Masaaki Haneda

List of Publications by Year
in descending order

175	4,371	81900 39	144013 57
papers	citations	h-index	g-index

177	177	177	3426
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrile hydrogenation to secondary amines under ambient conditions over palladiumâ€“platinum random alloy nanoparticles. Catalysis Science and Technology, 2022, 12, 4128-4137.	4.1	7
2	Slow Synthesis Methodologyâ€Directed Immiscible Octahedral Pd_{<i>x</i>}Rh_{1âˆ’<i>x</i>} Dualâ€Atomâ€Site Catalysts for Superior Threeâ€Way Catalytic Activities over Rh. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
3	Slow Synthesis Methodologyâ€Directed Immiscible Octahedral Pd_{<i>x</i>}Rh_{1âˆ’<i>x</i>} Dualâ€Atomâ€Site Catalysts for Superior Threeâ€Way Catalytic Activities over Rh. Angewandte Chemie, 2022, 134, .	2.0	4
4	Comprehensive study of the light-off performance and surface properties of engine-aged Pd-based three-way catalysts. Catalysis Science and Technology, 2021, 11, 912-922.	4.1	14
5	A study of ageing effect: Migration of rhodium under air atmosphere. Catalysis Today, 2021, 376, 81-86.	4.4	5
6	Boosting reverse water-gas shift reaction activity of Pt nanoparticles through light doping of W. Journal of Materials Chemistry A, 2021, 9, 15613-15617.	10.3	17
7	Influence of crystal structure of Y-doped ZrO₂ as support oxide on the three-way catalytic performance of supported Rh catalyst. Journal of the Ceramic Society of Japan, 2021, 129, 168-174.	1.1	3
8	Reaction mechanism of NO direct decomposition over K-promoted Co-Mn-Al mixed oxides â€“ DRIFTS, TPD and transient state studies. Journal of the Taiwan Institute of Chemical Engineers, 2021, 120, 257-266.	5.3	9
9	Effect of Ageing Atmosphere on Three-way Catalytic Performance of Supported Rh Catalysts. Journal of the Japan Petroleum Institute, 2021, 64, 219-225.	0.6	0
10	Fabrication of Integrated Copperâ€Based Nanoparticles/Amorphous Metalâ€“Organic Framework by a Facile Sprayâ€Drying Method: Highly Enhanced CO 2 Hydrogenation Activity for Methanol Synthesis. Angewandte Chemie, 2021, 133, 22457-22462.	2.0	4
11	Novel hydrogen chemisorption properties of amorphous ceramic compounds consisting of p-block elements: exploring Lewis acidâ€“base Alâ€“N pair sites formed in situ within polymer-derived siliconâ€“aluminumâ€“nitrogen-based systems. Journal of Materials Chemistry A, 2021, 9, 2959-2969.	10.3	5
12	Coreduction methodology for immiscible alloys of CuRu solid-solution nanoparticles with high thermal stability and versatile exhaust purification ability. Chemical Science, 2020, 11, 11413-11418.	7.4	13
13	Growth mechanism and CO oxidation catalytic activity of raspberry-shaped Co₃O₄ nanoparticles. Journal of the Ceramic Society of Japan, 2020, 128, 291-297.	1.1	3
14	Spiky-shaped niobium pentoxide nano-architecture: highly stable and recoverable Lewis acid catalyst. Nanotechnology, 2020, 31, 325705.	2.6	9
15	Highly active, robust and reusable micro-/mesoporous TiN/Si3N4 nanocomposite-based catalysts for clean energy: Understanding the key role of TiN nanoclusters and amorphous Si3N4 matrix in the performance of the catalyst system. Applied Catalysis B: Environmental, 2020, 272, 118975.	20.2	28
16	Three-way catalytic performance of Fe-doped Pd/CeO2-ZrO2 under lean/rich perturbation conditions. Applied Catalysis A: General, 2019, 587, 117268.	4.3	14
17	Deactivation Mechanism of Pd/CeO₂â€“ZrO₂Three-Way Catalysts Analyzed by Chassis-Dynamometer Tests and<i>in Situ</i>Diffuse Reflectance Spectroscopy. ACS Catalysis, 2019, 9, 6415-6424.	11.2	40
18	Frontispiz: A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. Angewandte Chemie, 2019, 131, .	2.0	0

