid in Aqueous Solution. Journal of the Electrochemical Society, 1998, 145, 3844-3850.	2.9	38
102	Oxidation of Benzene to Benzoquinone during Electrolysis of Water over the Carbon Fiber-Anode. Chemistry Letters, 1998, 27, 1059-1060.	1.3	2
103	Decomposition and Regeneration of Methane by Hydrogen Absorbing Alloys. Chemistry Letters, 1998, 27, 873-874.	1.3	6
104	Electrocatalytic Dehalogenation of Chloroaromatics on Palladium-loaded Carbon Felt Cathode in Aqueous Medium. Chemistry Letters, 1998, 27, 303-304.	1.3	7
105	The production of synthesis gas by the redox of cerium oxide. Studies in Surface Science and Catalysis, 1997, 107, 531-536.	1.5	54
106	Hydroformylation of Ethylene via Spontaneous Cell Reactions in the Gas Phase. Journal of Catalysis, 1997, 165, 221-230.	6.2	10
107	Reactivity of active oxygen species generated in the EuCl3 catalytic system for monooxygenation of hydrocarbons. Journal of the Chemical Society Perkin Transactions II, 1996, , 2511.	0.9	25
108	Reaction Mechanism of NO Reduction by CH4over Rare Earth Oxides in Oxidizing Atmosphere. Bulletin of the Chemical Society of Japan, 1996, 69, 3367-3373.	3.2	14

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109	Enhancing Effect of Titanium(II) for the Oxidation of Methane with O2by an EuCl3-Zn-CF3CO2H-Catalytic System at 40 Â°C. Chemistry Letters, 1996, 25, 565-566.	1.3	18
110	Selective Electrochemical Dehalogenation of 2,4-Dichlorophenoxyacetic Acid in MeCN at Room Temperature. Chemistry Letters, 1996, 25, 261-262.	1.3	13
111	Oxidation and epoxidation of hydrocarbons with O2 catalysed by EuCl3. Journal of Molecular Catalysis A, 1996, 110, 119-128.	4.8	14
112	A Hydrogenâ€Nitric Oxide Cell for the Synthesis of Hydroxylamine. Journal of the Electrochemical Society, 1996, 143, 3491-3497.	2.9	31
113	Catalysis of Sm3+ for the oxidation of alkanes with O2 in the liquid phase. Journal of Molecular Catalysis A, 1995, 95, 115-120.	4.8	9
114	Ethane oxidative dehydrogenation over boron oxides supported on yttria stabilized zirconia. Catalysis Today, 1995, 24, 315-320.	4.4	16
115	Electrolytic Carbonylation of Methanol over the CuCl2 Anode in the Gas Phase. Journal of the Electrochemical Society, 1995, 142, 130-135.	2.9	14
116	Direct synthesis of propene oxide by using an EuCl3 catalytic system at room temperature. Journal of the Chemical Society Chemical Communications, 1995, , 1185.	2.0	23
117	Oxidation of methane to methanol with oxygen catalysed by europium trichloride at room temperature. Journal of the Chemical Society Chemical Communications, 1995, , 2235.	2.0	53
118	Oxidative dehydrogenation of ethane over B2O3 catalysts supported on yttria stabilized zirconia. , 1994, , 91-94.		0
119	Partial oxidation of methane over iron molybdate catalyst. Studies in Surface Science and Catalysis, 1994, 81, 503-508.	1.5	4
120	Gas phase oxidation of benzene to phenol ad hydroquinone by using an H2î—¸O2 fuel cell system. Electrochimica Acta, 1994, 39, 2545-2549.	5.2	20
121	Dimethyl carbonate synthesis by electrolytic carbonylation of methanol in the gas phase. Electrochimica Acta, 1994, 39, 2109-2115.	5.2	24
122	Investigation of the nature of the active oxygen intermediate at graphite-supported SmCl3 and FeCl3 working as a cathode for the partial oxidation of alkanes and aromatics. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 451.	1.7	14
123	Epoxidation of Alkenes with O2Catalyzed by EuCl3under Ambient Conditions. Chemistry Letters, 1994, 23, 1717-1720.	1.3	9
124	Europium-Catalysis for the Mono-Oxygenation of Alkanes in the Liquid Phase. Chemistry Letters, 1994, 23, 1511-1514.	1.3	7
125	Simultaneous Epoxidation of 1-Hexene and Hydroxylation of Benzene during Electrolysis of Water. Chemistry Letters, 1994, 23, 1861-1864.	1.3	5
126	Synthesis of Dimethyl Garbonate by Electrolytic Carbonylation of Methanol in the Gas Phase. Chemistry Letters, 1994, 23, 495-498.	1.3	14

