Tomoki Akita

List of Publications by Year in descending order

150 papers	16,885 citations	19657 61 h-index	13771 129 g-index
158 all docs	158 docs citations	158 times ranked	18007 citing authors

#	Article	IF	Citations
1	CO Oxidation Properties and Scanning Transmission Electron Microscopy Observation of Au/SrTiO3 Catalysts. Catalysis Letters, 2018, 148, 3035-3041.	2.6	5
2	Transmission electron microscopy investigation of the LiMn2O4/NaxMnO2 interface as a model study of a Na-ion battery electrode. AIP Advances, 2016, 6, .	1.3	8
3	A Simultaneous Solid Grinding Method for the Preparation of Gold Catalysts. Catalysis Letters, 2016, 146, 2376-2380.	2.6	3
4	Practical analysis of Li distribution by EELS. Surface and Interface Analysis, 2016, 48, 1226-1230.	1.8	13
5	Characterization of MgO-coated-LiCoO2 particles by analytical transmission electron microscopy. Journal of Power Sources, 2016, 328, 161-166.	7.8	17
6	Metalâ€Organic Frameworkâ€Derived Honeycombâ€Like Open Porous Nanostructures as Preciousâ€Metalâ€Free Catalysts for Highly Efficient Oxygen Electroreduction. Advanced Materials, 2016, 28, 6391-6398.	21.0	414
7	Synthesis of carbon-supported PtRh random alloy nanoparticles using electron beam irradiation reduction method. Radiation Physics and Chemistry, 2016, 122, 9-14.	2.8	7
8	Lithium Distribution Maps by Scanning Transmission Electron Microscopy (STEM)-Electron Energy Loss Spectroscopy (EELS). Journal of the Vacuum Society of Japan, 2015, 58, 367-374.	0.3	1
9	Degradation Analysis of LiCoO₂Positive Electrode Material of a Li-Ion Battery Using the Li K-Edge Signal Obtained from STEM-EELS Measurements. E-Journal of Surface Science and Nanotechnology, 2015, 13, 284-288.	0.4	11
10	Toward Homogenization of Heterogeneous Metal Nanoparticle Catalysts with Enhanced Catalytic Performance: Soluble Porous Organic Cage as a Stabilizer and Homogenizer. Journal of the American Chemical Society, 2015, 137, 7063-7066.	13.7	224
11	Spontaneous Li-Ion Transfer from Spinel Li₄Ti₅O₁₂Surfaces: Deterioration at Li₄Ti₅O₁₂/Electrolyte Interfaces Stored at Room Temperature. Journal of the Electrochemical Society, 2015, 162, A1272-A1275.	2.9	20
12	B13-P-09Analysis of Lithium compounds using Li K-edge reflection EELS. Microscopy (Oxford, England), 2015, 64, i97.1-i97.	1.5	0
13	B21-P-02STEM observations of Au/SrTiO₃catalysts. Microscopy (Oxford, England), 2015, 64, i98.1-i98.	1.5	0
14	Low-temperature CO oxidation properties and TEM/STEM observation of Au/Î³-Fe2O3 catalysts. Journal of Catalysis, 2015, 324, 127-132.	6.2	43
15	Surfactant-free Pd nanoparticles immobilized to a metalâ€“organic framework with size- and location-dependent catalytic selectivity. Chemical Communications, 2015, 51, 2577-2580.	4.1	83
16	Radiochemical synthesis of a carbon-supported Ptâ€“SnO2 bicomponent nanostructure exhibiting enhanced catalysis of ethanol oxidation. Radiation Physics and Chemistry, 2015, 108, 1-6.	2.8	6
17	Synergistic effects of Ni and Cu supported on TiO2 and SiO2 on photocatalytic H2 evolution with an electron donorâ€“acceptor linked molecule. Catalysis Science and Technology, 2015, 5, 979-988.	4.1	19
18	Visualization of the distribution of anatase and rutile TiO₂ crystals in Au/TiO₂ powder catalysts by STEMâ€“EELS spectrum imaging. Surface and Interface Analysis, 2014, 46, 1249-1252.	1.8	10

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19	High Activity of Gold/Tin-Dioxide Catalysts for Low-Temperature CO Oxidation: Application of a Reducible Metal Oxide to a Catalyst Support. Catalysis Letters, 2014, 144, 2086-2090.	2.6	17
20	Preparation of microporous polymer-encapsulated Pd nanoparticles and their catalytic performance for hydrogenation and oxidation. Tetrahedron, 2014, 70, 6150-6155.	1.9	29