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19	Frontispiece: A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. Angewandte Chemie - International Edition, 2019, 58, .	13.8	1
20	A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. Angewandte Chemie, 2019, 131, 2252-2257.	2.0	11
21	A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. Angewandte Chemie - International Edition, 2019, 58, 2230-2235.	13.8	48
22	Catalytic performance of supported Ir catalysts for NO reduction with C 3 H 6 and CO in slight lean conditions. Catalysis Today, 2018, 303, 8-12.	4.4	11
23	Promoting Effect of Cerium Oxide on the Catalytic Performance of Yttrium Oxide for Oxidative Coupling of Methane. Frontiers in Chemistry, 2018, 6, 581.	3.6	9
24	Complex Three-Dimensional Co3O4 Nano-Raspberry: Highly Stable and Active Low-temperature CO Oxidation Catalyst. Nanomaterials, 2018, 8, 662.	4.1	16
25	Oxidative coupling of methane over Ba-doped Y2O3 catalystâ€"Similarity with active site for direct decomposition of NO. Molecular Catalysis, 2018, 457, 74-81.	2.0	7
26	Effect of Pd dispersion on the catalytic activity of Pd/Al2O3 for C3H6 and CO oxidation. Catalysis Today, 2017, 281, 447-453.	4.4	62
27	Core-shell type ceria zirconia support for platinum and rhodium three way catalysts. Catalysis Today, 2017, 281, 482-489.	4.4	64
28	Synthesis of ordered porous zirconia containing sulfate ions and evaluation of its surface acidic properties. Journal of Materials Science, 2017, 52, 5835-5845.	3.7	15
29	Three-way catalytic performance and change in the valence state of Rh in Y- and Pr-doped Rh/ZrO2 under lean/rich perturbation conditions. Catalysis Communications, 2017, 90, 1-4.	3.3	16
30	CoO<i>_x</i>–FeO<i>_x</i> composite oxide prepared by hydrothermal method as a highly active catalyst for low-temperature CO oxidation. Journal of the Ceramic Society of Japan, 2017, 125, 135-140.	1.1	5
31	Influence of Ce/Zr ratio on CO oxidation activity of ceriaâ€"zirconia supported Cu catalyst. Japanese Journal of Applied Physics, 2016, 55, 01AE05.	1.5	3
32	Preparation, characterization, and activity of SnO2 nanoparticles supported on Al2O3 as a catalyst for the selective reduction of NO with C3H6. Journal of Materials Science, 2016, 51, 10949-10959.	3.7	13
33	Effect of Rare Earth Additives on the Catalytic Performance of Rh/ZrO2 Three-Way Catalyst. Topics in Catalysis, 2016, 59, 1059-1064.	2.8	12
34	Recent progress in catalytic NO decomposition. Comptes Rendus Chimie, 2016, 19, 1254-1265.	0.5	40
35	Influence of particle morphology on catalytic performance of CeO₂/ZrO₂ for soot oxidation. Journal of the Ceramic Society of Japan, 2015, 123, 414-418.	1.1	12
36	Promoting Effect of CeO2 on the Catalytic Activity of Baâ€"Y2O3 for Direct Decomposition of NO. Bulletin of the Chemical Society of Japan, 2015, 88, 117-123.	3.2	5

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37	Development of Diesel Hydrocarbon Oxidation Catalysts Aimed at Reducing Platinum Group Metals Usage. Journal of the Japan Petroleum Institute, 2015, 58, 205-217.	0.6	5
38	Improved three-way catalytic activity of bimetallic Irâ€“Rh catalysts supported on CeO₂â€“ZrO₂. Catalysis Science and Technology, 2015, 5, 1792-1800.	4.1	45
39	Propene oxidation over palladium catalysts supported on zirconium rich ceriaâ€“zirconia. Catalysis Today, 2015, 241, 100-106.	4.4	30
40	Three way catalytic activity of thermally degenerated Pt/Al2O3 and Pt/CeO2â€“ZrO2 modified Al2O3 model catalysts. Catalysis Today, 2015, 242, 329-337.	4.4	61
41	Catalytic performance of supported Ag nano-particles prepared by liquid phase chemical reduction for soot oxidation. Catalysis Today, 2015, 242, 351-356.	4.4	41