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127	Partial oxidation of benzene over the carbon whisker cathode added with iron oxide and palladium black during O2-H2 fuel cell reactions. Studies in Surface Science and Catalysis, 1994, , 703-711.	1.5	5
128	Cyclohexane oxidation with dioxygen catalyzed by samarium (III). Journal of Molecular Catalysis, 1993, 83, L15-L18.	1.2	13
129	Partial oxidation of cyclohexane with reductively activated dioxygen on SmCl3supported on graphite during H2â€“O2fuel cell reactions. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1791-1797.	1.7	16
130	Epoxidation of cyclohexene with the nascent oxygen generated by electrolysis of water. Journal of the Chemical Society Chemical Communications, 1993, , 611.	2.0	6
131	Kinetic study of the partial oxidation of methane over Fe2(MoO4)3 catalyst. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 4225.	1.7	24
132	Partial oxidation of alkanes and aromatics with activated oxygen over an SmCl3-embedded graphite cathode. Journal of Alloys and Compounds, 1993, 193, 56-58.	5.5	3
133	Partial Oxidation of Methane Using the Redox of Cerium Oxide. Chemistry Letters, 1993, 22, 1517-1520.	1.3	154
134	Partial Oxidation of Toluene to Benzaldehyde and Benzyl Alcohol by Applying an H2-O2Fuel Cell System. Chemistry Letters, 1992, 21, 773-776.	1.3	8
135	Synthesis of cresols by applying H2î—¸O2 fuel cell reaction. Electrochimica Acta, 1992, 37, 2549-2552.	5.2	7
136	The Selective Oxidation of Toluene to Benzaldehyde Applying a Fuel Cell System in the Gas Phase. Journal of the Electrochemical Society, 1991, 138, 3176-3182.	2.9	11
137	The Partial Oxidations of Cyclohexane and Benzene on the FeCl3â€‰â€â€‰Embedded Cathode during the â€‰Oâ€‰2â€‰â€â€‰ Fuel Cell Reactions. Journal of the Electrochemical Society, 1991, 138, 1033-1038.	2.9	22
138	The Partial Oxidations of Benzene and Cyclohexane During Fuel Cell Reactions of O2and H2. Chemistry Letters, 1990, 19, 509-512.	1.3	7
139	A fuel cell for the partial oxidation of cyclohexane and aromatics at ambient temperatures. Nature, 1990, 345, 697-698.	27.8	56
140	One step synthesis of hydrogen peroxide through fuel cell reaction. Electrochimica Acta, 1990, 35, 319-322.	5.2	147
141	Oxidative coupling of methane applying a solid oxide fuel cell system. Catalysis Today, 1990, 6, 587-592.	4.4	45
142	Selective Synthesis of Acetaldehyde Applying a Fuel Cell System in the Gas Phase. Journal of the Electrochemical Society, 1990, 137, 2076-2081.	2.9	26
143	Wacker type and ?-allyl type oxidations of propylene controlled by fuel cell system in the gas phase. Catalysis Letters, 1989, 3, 365-369.	2.6	12
144	One-step oxidation of benzene to phenol applying a fuel cell system. Electrochimica Acta, 1989, 34, 1485-1488.	5.2	29

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145	The electrochemically promoted formations of formaldehyde and dimethyl ether during electrocatalytic oxidations of methanol and methylal. Electrochimica Acta, 1989, 34, 211-214.	5.2	17
146	Electrochemical enhancement of oxidative coupling of methane over LiCl-doped NiO using stabilized zirconia electrolyte. Catalysis Letters, 1988, 1, 423-428.	2.6	23
147	Selective synthesis of acetaldehyde using a fuel cell system in the gas phase. Journal of the Chemical Society Chemical Communications, 1988, , 1272.	2.0	16
148	Electrochemical Control for Oxidative Coupling of Methane over LiNiO2Using Solid Electrolytes. Chemistry Letters, 1988, 17, 317-318.	1.3	20
149	Partial Oxidation of Methanol Using a Fuel Cell System at Room Temperature. Chemistry Letters, 1988, 17, 753-756.	1.3	6
150	Synthesis of Methyl Formate by Electrocatalytic Oxidation of Methanol in the Gas Phase Using Heteropoly and Phosphoric Acids. Chemistry Letters, 1987, 16, 1087-1090.	1.3	7
151	The Active Hydrogen Electrochemically or Thermally Generated on Pd/H3PO4/Pd Catalysts. Chemistry Letters, 1987, 16, 1945-1948.	1.3	2
152	Electrocatalytic synthesis of methyl formate and methylal from methanol on a platinum-bonded solid polymer electrolyte membrane. Applied Catalysis, 1986, 26, 401-404.	0.8	33
153	Effect of an Oxides Composite Support of Ce(Sm)O₃-La(Sr)CrO₃ on Pd-Ni Alloy for Decomposition Activity of CH₄. Advances in Science and Technology, 0, , .	0.2	0