Daniel Duprez

List of Publications by Year
in descending order

281 papers	14,425 citations	16411 64 h-index	26548 107 g-index
304 all docs	304 docs citations	304 times ranked	10792 citing authors

#	Article	IF	Citations
1	Highly active and stable Ni dispersed on mesoporous CeO2-Al2O3 catalysts for production of syngas by dry reforming of methane. Applied Catalysis B: Environmental, 2021, 281, 119459.	10.8	123
2	Hydrogen production by catalytic processes. , 2020, , 57-89.		1
3	Unexpected redox behaviour of large surface alumina containing highly dispersed ceria nanoclusters. Nanoscale, 2019, 11, 1273-1285.	2.8	13
4	Influence of Na, P and (Naâ€‰+â€‰P) poisoning on a model copper-ferrierite NH3-SCR catalyst. Applied Catalysis B: Environmental, 2019, 250, 355-368.	10.8	38
5	Biofuel Impact on Diesel Engine After-Treatment: Deactivation Mechanisms and Soot Reactivity. Emission Control Science and Technology, 2018, 4, 15-32.	0.8	16
6	Remarkable enhancement of the selective catalytic reduction of NO at low temperature by collaborative effect of ethanol and NH3 over silver supported catalyst. Applied Catalysis B: Environmental, 2018, 220, 19-30.	10.8	38
7	Transition metal oxides for combustion and depollution processes. , 2018, , 287-353.		6
8	Influence of the Sodium Impregnation Solvent on the Deactivation of Cu/FER-Exchanged Zeolites Dedicated to the SCR of NOx with NH3. Catalysts, 2018, 8, 3.	1.6	10
9	A simple non-aqueous route to nano-perovskite mixed oxides with improved catalytic properties. Catalysis Today, 2017, 287, 30-36.	2.2	11
10	The Pivotal Role of Catalysis in France: Selected Examples of Recent Advances and Future Prospects.. ChemCatChem, 2017, 9, 2029-2064.	1.8	2
11	Study of the remarkable reactivity of HNCO/urea with NO₂ in the NO_x SCR by urea process over an oxide-based catalyst. Catalysis Science and Technology, 2017, 7, 5457-5465.	2.1	4
12	Investigation of Methane Oxidation Reactions Over a Dualâ€Bed Catalyst System using ¹⁸O Labelled DRIFTS coupling. ChemSusChem, 2017, 10, 210-219.	3.6	13
13	Study of Lanthanum Manganate and Yttriumâ€Stabilized Zirconiaâ€Supported Palladium Dualâ€Bed Catalyst System for the Total Oxidation of Methane: A Study by ¹⁸O₂/¹⁶O₂ Isotopic Exchange. ChemCatChem, 2016, 8, 1921-1928.	1.8	9
14	Direct Comparison of Urea-SCR and NH3-SCR Activities Over Acidic Oxide and Exchanged Zeolite Prototype Powdered Catalysts. Topics in Catalysis, 2016, 59, 938-944.	1.3	13
15	NOx Selective Catalytic Reduction (NO_x-SCR) by Urea: Evidence of the Reactivity of HNCO, Including a Specific Reaction Pathway for NOx Reduction Involving NO + NO₂. ACS Catalysis, 2016, 6, 4064-4067.	5.5	54
16	Kinetics of hydrogen adsorption and mobility on Ru nanoparticles supported on alumina: Effects on the catalytic mechanism of ammonia synthesis. Journal of Catalysis, 2016, 344, 16-28.	3.1	29
17	Hydrogen production from hydrocarbons over Rh supported on Ce-based oxides for automotive applications. Applied Catalysis B: Environmental, 2016, 197, 138-145.	10.8	10
18	Water splitting as a tool for obtaining insight into metalâ€“support interactions in catalysis. Comptes Rendus Chimie, 2016, 19, 1326-1336.	0.2	13

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19	H2/D2 isotopic exchange: A tool to characterize complex hydrogen interaction with carbon-supported ruthenium catalysts. Catalysis Today, 2016, 259, 9-18.	2.2	13