42	Microstructure and oxygen evolution of Feâ€“Ce mixed oxides by redox treatment. Applied Surface Science, 2014, 289, 378-383.	6.1	37
43	Direct decomposition of NO on Ba catalysts supported on rare earth oxides. Journal of Molecular Catalysis A, 2014, 383-384, 70-76.	4.8	19
44	Catalytic performance of bimetallic PtPd/Al2O3 for diesel hydrocarbon oxidation and its implementation by acidic additives. Applied Catalysis A: General, 2014, 475, 109-115.	4.3	29
45	Enhancement of OSC property of Zr rich ceriaâ€“zirconia by loading a small amount of platinum. Catalysis Today, 2014, 232, 179-184.	4.4	25
46	Effects of the Extent of Silica Doping and the Mesopore Size of an Alumina Support on Activity as a Diesel Oxidation Catalyst. Industrial & Engineering Chemistry Research, 2014, 53, 7992-7998.	3.7	11
47	Bimetallic IrRh/CeO2â€“ZrO2 as a Highly Active Catalyst for NOâ€“COâ€“C3H6â€“H2â€“O2 Reactions under Stoichiometric Conditions. Chemistry Letters, 2014, 43, 1852-1854.	1.3	0
48	Synthesis and Evaluation of Optical Properties of Iron Oxide-Doped Ceria-Zirconia Materials. Zairyo/Journal of the Society of Materials Science, Japan, 2014, 63, 432-436.	0.2	4
49	Oxygen releaseâ€“absorption properties and structural stability of Ce0.8Fe0.2O2â^'x. Journal of Materials Science, 2013, 48, 5733-5743.	3.7	11
50	Effect of Acidâ€“Base Properties on the Catalytic Activity of Pt/Al2O3 Based Catalysts for Diesel NO Oxidation. Topics in Catalysis, 2013, 56, 205-209.	2.8	12
51	Effect of Pt Dispersion on the Catalytic Activity of Supported Pt Catalysts for Diesel Hydrocarbon Oxidation. Topics in Catalysis, 2013, 56, 249-254.	2.8	12
52	Effect of platinum dispersion on the catalytic activity of Pt/Al2O3 for the oxidation of carbon monoxide and propene. Applied Catalysis B: Environmental, 2013, 142-143, 8-14.	20.2	82
53	Total oxidation of toluene and oxygen storage capacity of zirconia-sol modified ceria zirconia. Catalysis Communications, 2013, 30, 32-35.	3.3	19
54	Effect of Y-stabilized ZrO2 as support on catalytic performance of Pt for n-butane oxidation. Catalysis Today, 2013, 201, 25-31.	4.4	11

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55	CO oxidation over Pt/Ceâ€“Zr oxide catalysts with low content of platinum and cerium components. Catalysis Today, 2013, 201, 79-84.	4.4	51
56	Modification of CeO2 on the redox property of Fe2O3. Materials Letters, 2013, 93, 129-132.	2.6	45
57	Dispersion of Oleate-modified CeO2 Nanocrystals in Non-Polar Solvent and Aqueous Solution. ECS Transactions, 2013, 50, 39-49.	0.5	8
58	Promoting Effect of CeO2 on the Catalytic Activity of Rhodium Supported on Y-Stabilized ZrO2 for NOâ€“COâ€“C3H6â€“O2 Reactions. Chemistry Letters, 2013, 42, 60-62.	1.3	9
59	Oxygen Release Property of Ceria/Alumina Composite Powder in Reducing Atmosphere at Low Temperatures. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2013, 60, 55-59.	0.2	3
60	Synthesis, Colour and Optical Evaluation of Ceramic Powders in the System of Ceria-Zirconia-Terbia. Zairyo/Journal of the Society of Materials Science, Japan, 2013, 62, 377-381.	0.2	2
61	Phase analysis and optical evaluation of ceria-zirconia-terbia prepared by coprecipitation method. Journal of Physics: Conference Series, 2012, 379, 012018.	0.4	1
62	Dispersion state and oxygen storage capacity properties of ceria and zirconia nanoparticles supported on alumina by the impregnation process. Journal of Physics: Conference Series, 2012, 379, 012014.	0.4	0
63	Synthesis and Optical Characteristics Evaluation for Ceria-zirconia Powders by Coprecipitation Method. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 75-79.	0.2	2