21	Atomistic structure of a spinel Li4Ti5O12(111) surface elucidated by scanning tunneling microscopy and medium energy ion scattering spectrometry. Surface Science, 2014, 619, 5-9.	1.9	29
22	Atomic and electronic structures of Li4Ti5O12/Li7Ti5O12 (001) interfaces by first-principles calculations. Journal of Materials Science, 2014, 49, 4032-4037.	3.7	24
23	Two-phase separation in a lithiated spinel Li4Ti5O12 crystal as confirmed by electron energy-loss spectroscopy. Journal of Power Sources, 2014, 257, 120-125.	7.8	45
24	Cooperative catalysis of palladium nanoparticles and cobalt oxide support for formylation of aryl iodides under syngas atmosphere. Applied Catalysis A: General, 2014, 469, 146-152.	4.3	10
25	Irreversible structural change of a spinel Li4Ti5O12 particle via Na insertion-extraction cycles of a sodium-ion battery. Electrochimica Acta, 2014, 148, 175-179.	5.2	30
26	From ionic-liquid@metalâ€“organic framework composites to heteroatom-decorated large-surface area carbons: superior CO2 and H2 uptake. Chemical Communications, 2014, 50, 6498.	4.1	81
27	Characterization of Surface of LiCoO2Modified by Zr Oxides Using Analytical Transmission Electron Microscopy. Journal of the Electrochemical Society, 2014, 161, A1521-A1526.	2.9	21
28	Liâ€vapor induction growth of singleâ€crystalline Li₄Ti₅O₁₂ specimen for transmission electron microscopy. Surface and Interface Analysis, 2014, 46, 1245-1248.	1.8	10
29	Novel Formation of Ag/Au Bimetallic Nanoparticles by Physical Mixture of Monometallic Nanoparticles in Dispersions and Their Application to Catalysts for Aerobic Glucose Oxidation. Langmuir, 2013, 29, 10330-10339.	3.5	62
30	Promotional effect of Au on reduction of Ni(II) to form Auâ€“Ni alloy catalysts for hydrogenolysis of benzylic alcohols. Journal of Catalysis, 2013, 307, 254-264.	6.2	32
31	Mechanism of Low-Temperature CO Oxidation on Pt/Fe-Containing Alumina Catalysts Pretreated with Water. Journal of Physical Chemistry C, 2013, 117, 1268-1277.	3.1	45
32	Metalâ€“Organic Framework-Immobilized Polyhedral Metal Nanocrystals: Reduction at Solidâ€“Gas Interface, Metal Segregation, Coreâ€“Shell Structure, and High Catalytic Activity. Journal of the American Chemical Society, 2013, 135, 16356-16359.	13.7	119
33	A new type of molybdenum oxide crystal encapsulated inside a single-walled carbon nanotube. Microscopy (Oxford, England), 2013, 62, 271-282.	1.5	1
34	Platinumâ€“titanium alloy catalysts on a MagnÃ©li-phase titanium oxide support for improved durability in Polymer Electrolyte Fuel Cells. Journal of Power Sources, 2013, 223, 183-189.	7.8	51
35	Preparation of a spinel LiMn2O4 single crystal film from a MnO wafer. Journal of Power Sources, 2013, 232, 7-11.	7.8	18
36	Effect of CeO2 support properties on structure of Ptâ€“Cu nanoparticles synthesized by electron beam irradiation method for preferential CO oxidation. Chemical Engineering Journal, 2013, 223, 347-355.	12.7	14

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37	Electron Microscopy Study of Gold Nanoparticles Deposited on Transition Metal Oxides. Accounts of Chemical Research, 2013, 46, 1773-1782.	15.6	100
38	Characterization of two phase distribution in electrochemically-lithiated spinel Li4Ti5O12 secondary particles by electron energy-loss spectroscopy. Journal of Power Sources, 2013, 237, 26-32.	7.8	60
39	Characterization of the Surface of LiCoO₂Particles Modified by Al and Si Oxide Using Analytical TEM. Journal of the Electrochemical Society, 2013, 160, A2293-A2298.	2.9	26
40	Heterogeneous Catalysis by Gold. Advances in Catalysis, 2012, 55, 1-126.	0.2	139