20	Use of a Âµ-Scale Synthetic Gas Bench for Direct Comparison of Urea-SCR and NH3-SCR Reactions over an Oxide Based Powdered Catalyst. Catalysts, 2015, 5, 1535-1553.	1.6	10
21	Impact of cerium-based support oxides in catalytic wet air oxidation: Conflicting role of redox and acidâ€“base properties. Catalysis Today, 2015, 253, 89-98.	2.2	48
22	Disclosing the synergistic mechanism in the catalytic activity of different-sized Ru nanoparticles for ammonia synthesis at mild reaction conditions. Catalysis Today, 2015, 251, 88-95.	2.2	18
23	Composition dependent performance of alumina-based oxide supported WO3 catalysts for the NH3-SCR reaction and the NSR+SCR coupled process. Catalysis Today, 2015, 257, 41-50.	2.2	17
24	Ceria-supported Auâ€“CuO and Auâ€“Co 3 O 4 catalysts for CO oxidation: An 18 O/ 16 O isotopic exchange study. Applied Catalysis B: Environmental, 2015, 168-169, 87-97.	10.8	25
25	Hydrocarbon fuel synthesis from sorbitol over bifunctional catalysts: Association of tungstated titania with platinum, palladium or iridium. Catalysis Today, 2015, 242, 91-100.	2.2	22
26	From the powder to the honeycomb. A comparative study of the NSR efficiency and selectivity over Ptâ€“CeZr based active phase. Catalysis Today, 2015, 241, 125-132.	2.2	7
27	Catalytic oxidation of heavy hydrocarbons over Pt/Al2O3. Oxidation of C10+ solid hydrocarbons representative of soluble organic fraction of Diesel soots. Applied Catalysis A: General, 2015, 504, 37-43.	2.2	11
28	Oxidation of CO and Hydrocarbons in Exhaust Gas Treatments. , 2014, , 1-24.		0
29	Remarkable Enhancement of O₂ Activation on Yttriumâ€Stabilized Zirconia Surface in a Dual Catalyst Bed. Angewandte Chemie - International Edition, 2014, 53, 11342-11345.	7.2	25
30	A Remarkable Catalyst Combination to Widen the Operating Temperature Window of the Selective Catalytic Reduction of NO by NH₃. ChemCatChem, 2014, 6, 2263-2269.	1.8	11
31	Effect of reducing agent (C3H6, CO, H2) on the NOx conversion and selectivity during representative lean/rich cycles over monometallic platinum-based NSR catalysts. Influence of the support formulation. Applied Catalysis B: Environmental, 2014, 146, 12-23.	10.8	29
32	New bifunctional catalytic systems for sorbitol transformation into biofuels. Applied Catalysis B: Environmental, 2014, 148-149, 499-508.	10.8	42
33	Wet Air Oxidation of phenol over Pt and Ru catalysts supported on cerium-based oxides: Resistance to fouling and kinetic modelling. Applied Catalysis B: Environmental, 2014, 150-151, 402-410.	10.8	53
34	Shape-controlled nanostructured magnetite-type materials as highly efficient Fenton catalysts. Applied Catalysis B: Environmental, 2014, 144, 739-749.	10.8	95
35	Clear microstructureâ€“performance relationships in Mn-containing perovskite and hexaaluminate compounds prepared by activated reactive synthesis. Physical Chemistry Chemical Physics, 2014, 16, 4050.	1.3	32
36	Perovskites as Substitutes of Noble Metals for Heterogeneous Catalysis: Dream or Reality. Chemical Reviews, 2014, 114, 10292-10368.	23.0	685

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37	New insights into the mechanism of sorbitol transformation over an original bifunctional catalytic system. Journal of Catalysis, 2014, 320, 16-25.	3.1	41