64	Effect of Lanthanum Addition on Thermal Stability and Benzene Removal Activity of Iron Oxide/Alumina Composite Powders. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 80-84.	0.2	1
65	Enhancement of Reducibility and Oxygen Storage Capacity (OSC) of Ceâ€“Fe Mixed Oxides by Repetitive Redox Treatment. Chemistry Letters, 2012, 41, 837-838.	1.3	2
66	The Synthesis of Iron Oxides with Different Phases or Exposure Crystal Planes and their Catalytic Property for Propene Oxidation. Advanced Materials Research, 2012, 463-464, 189-193.	0.3	1
67	Development of Iridium Catalysts for Selective Reduction of NO with CO. Journal of the Japan Petroleum Institute, 2012, 55, 87-98.	0.6	1
68	Effect of addition on Y2O3 in ZrO2 support on n-butane Pt catalyzed oxidation. Catalysis Communications, 2012, 19, 74-79.	3.3	10
69	A review of selective catalytic reduction of nitrogen oxides with hydrogen and carbon monoxide. Applied Catalysis A: General, 2012, 421-422, 1-13.	4.3	138
70	Characterization and Reactivity Analysis of Hydrogen Adspecies on Platinum Nano-particles Supported on Alumina. Journal of the Japan Petroleum Institute, 2012, 55, 191-196.	0.6	2
71	Effect of heat treatment on oxygen storage capacity and oxygen release kinetics of alumina-supported ceria. IOP Conference Series: Materials Science and Engineering, 2011, 18, 182010.	0.6	2
72	The Effect of Heat Treatment on Interaction, Microstructure and Oxygen Storage Capacity of Pt Added CeO2 on Alumina. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2011, 58, 511-515.	0.2	2

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73	Direct Decomposition of NO over Baâ€“Y2O3 Catalyst Prepared by Coprecipitation. Bulletin of the Chemical Society of Japan, 2011, 84, 1383-1389.	3.2	8
74	In Situ FT-IR Study of Diesel Hydrocarbon Oxidation Over Pt/Al2O3 Catalyst. Catalysis Letters, 2011, 141, 1262-1267.	2.6	13
75	Platinum-Based Catalyst for Diesel Hydrocarbon Oxidation. Chinese Journal of Catalysis, 2011, 32, 777-781.	14.0	18
76	Selective catalytic reduction of NOx with NH3 over different copper exchanged zeolites in the presence of decane. Catalysis Today, 2011, 164, 495-499.	4.4	94
77	Catalytic performance of Ir/CeO2 for NOâ€“C3H6â€“O2 reaction in a stoichiometric condition. Applied Catalysis A: General, 2011, 394, 239-244.	4.3	14
78	Promotional role of H2O in the selective catalytic reduction of NO with CO over Ir/WO3/SiO2 catalyst. Journal of Catalysis, 2010, 273, 39-49.	6.2	29
79	Influence of co-cations on the formation of Cu+ species in Cu/ZSM-5 and its effect on selective catalytic reduction of NOx with NH3. Applied Catalysis B: Environmental, 2010, 101, 61-67.	20.2	111
80	Improved activity of Rh/CeO2â€“ZrO2 three-way catalyst by high-temperature ageing. Catalysis Communications, 2010, 11, 317-321.	3.3	32
81	Effect of Organics on Activity of Cu/ZSM-5 Catalyst for Selective Reduction of NO with NH₃. Journal of the Japan Petroleum Institute, 2010, 53, 355-358.	0.6	0
82	Selective Catalytic Reduction of NO with Fatty Acid Methyl Ester as Reductant over Ag/Al₂O₃ Catalyst. Journal of the Japan Petroleum Institute, 2009, 52, 60-64.	0.6	1
83	Practical Evaluation of the Catalytic Performance of Ir/SiO2-based Catalysts for Selective Reduction of NO with CO. Topics in Catalysis, 2009, 52, 1803-1807.	2.8	9
84	High Resistance of Cuâ€“Ferrierite to Coke Formation During NH3-SCR in the Presence of n-Decane. Topics in Catalysis, 2009, 52, 1766-1770.	2.8	14
85	Catalytic Performance of Aged Rh/CeO2â€“ZrO2 for NOâ€“C3H6â€“O2 Reaction Under a Stoichiometric Condition. Topics in Catalysis, 2009, 52, 1868-1872.	2.8	26