41	Baseâ€Free Direct Oxidation of 1â€Octanol to Octanoic Acid and its Octyl Ester over Supported Gold Catalysts. ChemSusChem, 2012, 5, 2243-2248.	6.8	52
42	Strong metalâ€“molecular support interaction (SMMSI): Amine-functionalized gold nanoparticles encapsulated in silica nanospheres highly active for catalytic decomposition of formic acid. Journal of Materials Chemistry, 2012, 22, 12582.	6.7	137
43	First-principles calculations of O-K ELNES/XANES of lithium titanate. Journal Physics D: Applied Physics, 2012, 45, 494004.	2.8	16
44	Preparation of a spinel Li4Ti5O12 (111) surface from a rutile TiO2 single crystal. Applied Surface Science, 2012, 258, 3147-3151.	6.1	26
45	Study of Surface Reaction of Spinel Li₄Ti₅O₁₂ during the First Lithium Insertion and Extraction Processes Using Atomic Force Microscopy and Analytical Transmission Electron Microscopy. Langmuir, 2012, 28, 12384-12392.	3.5	65
46	Intrinsic Catalytic Structure of Gold Nanoparticles Supported on TiO₂. Angewandte Chemie - International Edition, 2012, 51, 7729-7733.	13.8	139
47	Support effects of metal oxides on gold-catalyzed one-pot N-alkylation of amine with alcohol. Applied Catalysis A: General, 2012, 413-414, 261-266.	4.3	65
48	Durable polymer electrolyte fuel cells (PEFC) for residential co-generation application. Synthesiology, 2012, 5, 56-64.	0.2	0
49	A one-pot protocol for synthesis of non-noble metal-based coreâ€“shell nanoparticles under ambient conditions: toward highly active and cost-effective catalysts for hydrolytic dehydrogenation of NH3BH3. Chemical Communications, 2011, 47, 10999.	4.1	107
50	Electronic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi></mml:mrow></mml:math>-band properties of gold nanoclusters grown on amorphous carbon. Physical Review B, 2011, 83, .	3.2	50
51	Photodeposition of Ag₂S Quantum Dots and Application to Photoelectrochemical Cells for Hydrogen Production under Simulated Sunlight. Langmuir, 2011, 27, 7294-7300.	3.5	94
52	Aerobic Oxidation of Cyclohexane Catalyzed by Size-Controlled Au Clusters on Hydroxyapatite: Size Effect in the Sub-2 nm Regime. ACS Catalysis, 2011, 1, 2-6.	11.2	383
53	Synergistic Catalysis of Au@Ag Coreâˆ'Shell Nanoparticles Stabilized on Metalâˆ'Organic Framework. Journal of the American Chemical Society, 2011, 133, 1304-1306.	13.7	858
54	Synergistic Catalysis of Metalâ€“Organic Framework-Immobilized Auâ€“Pd Nanoparticles in Dehydrogenation of Formic Acid for Chemical Hydrogen Storage. Journal of the American Chemical Society, 2011, 133, 11822-11825.	13.7	725

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55	Propene epoxidation with O2 and H2: Identification of the most active gold clusters. Journal of Catalysis, 2011, 278, 8-15.	6.2	112
56	Switching of reactions between hydrogenation and epoxidation of propene over Au/Ti-based oxides in the presence of H2 and O2. Journal of Catalysis, 2011, 281, 12-20.	6.2	95
57	From Metalâ€“Organic Framework to Nanoporous Carbon: Toward a Very High Surface Area and Hydrogen Uptake. Journal of the American Chemical Society, 2011, 133, 11854-11857.	13.7	1,071
58	Sequential HAADF-STEM observation of structural changes in Au nanoparticles supported on CeO2. Journal of Materials Science, 2011, 46, 4384-4391.	3.7	24
59	Size-Controlled Synthesis of Gold Clusters as Efficient Catalysts for Aerobic Oxidation. Catalysis Surveys From Asia, 2011, 15, 230-239.	2.6	31
60	One-step synthesis of magnetically recyclable Au/Co/Fe triple-layered core-shell nanoparticles as highly efficient catalysts for the hydrolytic dehydrogenation of ammonia borane. Nano Research, 2011, 4, 1233-1241.	10.4	77
61	Ultrafine Gold Clusters Incorporated into a Metalâ€“Organic Framework. Chemistry - A European Journal, 2011, 17, 78-81.	3.3	97