38	Efficient and Robust Reforming Catalyst in Severe Reaction Conditions by Nanoprecursor Reduction in Confined Space. ChemSusChem, 2014, 7, 631-637.	3.6	27
39	Bimetallic catalysts for hydrogenation in liquid phase. Comptes Rendus Chimie, 2014, 17, 790-800.	0.2	12
40	NSRâ€“SCR Combined Systems: Production and Use of Ammonia. Fundamental and Applied Catalysis, 2014, , 587-622.	0.9	1
41	A Study of ¹⁵N/¹⁴N Isotopic Exchange over Cobalt Molybdenum Nitrides. ACS Catalysis, 2013, 3, 1719-1725.	5.5	83
42	TRANSFORMATION OF OXYGENATED COMPOUNDS DERIVED FROM BIOMASS INTO VALUABLE CHEMICALS USING CERIA-BASED SOLID CATALYSTS. Catalytic Science Series, 2013, , 783-811.	0.6	1
43	A Study of the NOx Selective Catalytic Reduction with Ethanol and Its By-products. Topics in Catalysis, 2013, 56, 94-103.	1.3	15
44	Effect of Y-stabilized ZrO2 as support on catalytic performance of Pt for n-butane oxidation. Catalysis Today, 2013, 201, 25-31.	2.2	11
45	Direct evidence of the role of dispersed ceria on the activation of oxygen in NaX zeolite by coupling the 17O/16O isotopic exchange and 17O solid-state NMR. Journal of Catalysis, 2013, 300, 136-140.	3.1	7
46	Composition-Dependent Performance of Ce_xZr_{1â€“x}O₂ Mixed-Oxide-Supported WO₃ Catalysts for the NO_x Storage Reductionâ€“Selective Catalytic Reduction Coupled Process. ACS Catalysis, 2013, 3, 1120-1132.	5.5	74
47	Design of nanocrystalline mixed oxides with improved oxygen mobility: a simple non-aqueous route to nano-LaFeO3 and the consequences on the catalytic oxidation performances. Chemical Communications, 2013, 49, 4923.	2.2	25
48	Role of Mn+ cations in the redox and oxygen transfer properties of BaMxAl12â^'xO19â^'Î´ (M = Mn, Fe, Co) nanomaterials for high temperature methane oxidation. Catalysis Science and Technology, 2013, 3, 2259.	2.1	24
49	Composition-Dependent Morphostructural Properties of Niâ€“Cu Oxide Nanoparticles Confined within the Channels of Ordered Mesoporous SBA-15 Silica. ACS Applied Materials & Interfaces, 2013, 5, 3010-3025.	4.0	140
50	Ionic Liquidâ€Mediated Î±â€Fe₂O₃ Shapeâ€Controlled Nanocrystalâ€Supported Noble Metals: Highly Active Materials for CO Oxidation. ChemCatChem, 2013, 5, 1978-1988.	1.8	13
51	Modeling of Diffusion Process in the Isotopic Oxygen Exchange Experiments of CexZr(1-x)O2 Catalysts. Medziagotyra, 2013, 19, .	0.1	1
52	Transformation of Sorbitol to Biofuels by Heterogeneous Catalysis: Chemical and Industrial Considerations. Oil and Gas Science and Technology, 2013, 68, 841-860.	1.4	41
53	Citral hydrogenation on high surface area mesoporous TiO2â€“SiO2 supported Pt nanocomposites: Effect of titanium loading and reduction temperature on the catalytic performances. Applied Catalysis A: General, 2012, 445-446, 14-25.	2.2	21
54	An overview of the production and use of ammonia in NSR+SCR coupled system for NOx reduction from lean exhaust gas. Catalysis Today, 2012, 197, 144-154.	2.2	62

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55	Activity of perovskite-type mixed oxides for the low-temperature CO oxidation: Evidence of oxygen species participation from the solid. Journal of Catalysis, 2012, 295, 45-58.	3.1	72
56	New Aspects on the Mechanism of C₃H₆ Selective Catalytic Reduction of NO in the Presence of O₂ over LaFe_{1â€“x}(Cu,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (Pd)_x 46, 11280-11288.	4.6	64