86	NOx abatement for lean-burn engines under leanâ€“rich atmosphere over mixed NSR-SCR catalysts: Influences of the addition of a SCR catalyst and of the operational conditions. Applied Catalysis A: General, 2009, 365, 187-193.	4.3	54
87	A new concept of combined NH3-CO-SCR system for efficient NO reduction in excess oxygen. Applied Catalysis B: Environmental, 2009, 88, 180-184.	20.2	11
88	SCR of NO with NH3 over Cu/NaZSM-5 and Cu/HZSM-5 in the presence of decane. Catalysis Communications, 2009, 10, 1859-1863.	3.3	38
89	Activity Enhancement of WO3-Promoted Ir/SiO2 Catalysts by High-Temperature Calcination for the Selective Reduction of NO with CO. Bulletin of the Chemical Society of Japan, 2009, 82, 1023-1029.	3.2	9
90	Role of zeolite structure on NO reduction with diesel fuel over Pt supported zeolite catalysts. Microporous and Mesoporous Materials, 2008, 111, 488-492.	4.4	14

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91	Kinetics and mechanism of NO reduction with CO on Ir surfaces. Journal of Catalysis, 2008, 253, 139-147.	6.2	29
92	Catalytic performance of rhodium supported on ceriaâ€“zirconia mixed oxides for reduction of NO by propene. Journal of Catalysis, 2008, 259, 223-231.	6.2	71
93	Cooperative effect of Ptâ€“Rh/Ba/Al and CuZSM-5 catalysts for NO reduction during periodic lean-rich atmosphere. Catalysis Communications, 2008, 10, 137-141.	3.3	41
94	Promoting Effect of Coexisting H2O on the Activity of Ir/WO3/SiO2 Catalyst for the Selective Reduction of NO with CO. Chemistry Letters, 2008, 37, 830-831.	1.3	12
95	Performance of Ba-doped Ir/WO₃-SiO₂ Catalyst for Selective Catalytic Reduction of NO_{<i>x</i>} with CO in Diesel Exhaust. Journal of the Japan Petroleum Institute, 2008, 51, 356-360.	0.6	3
96	Reaction properties of NO and CO over an Ir(211) surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 1143-1146.	2.1	10
97	Catalytic Performance of Monolithic Ir/SiO₂ Based Catalysts for Selective Reduction of NO with CO. Journal of the Japan Petroleum Institute, 2007, 50, 94-101.	0.6	4
98	Promotive effect of Nb2O5 on the catalytic activity of Ir/SiO2 for NO reduction with CO under oxygen-rich conditions. Catalysis Communications, 2007, 8, 885-888.	3.3	24
99	Adsorption and reactivity of SO2 on Ir(111) and Rh(111). Surface Science, 2007, 601, 1615-1622.	1.9	19
100	Selective reduction of NO2 with acetaldehyde over Co/Al2O3 in lean conditions. Journal of Molecular Catalysis A, 2007, 261, 6-11.	4.8	10
101	Influence of Al2O3 support on the activity of Ag/Al2O3 catalysts for SCR of NO with decane. Catalysis Letters, 2007, 114, 96-102.	2.6	39
102	Enhancing Effect of H2 on the Selective Reduction of NO with CO over Ba-doped Ir/WO3/SiO2 Catalyst. Catalysis Letters, 2007, 118, 159-164.	2.6	7
103	Enhanced activity of Ba-doped Ir/SiO2 catalyst for NO reduction with CO in the presence of O2 and SO2. Catalysis Communications, 2006, 7, 423-426.	3.3	32
104	Excellent Promoting Effect of Ba Addition on the Catalytic Activity of Ir/WO3â€“SiO2for the Selective Reduction of NO with CO. Chemistry Letters, 2006, 35, 420-421.	1.3	17
105	Direct decomposition of nitrogen monoxide over a K-deposited Co(0001) surface: Comparison to K-doped cobalt oxide catalysts. Journal of Electron Spectroscopy and Related Phenomena, 2006, 150, 150-154.	1.7	10
106	Effect of iridium dispersion on the catalytic activity of Ir/SiO2 for the selective reduction of NO with CO in the presence of O2 and SO2. Journal of Molecular Catalysis A, 2006, 256, 143-148.	4.8	41
107	Promotion of surface SOx on the selective catalytic reduction of NO by hydrocarbons over Ag/Al2O3. Applied Surface Science, 2006, 252, 6390-6393.	6.1	5