62	Facile synthesis and catalytic activity of MoS2/TiO2 by a photodeposition-based technique and its oxidized derivative MoO3/TiO2 with a unique photochromism. Journal of Colloid and Interface Science, 2011, 354, 607-610.	9.4	105
63	Participation of Oxygen in Charge/Discharge Reactions in Li_{1.2}Mn_{0.4}Fe_{0.4}O₂: Evidence of Removal/Reinsertion of Oxide Ions. Journal of the Electrochemical Society, 2011, 158, A760-A768.	2.9	51
64	Corrosion-Resistant PEMFC Cathode Catalysts Based on a Magnèli-Phase Titanium Oxide Support Synthesized by Pulsed UV Laser Irradiation. Journal of the Electrochemical Society, 2011, 158, C329.	2.9	41
65	Ultrafast Photodeposition of Sizeâ€Controlled PbS Quantum Dots on TiO₂. ChemPhysChem, 2010, 11, 2349-2352.	2.1	21
66	Bimetallic Auâ€“Ni Nanoparticles Embedded in SiO₂ Nanospheres: Synergetic Catalysis in Hydrolytic Dehydrogenation of Ammonia Borane. Chemistry - A European Journal, 2010, 16, 3132-3137.	3.3	196
67	Aerobic oxidation of glucose over gold nanoparticles deposited on cellulose. Applied Catalysis A: General, 2010, 377, 42-46.	4.3	81
68	Gold clusters supported on alkaline treated TS-1 for highly efficient propene epoxidation with O2 and H2. Applied Catalysis B: Environmental, 2010, 95, 430-438.	20.2	148
69	Gold clusters supported on La(OH)3 for CO oxidation at 193K. Chemical Physics Letters, 2010, 493, 207-211.	2.6	37
70	TEM and STEM Study of the Au Nano-Particles Supported on Cerium Oxides. Materials Science Forum, 2010, 654-656, 2362-2365.	0.3	8
71	Size Effect of Silica-supported Gold Clusters in the Microwave-assisted Oxidation of Benzyl Alcohol with H2O2. Chemistry Letters, 2010, 39, 159-161.	1.3	35
72	First-Principles Calculations of C₂H₄ Adsorption on Pd Surface Stacked on Fcc-Au. Materials Science Forum, 2010, 654-656, 1666-1669.	0.3	0

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73	Deposition of gold clusters onto porous coordination polymers by solid grinding. Studies in Surface Science and Catalysis, 2010, 175, 839-842.	1.5	4
74	One-Step Seeding Growth of Magnetically Recyclable Au@Co Coreâ^'Shell Nanoparticles: Highly Efficient Catalyst for Hydrolytic Dehydrogenation of Ammonia Borane. Journal of the American Chemical Society, 2010, 132, 5326-5327.	13.7	453
75	Atomic and Electronic Structures of Li_{0.44}MnO₂ Nanowires and Li₂MnO₃ Byproducts in the Formation Process of LiMn₂O₄ Nanowires. Journal of Physical Chemistry C, 2010, 114, 18358-18365.	3.1	11
76	TEM observation of CuBr nanoparticles prepared by copper diffusion process in a glass matrix. Journal of Non-Crystalline Solids, 2010, 356, 852-855.	3.1	3
77	Efficient and selective epoxidation of styrene with TBHP catalyzed by Au25clusters on hydroxyapatite. Chemical Communications, 2010, 46, 550-552.	4.1	271
78	Formation of electro-conductive titanium oxide fine particles by pulsed UV laser irradiation. Physical Chemistry Chemical Physics, 2010, 12, 7529.	2.8	29
79	Formation and Disappearance of Spinel Nanograins in Li[sub 1.2â^'x]Mn[sub 0.4]Fe[sub 0.4]O[sub 2]â€,(0â‰¤xâ‰¤0.99) during Extraction and Insertion of Li Ions. Journal of the Electrochemical Society, 2009, 156, A839.	2.9	19
80	Propene Epoxidation with Dioxygen Catalyzed by Gold Clusters. Angewandte Chemie - International Edition, 2009, 48, 7862-7866.	13.8	206
81	Hydrogen Dissociation by Gold Clusters. Angewandte Chemie - International Edition, 2009, 48, 9515-9518.	13.8	277
82	One-potN-alkylation of primary amines to secondary amines by gold clusters supported on porous coordination polymers. Gold Bulletin, 2009, 42, 267-274.	2.7	118
83	Deposition of gold nanoparticles on carbons for aerobic glucose oxidation. Applied Catalysis A: General, 2009, 369, 8-14.	4.3	76