57	Sorbitol transformation in aqueous medium: Influence of metal/acid balance on reaction selectivity. Catalysis Today, 2012, 189, 117-122.	2.2	17
58	Understanding the role of C3H6, CO and H2 on efficiency and selectivity of NOx storage reduction (NSR) process. Catalysis Today, 2012, 189, 70-76.	2.2	19
59	Preferential CO oxidation over nanosized gold catalysts supported on ceria and amorphous ceriaâ€“alumina. Applied Catalysis B: Environmental, 2012, 128, 10-20.	10.8	49
60	Influence of lanthanum stoichiometry in La1â^'xFeO3â^'Î´ perovskites on their structure and catalytic performance in CH4 total oxidation. Applied Catalysis B: Environmental, 2012, 126, 134-143.	10.8	91
61	High-surface-area zinc aluminate supported silver catalysts for low-temperature SCR of NO with ethanol. Applied Catalysis B: Environmental, 2012, 126, 275-289.	10.8	45
62	Waste-free scale up synthesis of nanocrystalline hexaaluminate: properties in oxygen transfer and oxidation reactions. CrystEngComm, 2012, 14, 7733.	1.3	13
63	Effect of addition on Y2O3 in ZrO2 support on n-butane Pt catalyzed oxidation. Catalysis Communications, 2012, 19, 74-79.	1.6	10
64	Cooperative effect between copper and gold on ceria for CO-PROX reaction. Catalysis Today, 2012, 180, 34-41.	2.2	67
65	Synergetic effect of plasma/catalysis hybrid system for CH4 removal. Applied Catalysis B: Environmental, 2012, 113-114, 31-36.	10.8	26
66	Modulating the copper oxide morphology and accessibility by using micro-/mesoporous SBA-15 structures as host support: Effect on the activity for the CWPO of phenol reaction. Applied Catalysis B: Environmental, 2012, 121-122, 123-134.	10.8	98
67	Infrared investigation on surface properties of alumina obtained using recent templating routes. Microporous and Mesoporous Materials, 2012, 158, 88-98.	2.2	22
68	Design of Nanocatalysts for Green Hydrogen Production from Bioethanol. ChemSusChem, 2012, 5, 76-84.	3.6	89
69	Deactivation and regeneration of wet air oxidation catalysts. Catalysis Science and Technology, 2011, 1, 342.	2.1	31
70	Study of the main reactions involved in reforming of exhaust gas recirculation (REGR) in gasoline engines. RSC Advances, 2011, 1, 109.	1.7	10
71	Solvent free synthesis of nanocrystalline hexaaluminate-type mixed oxides with high specific surface areas for CO oxidation reaction. Catalysis Science and Technology, 2011, 1, 1124.	2.1	19
72	In situ Raman and in situ XRD analysis of PdO reduction and PdÂ° oxidation supported on Î³-Al2O3 catalyst under different atmospheres. Physical Chemistry Chemical Physics, 2011, 13, 4607.	1.3	190

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73	A general route to synthesize supported isolated oxide and mixed-oxide nanoclusters at sizes below 5 nm. Chemical Communications, 2011, 47, 1509-1511.	2.2	14
74	Study of the stability of Pt/SiO2â€“Al2O3 catalysts in aqueous medium: Application for sorbitol transformation. Catalysis Communications, 2011, 15, 18-22.	1.6	27
75	Synthesis of highly thermostable copper-nickel nanoparticles confined in the channels of ordered mesoporous SBA-15 silica. Journal of Materials Chemistry, 2011, 21, 12529.	6.7	82