108	Role of tungsten in promoting selective reduction of NO with CO over Ir/WO3â€“SiO2 catalysts. Catalysis Letters, 2006, 112, 133-138.	2.6	23

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109	Selective Catalytic Reduction of Nitrogen Monoxide with H₂ or CO as Reductant in Presence of SO₂. Journal of the Japan Petroleum Institute, 2006, 49, 219-230.	0.6	6
110	Direct Decomposition of NO over Supported-alkaline Earth Metal Oxide Catalysts. Journal of the Japan Petroleum Institute, 2005, 48, 53-59.	0.6	16
111	Promotional effect of SO2 on the activity of Ir/SiO2 for NO reduction with CO under oxygen-rich conditions. Journal of Catalysis, 2005, 229, 197-205.	6.2	83
112	Reaction mechanism of NO decomposition over alkali metal-doped cobalt oxide catalysts. Applied Catalysis B: Environmental, 2005, 55, 169-175.	20.2	59
113	Zn-promoted Rh/SiO2 catalyst for the selective reduction of NO with H2 in the presence of O2 and SO2. Applied Catalysis B: Environmental, 2005, 60, 41-47.	20.2	21
114	Catalytic Active Site for NO Decomposition Elucidated by Surface Science and Real Catalyst. Catalysis Surveys From Asia, 2005, 9, 207-215.	2.6	22
115	Adsorption and Reactions of NO on Clean and CO-Precovered Ir(111). Journal of Physical Chemistry B, 2005, 109, 17603-17607.	2.6	48
116	Direct Decomposition of NO Over Alkaline Earth Metal Oxide Catalysts Supported on Cobalt Oxide. Catalysis Letters, 2004, 97, 145-150.	2.6	31
117	N2O Removal by Catalytic Decomposition and Reduction with CH4 over Fe/Al2O3.. ChemInform, 2004, 35, no.	0.0	0
118	FT-IR Spectroscopic Study of the Reaction Mechanism for Selective Reduction of NO over Sol-gel Prepared In₂O₃-Ga₂O₃-Al₂O₃ Catalysts. Journal of the Japan Petroleum Institute, 2004, 47, 197-204.	0.6	0
119	Positive effect of coexisting SO2 on the activity of supported iridium catalysts for NO reduction in the presence of oxygen. Applied Catalysis B: Environmental, 2003, 41, 157-169.	20.2	52
120	Mechanistic study of the effect of coexisting H2O on the selective reduction of NO with propene over solâ€“gel prepared In2O3-Al2O3 catalyst. Applied Catalysis B: Environmental, 2003, 42, 57-68.	20.2	41
121	Remarkable promoting effect of rhodium on the catalytic performance of Ag/Al2O3 for the selective reduction of NO with decane. Applied Catalysis B: Environmental, 2003, 44, 67-78.	20.2	94
122	Alkali metal-doped cobalt oxide catalysts for NO decomposition. Applied Catalysis B: Environmental, 2003, 46, 473-482.	20.2	168
123	Study by in situ FTIR spectroscopy of the SCR of NOx by ethanol on Ag/Al2O3â€"Evidence of the role of isocyanate species. Journal of Catalysis, 2003, , .	6.2	43
124	Effect of surface structure of supported palladium catalysts on the activity for direct decomposition of nitrogen monoxide. Journal of Catalysis, 2003, 218, 405-410.	6.2	33
125	Uniform distribution of copper and cobalt during the synthesis of SiMFI-5 from kanemite through solid-state transformationElectronic supplementary information (ESI) available: XRD patterns for CoSiMFI and CuSiMFI samples synthesised by SST at various stages in the process and containing different metal loadings. See http://www.rsc.org/suppdata/jm/b2/b207539n/. Journal of Materials Chemistry, 2003, 13, 602-607.	6.7	11
126	Rh-post-doped Ag/Al2O3 as a highly active catalyst for the selective reduction of NO with decane. Catalysis Communications, 2003, 4, 315-319.	3.3	19

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127	Ir/SiO2 as a highly active catalyst for the selective reduction of NO with CO in the presence of O2 and SO2. Chemical Communications, 2003, , 2814.	4.1	38