84	Photodeposition of CdS Quantum Dots on TiO₂: Preparation, Characterization, and Reaction Mechanism. Journal of Physical Chemistry C, 2009, 113, 16711-16716.	3.1	86
85	Preparation and catalytic reaction of Au/Pd bimetallic nanoparticles in Apo-ferritin. Chemical Communications, 2009, , 4871.	4.1	92
86	Au nanoparticle electrocatalysis in a photoelectrochemical solar cell using CdS quantum dot-sensitized TiO2 photoelectrodes. Chemical Communications, 2009, , 2011.	4.1	42
87	Preparation of â^¼1 nm Gold Clusters Confined within Mesoporous Silica and Microwave-Assisted Catalytic Application for Alcohol Oxidation. Journal of Physical Chemistry C, 2009, 113, 13457-13461.	3.1	136
88	Au@ZIF-8: CO Oxidation over Gold Nanoparticles Deposited to Metalâ^'Organic Framework. Journal of the American Chemical Society, 2009, 131, 11302-11303.	13.7	772
89	Title is missing!. Synthesiology, 2009, 2, 42-50.	0.2	0
90	Basic materials research for the development of ubiquitous-energy devices. Synthesiology, 2009, 2, 45-54.	0.2	0

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91	TEM and HAADF-STEM study of the structure of Au nano-particles on CeO2. Journal of Materials Science, 2008, 43, 3917-3922.	3.7	30
92	Deposition of Gold Clusters on Porous Coordination Polymers by Solid Grinding and Their Catalytic Activity in Aerobic Oxidation of Alcohols. Chemistry - A European Journal, 2008, 14, 8456-8460.	3.3	460
93	Influence of the Support and the Size of Gold Clusters on Catalytic Activity for Glucose Oxidation. Angewandte Chemie - International Edition, 2008, 47, 9265-9268.	13.8	264
94	Analysis of degradation in PEMFC caused by cell reversal during air starvation. International Journal of Hydrogen Energy, 2008, 33, 2323-2329.	7.1	182
95	Metal-Organic Framework as a Template for Porous Carbon Synthesis. Journal of the American Chemical Society, 2008, 130, 5390-5391.	13.7	1,623
96	Coexistence of layered and cubic rocksalt structures with a common oxygen sublattice in Li1.2Mn0.4Fe0.4O2 particles: A transmission electron microscopy study. Journal of Applied Physics, 2008, 103, 104911.	2.5	44
97	Size-dependence of Fermi energy of gold nanoparticles loaded on titanium(iv) dioxide at photostationary state. Physical Chemistry Chemical Physics, 2008, 10, 6553.	2.8	78
98	A green process for coupling manganese oxides with titanium(iv) dioxide. Chemical Communications, 2008, , 3564.	4.1	19
99	First-Principles Calculations of Pd/Au(100) Interfaces with Adsorbates. Solid State Phenomena, 2008, 139, 47-52.	0.3	7
100	First-Principles Calculations of the Atomic and Electronic Structures in Au-Pd Slab Interfaces. Solid State Phenomena, 2008, 139, 29-34.	0.3	5
101	TEM and STEM study of the Au nano-particles supported on metal oxides. Materials Research Society Symposia Proceedings, 2007, 1026, 1.	0.1	1
102	Theoretical Studies of the Atomic and Electronic Structure of Nano-Hetero Metal/Inorganic Material Interfaces in Collaboration with Electron Microscopy Observations. Materials Transactions, 2007, 48, 675-683.	1.2	13
103	Gas-phase epoxidation of propylene through radicals generated by silica-supported molybdenum oxide. Applied Catalysis A: General, 2007, 316, 142-151.	4.3	56
104	Analytical TEM study on structural changes of Au particles on cerium oxide using a heating holder. Catalysis Today, 2007, 122, 233-238.	4.4	28
105	Synthesis of small palladium nanoparticles stabilized by bisphosphine BINAP bearing an alkyl chain and their palladium nanoparticle-catalyzed carbonâ€“carbon coupling reactions under room-temperature. Chemical Communications, 2006, , 3349-3351.	4.1	74