76	Correlations between oxygen activation and methane oxidation over Pd/Î³-Al2O3 catalysts prepared by nitrite method. Applied Catalysis B: Environmental, 2011, 108-109, 22-31.	10.8	11
77	A study of the ammonia selectivity on Pt/BaO/Al2O3 model catalyst during the NOx storage and reduction process. Catalysis Today, 2011, 176, 424-428.	2.2	15
78	Catalytic Oxidation of Carbon Monoxide over Transition Metal Oxides. ChemCatChem, 2011, 3, 24-65.	1.8	821
79	Role of the alumina surface properties on the ammonia production during the NOx SCR with ethanol over Ag/Al2O3 catalysts. Catalysis Today, 2011, 164, 474-479.	2.2	12
80	Thermodynamic and experimental studies of catalytic reforming of exhaust gas recirculation in gasoline engines. Applied Catalysis B: Environmental, 2011, 102, 44-53.	10.8	38
81	Effect of higher alcohols on the performances of a 1%Rh/MgAl2O4/Al2O3 catalyst for hydrogen production by crude bioethanol steam reforming. International Journal of Hydrogen Energy, 2011, 36, 311-318.	3.8	48
82	NOx removal efficiency and ammonia selectivity during the NOx storage-reduction process over Pt/BaO(Fe, Mn, Ce)/Al2O3 model catalysts. Part I: Influence of Fe and Mn addition. Applied Catalysis B: Environmental, 2011, 102, 353-361.	10.8	36
83	NOx removal efficiency and ammonia selectivity during the NOx storage-reduction process over Pt/BaO(Fe, Mn, Ce)/Al2O3 model catalysts. Part II: Influence of Ce and Mnâ€“Ce addition. Applied Catalysis B: Environmental, 2011, 102, 362-371.	10.8	36
84	Isotopic Oxygen Exchange over Pd/Al₂O₃ Catalyst: Study on C¹⁸O₂ and ¹⁸O₂ Exchange. ChemCatChem, 2010, 2, 527-533.	1.8	20
85	Synthesis and characterization of high surface area TiO2/SiO2 mesostructured nanocomposite. Solid State Sciences, 2010, 12, 1002-1012.	1.5	23
86	Ceriaâ€Based Solid Catalysts for Organic Chemistry. ChemSusChem, 2010, 3, 654-678.	3.6	338
87	Preparation and characterization of bimetallic Rh-Ni/Y2O3-Al2O3 for hydrogen production by raw bioethanol steam reforming: influence of the addition of nickel on the catalyst performances and stability. Applied Catalysis B: Environmental, 2010, 97, 72-81.	10.8	70
88	Kinetic study of olefin hydrogenation on hydrotreating catalysts. Journal of Molecular Catalysis A, 2010, 320, 34-39.	4.8	27
89	Hydrogen production from raw bioethanol steam reforming: Optimization of catalyst composition with improved stability against various impurities. International Journal of Hydrogen Energy, 2010, 35, 5015-5020.	3.8	64
90	Catalytic oxidation of heavy hydrocarbons over Pt/Al2O3. Influence of the structure of the molecule on its reactivity. Applied Catalysis B: Environmental, 2010, 95, 217-227.	10.8	102

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91	Role of Pd loading and dispersion on redox behaviour and CH4 combustion activity of Al2O3 supported catalysts. Catalysis Today, 2010, 155, 18-26.	2.2	64
92	Deactivation and reactivation of noble metal catalysts tested in the Catalytic Wet Air Oxidation of phenol. Catalysis Today, 2010, 151, 143-147.	2.2	45
93	Simple approach to prepare mesoporous silica supported mixed-oxide nanoparticles by in situ autocombustion procedure. Catalysis Today, 2010, 157, 131-136.	2.2	9
94	Nature du dÃ©pÃ´t formÃ© au cours de lâ€™oxydation en voie humide catalysÃ©e du phÃ©nol. Comptes Rendus Chimie, 2010, 13, 508-514.	0.2	7