128	Rh/SiO₂ Catalysts for Selective Reduction of NO with H₂ in the Presence of SO₂ and O₂. Journal of the Japan Petroleum Institute, 2003, 46, 264-271.	0.6	4
129	N2O Removal by Catalytic Decomposition and Reduction with CH4over Fe/Al2O3. Bulletin of the Chemical Society of Japan, 2003, 76, 2329-2333.	3.2	7
130	Surface reactivity of prereduced rare earth oxides with nitric oxide: New approach for NO decomposition. Physical Chemistry Chemical Physics, 2002, 4, 3146-3151.	2.8	40
131	Comprehensive study combining surface science and real catalyst for NO direct decomposition. Chemical Communications, 2002, , 2816-2817.	4.1	22
132	In Situ Fourier Transform Infrared Study of the Selective Reduction of NO with Propene over Ga2O3â€"Al2O3. Journal of Catalysis, 2002, 206, 114-124.	6.2	66
133	Additive Effect of Rh on the Catalytic Activity of Ag/Al2O3 for the Selective Reduction of NO.. Journal of the Japan Petroleum Institute, 2002, 45, 123-126.	0.6	2
134	Catalytic Activities of Single Component Metal Oxides for Selective Reduction of NO with Ethene.. Journal of the Japan Petroleum Institute, 2002, 45, 288-294.	0.6	3
135	Effect of Mechanical Mixture of Alumina and Silver Supported Catalysts on the Activity for the Selective Reduction of NO.. Journal of the Japan Petroleum Institute, 2002, 45, 368-374.	0.6	0
136	Surface characterization of alumina-supported catalysts prepared by solâ€"gel method. Part I. Acidâ€"base properties. Physical Chemistry Chemical Physics, 2001, 3, 1366-1370.	2.8	33
137	Remarkable promoting effect of coexisting SO2 on the catalytic activity of Ir/SiO2 for NO reduction in the presence of oxygen. Catalysis Communications, 2001, 2, 155-158.	3.3	39
138	Catalyst activity of aluminaâ€"galia aerogels for selective reduction of NOx. Journal of Non-Crystalline Solids, 2001, 285, 333-337.	3.1	6
139	Surface characterization of alumina-supported catalysts prepared by solâ€"gel method. Part II. Surface reactivity with CO. Physical Chemistry Chemical Physics, 2001, 3, 1371-1375.	2.8	13
140	CeO2Ã¢â,¬â€œZrO2 binary oxides for NO x removal by sorption. Physical Chemistry Chemical Physics, 2001, 3, 4696-4700.	2.8	44
141	Solâ€"Gel Prepared Snâ€"Al2O3Catalysts for the Selective Reduction of NO with Propene. Bulletin of the Chemical Society of Japan, 2001, 74, 2075-2081.	3.2	12
142	Reaction intermediates in the selective reduction of NO with propene over Ga2O3-Al2O3 and In2O3-Al2O3 catalysts. Journal of Molecular Catalysis A, 2001, 175, 179-188.	4.8	37
143	Structure of Ga2O3-Al2O3 prepared by solâ€"gel method and its catalytic performance for NO reduction by propene in the presence of oxygen. Applied Catalysis B: Environmental, 2001, 31, 81-92.	20.2	55
144	Effect of SO2 on the catalytic activity of Ga2O3â€"Al2O3 for the selective reduction of NO with propene in the presence of oxygen. Applied Catalysis B: Environmental, 2001, 31, 251-261.	20.2	43

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145	Evidence for the Formation of Hydrogen by Surface Reaction between Hydroxyl Groups and CO Molecule over Ga_2O_3â€"Al_2O_3. Chemistry Letters, 2000, 29, 974-975.	1.3	2
146	Selective Reduction of NO with Methane over Alumina-Supported Palladium Catalysts.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 2000, 2000, 467-474.	0.1	6
147	Selective Reduction of NO with Propene over Ga_2O_3â€"Al_2O_3: Effect of Solâ€"Gel Method on the Catalytic Performance. Journal of Catalysis, 2000, 192, 137-148.	6.2	79
148	Enhanced activity of metal oxide-doped Ga_2O_3â€"Al_2O_3 for NO reduction by propene. Catalysis Today, 1999, 54, 391-400.	4.4	23
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