106	Platinum dissolution and deposition in the polymer electrolyte membrane of a PEM fuel cell as studied by potential cycling. Physical Chemistry Chemical Physics, 2006, 8, 746-752.	2.8	321
107	Analysis of Composition and Valence States in Positive Electrode Materials (Fe-Substituted Li2MnO3) for Lithium Ion Batteries by Analytical Transmission Electron Microscopy. Materials Research Society Symposia Proceedings, 2006, 972, 1.	0.1	0
108	All-solid-state Z-scheme in CdSâ€“Auâ€“TiO2 three-component nanojunction system. Nature Materials, 2006, 5, 782-786.	27.5	1,266

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109	Comparative study of carbon-supported Pt/Mo-oxide and PtRu for use as CO-tolerant anode catalysts. Electrochimica Acta, 2006, 52, 491-498.	5.2	70
110	Analytical TEM study of Pt particle deposition in the proton-exchange membrane of a membrane-electrode-assembly. Journal of Power Sources, 2006, 159, 461-467.	7.8	126
111	Analytical TEM observation of Au nano-particles on cerium oxide. Catalysis Today, 2006, 117, 62-68.	4.4	84
112	Surface Properties and Photocatalytic Activity of Ptcore/Agshell Nanoparticle-Loaded TiO2. ChemPhysChem, 2006, 7, 1687-1691.	2.1	19
113	Analytical TEM Observations of Au-Pd Nano-particles Prepared by Sonochemical Techniques. Materials Research Society Symposia Proceedings, 2006, 982, 1.	0.1	0
114	Characteristics of a Platinum Black Catalyst Layer with Regard to Platinum Dissolution Phenomena in a Membrane Electrode Assembly. Journal of the Electrochemical Society, 2006, 153, A1599.	2.9	77
115	Tunneling electron transport of silicon nanochains studied by in situ scanning electron microscopy. Applied Physics Letters, 2006, 89, 233124.	3.3	8
116	Kinetic and DFT Studies on the Ag/TiO2-Photocatalyzed Selective Reduction of Nitrobenzene to Aniline. ChemPhysChem, 2005, 6, 1537-1543.	2.1	64
117	Kinetic and DFT Studies on the Photoinduced Desorption of Sulfur from Gold Nanoparticles Loaded on Titanium Dioxide. ChemPhysChem, 2005, 6, 2508-2512.	2.1	8
118	Low-temperature synthesis of anataseâ€“brookite composite nanocrystals: the junction effect on photocatalytic activity. Journal of Colloid and Interface Science, 2005, 281, 510-513.	9.4	119
119	Transmission electron microscopy observation of the structure of TiO2 nanotube and Au/TiO2 nanotube catalyst. Surface and Interface Analysis, 2005, 37, 265-269.	1.8	85
120	Combinatorial Catalysis for Hydrogen Production from Ethanol. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	0
121	TEM observations of Au and Ir particles supported on CeO2. Microscopy (Oxford, England), 2005, 54, i81-i85.	1.5	6
122	Nanoscale characterization of Pd/TiO2 catalysts and Ag/TiO2 catalysts by electron holography. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	1
123	Analytical TEM Observation of Gold Nano-Particles on Cerium Oxide. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
124	Three-Dimensional Mesoporous Titanosilicates Prepared by Modified Solâ^'Gel Method:Â Ideal Gold Catalyst Supports for Enhanced Propene Epoxidation. Journal of Physical Chemistry B, 2005, 109, 3956-3965.	2.6	112
125	Instruments for preparation of heterogeneous catalysts by an impregnation method. Review of Scientific Instruments, 2005, 76, 062226.	1.3	7
126	Local Barrier Height of Ir/TiO2Model Catalysts. Japanese Journal of Applied Physics, 2004, 43, 4595-4598.	1.5	5

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127	Structural analyses by TEM of iridium deposited on TiO2 powder and rutile single crystal. Journal of Electron Microscopy, 2004, 53, 29-35.	0.9	8
128	Vapor-phase epoxidation of propylene using H2/O2 mixture over gold catalysts supported on non-porous and mesoporous titania-silica: effect of preparation conditions and pretreatments prior to reaction. Applied Catalysis A: General, 2004, 263, 19-26.	4.3	56