95	Ethanol Steam Reforming over Rh(1%)MgAl2O4/Al2O3: A Kinetic Study. Industrial & Engineering Chemistry Research, 2010, 49, 12383-12389.	1.8	51
96	Control of titania nanodomain size as a route to modulate SMSI effect in Pt/TiO2 catalysts. Catalysis Communications, 2010, 12, 86-91.	1.6	19
97	Surface properties and thermal stability of SiO2-crystalline TiO2 nano-composites. Journal of Materials Chemistry, 2010, 20, 9205.	6.7	26
98	Influence of Mn and Fe Addition on the NO x Storageâ€“Reduction Properties and SO2 Poisoning of a Pt/Ba/Al2O3 Model Catalyst. Topics in Catalysis, 2009, 52, 1771-1775.	1.3	11
99	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.	2.2	54
100	NOx storage and reduction properties of Pt/CexZr1â^'xO2 mixed oxides: Sulfur resistance and regeneration, and ammonia formation. Applied Catalysis B: Environmental, 2009, 93, 12-21.	10.8	51
101	An Efficient Route to Highly Organized, Tunable Macroporousâ^'Mesoporous Alumina. Journal of the American Chemical Society, 2009, 131, 12896-12897.	6.6	121
102	Preferential Oxidation of Carbon Monoxide in the Presence of Hydrogen (PROX) over Noble Metals and Transition Metal Oxides: Advantages and Drawbacks. Topics in Catalysis, 2008, 51, 76-88.	1.3	230
103	Study of hydrogen surface mobility and hydrogenation reactions over alumina-supported palladium catalysts. Applied Catalysis A: General, 2008, 346, 36-43.	2.2	37
104	Ethanol steam reforming over Rh/CexZr1â^'xO2 catalysts: Impact of the COâ€“CO2â€“CH4 interconversion reactions on the H2 production. Applied Catalysis B: Environmental, 2008, 79, 17-25.	10.8	81
105	Impact of the support oxide and Ba loading on the sulfur resistance and regeneration of Pt/Ba/support catalysts. Applied Catalysis B: Environmental, 2008, 80, 62-71.	10.8	46
106	Mechanism of stearic acid oxidation over nanocrystalline La1â^'xAâ€²xBO3La1â^'xAâ€²xBO3 (Aâ€²=Sr, Ce; B=Co,) Tj ETQq0 0 0 rgBT /O	10.8	45
107	NOx storage properties of Pt/Ba/Al model catalysts prepared by different methods. Applied Catalysis B: Environmental, 2008, 84, 514-523.	10.8	21
108	Deactivation phenomena during catalytic wet air oxidation (CWAO) of phenol over platinum catalysts supported on ceria and ceriaâ€“zirconia mixed oxides. Applied Catalysis B: Environmental, 2008, 84, 723-731.	10.8	48

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109	Hydrogen production from raw bioethanol over Rh/MgAl2O4 catalyst. Catalysis Today, 2008, 138, 169-174.	2.2	51
110	High catalytic activity and stability of Pd doped hexaaluminate catalysts for the CH4 catalytic combustion. Applied Catalysis B: Environmental, 2008, 77, 237-247.	10.8	56
111	Effect of Pd precursor salt on the activity and stability of Pd-doped hexaaluminate catalysts for the CH4 catalytic combustion. Applied Catalysis B: Environmental, 2008, 81, 88-96.	10.8	54
112	Optimized CuOâ€“CeO2 catalysts for COPROX reaction. International Journal of Hydrogen Energy, 2008, 33, 1345-1353.	3.8	66
113	Promoting effect of cobalt and nickel on the activity of hydrotreating catalysts in hydrogenation and isomerization of olefins. Journal of Molecular Catalysis A, 2008, 293, 53-58.	4.8	38
114	New Active and Selective Rhâˆ’REOxâˆ’Al2O3 Catalysts for Ethanol Steam Reforming. Journal of Physical Chemistry C, 2008, 112, 14145-14153.	1.5	47
115	Improved oxygen mobility in nanosized mixed-oxide particles synthesized using a simple nanocasting route. Chemical Communications, 2008, , 4504.	2.2	13
116	NO conversion in presence of O2, H2O and SO2: Improvement of a Pt/Al2O3 catalyst by Zr and Sn, and influence of the reducer C3H6 or C3H8. Catalysis Communications, 2008, 9, 664-669.	1.6	21
117	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.	1.6	41
118	Effect of palladium on the reducibility of Mn based materials: correlation with methane oxidation activity. Physical Chemistry Chemical Physics, 2008, 10, 5983.	1.3	26
119	Chapter 8 The role of cerium-based oxides used as oxygen storage materials in DeNOx catalysis. Studies in Surface Science and Catalysis, 2007, 171, 235-259.	1.5	6
120	Rh/Ce0.5Zr0.5O2Catalyst for H2 Production by Ethanol Steam Reforming: impact of CO-CO2-CH4 Interconversion Reactions. Studies in Surface Science and Catalysis, 2007, 172, 289-292.	1.5	0
121	Impact of support oxide and Ba loading on the NOx storage properties of Pt/Ba/support catalysts. Applied Catalysis B: Environmental, 2007, 76, 357-367.	10.8	37
122	Ptâ€“Sn catalysts supported on highly-dispersed ceria on carbon. Journal of Molecular Catalysis A, 2007, 268, 227-234.	4.8	49
123	Wet air oxidation of acetic acid over platinum catalysts supported on cerium-based materials: Influence of metal and oxide crystallite size. Journal of Catalysis, 2007, 251, 172-181.	3.1	52
124	Ruthenium and platinum catalysts supported on Ce, Zr, Pr-O mixed oxides prepared by soft chemistry for acetic acid wet air oxidation. Applied Catalysis B: Environmental, 2007, 72, 1-10.	10.8	66
125	NOx storage capacity, SO2 resistance and regeneration of Pt/(Ba)/CeZr model catalysts for NOx-trap system. Topics in Catalysis, 2007, 42-43, 9-13.	1.3	22
126	Characterizations of platinum catalysts supported on Ce, Zr, Pr-oxides and formation of carbonate species in catalytic wet air oxidation of acetic acid. Catalysis Today, 2007, 124, 185-190.	2.2	48

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127	Study of surface reaction mechanisms by 16O/18O and H/D isotopic exchange. Catalysis Today, 2006, 112, 17-22.	2.2	58
128	Carbon monoxide oxidation over well-defined Pt/ZrO2 model catalysts: Bridging the material gap. Applied Surface Science, 2006, 253, 1310-1322.	3.1	25
129	Properties of ceriumâ€“zirconium mixed oxides partially substituted by neodymium: Comparison with Zrâ€“Ceâ€“Prâ€“O ternary oxides. Journal of Solid State Chemistry, 2006, 179, 2511-2520.	1.4	42
130	Catalytic wet air oxidation of oleic acid on ceria-supported platinum catalyst.effect of pH. Reaction Kinetics and Catalysis Letters, 2006, 87, 269-279.	0.6	14
131	Oxygen mobility in LaCoO3 perovskites. Catalysis Today, 2006, 112, 99-102.	2.2	99
132	Enthalpy recovery of gases issued from H2 production processes: Activity and stability of oxide and noble metal catalysts in oxidation reaction under highly severe conditions. Catalysis Today, 2006, 117, 543-548.	2.2	20
133	The chemistry of DeNOx reactions over Pt/Al2O3: The oxime route to N2 or N2O. Journal of Catalysis, 2006, 243, 252-262.	3.1	33
134	NO reduction by hydrocarbons and oxygenated compounds in O2 excess over a Pt/Al2O3 catalyst. Applied Catalysis B: Environmental, 2006, 64, 103-110.	10.8	21
135	Catalysts for Wet Air Oxidation Based on Ce-Zr-Pr-O Mixed Oxides Prepared by Soft Chemistry. Advances in Science and Technology, 2006, 45, 2089-2095.	0.2	0