129	Analysis of electrocatalyst degradation in PEMFC caused by cell reversal during fuel starvation. Journal of Power Sources, 2004, 130, 42-49.	7.8	455
130	Multi-component noble metal catalysts prepared by sequential deposition precipitation for low temperature decomposition of dioxin. Applied Catalysis B: Environmental, 2003, 41, 43-52.	20.2	60
131	Highly Selective Oxidation of Allylic Alcohols Catalyzed by Monodispersed 8-Shell Pd Nanoclusters in the Presence of Molecular Oxygen.. ChemInform, 2003, 34, no.	0.0	0
132	Effect of surface chemical properties and texture of mesoporous titanosilicates on direct vapor-phase epoxidation of propylene over Au catalysts at high reaction temperature. Applied Catalysis A: General, 2003, 253, 75-89.	4.3	65
133	Analytical TEM observation of Au and Ir deposited on rutile TiO2. Journal of Electron Microscopy, 2003, 52, 119-124.	0.9	33
134	Highly selective oxidation of allylic alcohols catalysed by monodispersed 8-shell Pd nanoclusters in the presence of molecular oxygen. New Journal of Chemistry, 2003, 27, 324-328.	2.8	70
135	Formation and Properties of Silicon/Silicide/Oxide Nanochains. Materials Research Society Symposia Proceedings, 2003, 789, 69.	0.1	0
136	Electron holographic 3-D nano-analysis of Au/TiO2 catalyst at interface. Journal of Electron Microscopy, 2003, 52, 21-26.	0.9	28
137	Direct Production of Hydrogen Peroxide from H2and O2over Highly Dispersed Au catalysts. Chemistry Letters, 2003, 32, 822-823.	1.3	113
138	Au-Core/Pt-Shell Bimetallic Cluster-Loaded TiO2. 1. Adsorption of Organosulfur Compound. Journal of Physical Chemistry B, 2002, 106, 8714-8720.	2.6	97
139	Adsorption of 2,2â€²-Dipyridyl Disulfide on Au/Pt Core/Shell Bimetallic Clusters Loaded on TiO2: Fine Control of Adsorptivity for Organosulfur Compounds. ChemPhysChem, 2002, 3, 617-620.	2.1	7
140	Hydrogenation of 1,3-butadiene and of crotonaldehyde over highly dispersed Au catalysts. Catalysis Today, 2002, 74, 265-269.	4.4	201
141	CO Oxidation below Room Temperature over Ir/TiO2 Catalyst Prepared by Deposition Precipitation Method. Journal of Catalysis, 2002, 208, 485-489.	6.2	87
142	SEM and RHEEDâ€“REM Study of Au Particles Deposited on Rutile TiO2(110) by Deposition Precipitation and Gas-Phase Grafting Methods. Journal of Catalysis, 2002, 212, 119-123.	6.2	16
143	Epoxidation of propylene over gold catalysts supported on non-porous silica. Applied Catalysis A: General, 2001, 218, 81-89.	4.3	96
144	Analytical TEM study on the dispersion of Au nanoparticles in Au/TiO2 catalyst prepared under various temperatures. Surface and Interface Analysis, 2001, 31, 73-78.	1.8	157

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145	Au/TiO2 Nanosized Samples: A Catalytic, TEM, and FTIR Study of the Effect of Calcination Temperature on the CO Oxidation. Journal of Catalysis, 2001, 202, 256-267.	6.2	476
146	TEM and HAADF-STEM study of a Au catalyst supported on a TiO2 nano-rod. Journal of Electron Microscopy, 2001, 50, 473-477.	0.9	7
147	Preparation of iridium catalysts by deposition precipitation: room temperature oxidation of CO. Studies in Surface Science and Catalysis, 2000, 143, 345-352.	1.5	1
148	Surface characterization for sputter-cone formation on InP(100). Surface Science, 1998, 412-413, 24-29.	1.9	3
149	Observation of Reconstructed Pt(100) Surface by Reflection Electron Microscopy. Japanese Journal of Applied Physics, 1993, 32, L1631-L1634.	1.5	1
150	Observation of Mercury Underpotential Deposition on an Ir Surface using the Electrochemical Quartz Crystal Microbalance Technique. Electroanalysis, 0, , .	2.9	0