136	Oxygen and Hydrogen Surface Mobility in Supported Metal Catalysts: Study by 18O/16O and 2H/1H Exchange. Catalytic Science Series, 2006, , 133-181.	0.6	17
137	16O/18O isotopic exchange: A powerful tool to investigate oxygen activation on M/CexZr1â^'xO2 catalysts. Applied Catalysis A: General, 2005, 289, 90-96.	2.2	25
138	Role of bulk and grain boundary oxygen mobility in the catalytic oxidation activity of LaCo1â€“xFexO3. Journal of Catalysis, 2005, 234, 364-375.	3.1	117
139	Ethanol steam reforming over MgxNi1â^'xAl2O3 spinel oxide-supported Rh catalysts. Journal of Catalysis, 2005, 233, 464-477.	3.1	179
140	Catalytic wet air oxidation of stearic acid on cerium oxide supported noble metal catalysts. Applied Catalysis B: Environmental, 2005, 55, 1-10.	10.8	40
141	Supported base metal catalysts for the preferential oxidation of carbon monoxide in the presence of excess hydrogen (PROX). Applied Catalysis B: Environmental, 2005, 58, 175-183.	10.8	221
142	Oxygen storage capacity of La1â^'xAâ€²xBO3 perovskites (with Aâ€²=Sr, Ce; B=Co, Mn)â€"relation with catalytic activity in the CH4 oxidation reaction. Applied Catalysis B: Environmental, 2005, 58, 273-288.	10.8	152
143	A study of the deactivation by sulfur and regeneration of a model NSR Pt/Ba/Al2O3 catalyst. Applied Catalysis B: Environmental, 2005, 61, 236-243.	10.8	60
144	Role of ceria-supported noble metal catalysts (Ru, Pd, Pt) in wet air oxidation of nitrogen and oxygen containing compounds. Topics in Catalysis, 2005, 33, 77-86.	1.3	51

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145	Noble metal catalysts for the preferential oxidation of carbon monoxide in the presence of hydrogen (PROX). Applied Catalysis B: Environmental, 2004, 54, 59-66.	10.8	245
146	Study of the Oxygen Diffusion on Three-Way Catalysts: A Kinetic Model. Topics in Catalysis, 2004, 30/31, 405-409.	1.3	20
147	Hydrogen Production for Fuel Cells from the Catalytic Ethanol Steam Reforming. Topics in Catalysis, 2004, 30/31, 487-491.	1.3	32
148	Characterisation by TPR, XRD and NOxStorage Capacity Measurements of the Ageing by Thermal Treatment and SO2Poisoning of a Pt/Ba/Al NOx-Trap Model Catalyst. Topics in Catalysis, 2004, 30/31, 493-496.	1.3	23
149	Characterization of the dynamic oxygen migration over Pt/CeO2-ZrO2 catalysts by 18O/16O isotopic exchange reaction. Catalysis Today, 2004, 90, 223-229.	2.2	45
150	Dynamic oxygen mobility and a new insight into the role of Zr atoms in three-way catalysts of Pt/CeO2â€“ZrO2. Catalysis Today, 2004, 93-95, 827-832.	2.2	84
151	Surface diffusion upon oxygen isotopic exchange on oxide-supported metal nanoclusters. Solid State Ionics, 2004, 166, 147-155.	1.3	29
152	Preferential oxidation of carbon monoxide in the presence of hydrogen (PROX) over ceria?zirconia and alumina-supported Pt catalysts. Journal of Catalysis, 2004, 225, 259-266.	3.1	192
153	A novel dynamic kinetic model of oxygen isotopic exchange on a supported metal catalyst. Applied Surface Science, 2004, 236, 342-355.	3.1	23
154	Experimental and Predictive Approach for Determining Wet Air Oxidation Reaction Pathways in Synthetic Wastewaters. Chemical Engineering Research and Design, 2003, 81, 384-392.	2.7	24
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