Umit S Ozkan

List of Publications by Year
in descending order

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184 papers	9,190 citations	30070 54 h-index	49909 87 g-index
348 all docs	348 docs citations	348 times ranked	8920 citing authors

#	Article	IF	Citations
1	Exsolution of nanoparticles on A-site-deficient lanthanum ferrite perovskites: its effect on co-electrolysis of CO₂ and H₂O. Journal of Materials Chemistry A, 2022, 10, 2483-2495.	10.3	13
2	Aqueous phase hydrodechlorination of trichloroethylene using Pd supported on swellable organically modified silica (SOMS): Effect of support derivatization. Journal of Catalysis, 2022, 411, 15-30.	6.2	5
3	Coke formation during high-temperature CO2 electrolysis over AFeO3 (Aâ€¯=â€¯La/Sr) cathode: Effect of A-site metal segregation. Applied Catalysis B: Environmental, 2021, 283, 119642.	20.2	48
4	Incident-angle dependent operando XAS cell design: investigation of the electrochemical cells under operating conditions at various incidence angles. RSC Advances, 2021, 11, 6456-6463.	3.6	4
5	Elucidating the role of ethanol in aqueous phase hydrodechlorination of trichloroethylene over Pd catalysts supported on swellable organically modified silica (SOMS). Applied Catalysis B: Environmental, 2021, 285, 119819.	20.2	8
6	Investigation of hetero-phases grown via in-situ exsolution on a Ni-doped (La,Sr)FeO3 cathode and the resultant activity enhancement in CO2 reduction. Applied Catalysis B: Environmental, 2021, 286, 119917.	20.2	42
7	On the dual role of the reactant during aqueous phase hydrodechlorination of trichloroethylene (HDC of TCE) using Pd supported on swellable organically modified silica (SOMS). Applied Catalysis B: Environmental, 2021, 291, 120060.	20.2	7
8	Phosphate tolerance of nitrogen-coordinated-iron-carbon (FeNC) catalysts for oxygen reduction reaction: A size-related hindrance effect. Journal of Catalysis, 2020, 390, 150-160.	6.2	6
9	A review of the current trends in high-temperature electrocatalytic ammonia production using solid electrolytes. Journal of Catalysis, 2020, 387, 207-216.	6.2	25
10	Temperature-induced changes in the synthesis gas composition in a high-temperature H2O and CO2 co-electrolysis system. Applied Catalysis A: General, 2020, 602, 117697.	4.3	12
11	Effect of High Temperature on Swellable Organically Modified Silica (SOMS) and Its Application for Preferential CO Oxidation in H₂ Rich Environment. ChemCatChem, 2020, 12, 3753-3768.	3.7	6
12	Experimental and DFT Investigation into Chloride Poisoning Effects on Nitrogen-Coordinated Ironâ€“Carbon (FeNC) Catalysts for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2020, 124, 10324-10335.	3.1	23
13	Electrocatalytic applications of heteroatom-doped carbon nanostructures: thinking beyond PEM fuel cells. Catalysis, 2020, , 44-80.	1.0	4
14	Formation of carbonaceous deposits on Pd-based hydrodechlorination catalysts: Vibrational spectroscopy investigations over Pd/Al2O3 and Pd/SOMS. Catalysis Today, 2019, 323, 129-140.	4.4	16
15	Utilizing imogolite nanotubes as a tunable catalytic material for the selective isomerization of glucose to fructose. Catalysis Today, 2019, 323, 69-75.	4.4	11
16	Application of solid electrolyte cells in ion pump and electrolyzer modes to promote catalytic reactions: An overview. Catalysis Today, 2019, 323, 3-13.	4.4	11
17	Hydrogen Production from Water in a Solid Oxide Electrolysis Cell: Effect of Ni Doping on Lanthanum Strontium Ferrite Perovskite Cathodes. Industrial & Engineering Chemistry Research, 2019, 58, 22497-22505.	3.7	19
18	Changes in Active Sites on Nitrogenâ€Doped Carbon Catalysts Under Oxygen Reduction Reaction: A Combined Postâ€Reaction Characterization and DFT Study. ChemCatChem, 2019, 11, 5945-5950.	3.7	12

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19	CO2 and H2O Electrolysis Using Solid Oxide Electrolyzer Cell (SOEC) with La and Cl- doped Strontium Titanate Cathode. Catalysis Letters, 2019, 149, 1743-1752.	2.6	19
20	Aqueous-Phase Hydrodechlorination of Trichloroethylene over Pd-Based Swellable Organically Modified Silica: Catalyst Deactivation Due to Sulfur Species. Industrial & Engineering Chemistry Research, 2019, 58, 4054-4064.	3.7	20
21	Production of syngas with controllable H2/CO ratio by high temperature co-electrolysis of CO2 and H2O over Ni and Co- doped lanthanum strontium ferrite perovskite cathodes. Applied Catalysis B: Environmental, 2019, 248, 487-503.	20.2	72
22	Using Volatile Organic Compounds in Waste Streams as Fuel. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	2
23	Effect of alumina incorporation on the sulfur tolerance of the dual-catalyst aftertreatment system for reduction of nitrogen oxides under lean conditions. Catalysis Today, 2019, 320, 204-213.	4.4	5
24	Effect of lanthanum and chlorine doping on strontium titanates for the electrocatalytically-assisted oxidative dehydrogenation of ethane. Applied Catalysis B: Environmental, 2018, 227, 90-101.	20.2	44
25	Insights into oxygen reduction reaction (ORR) and oxygen evolution reaction (OER) active sites for nitrogen-doped carbon nanostructures (CNx) in acidic media. Applied Catalysis B: Environmental, 2018, 220, 88-97.	20.2	232
26	Effect of Acid-Washing on the Nature of Bulk Characteristics of Nitrogen-Doped Carbon Nanostructures as Oxygen Reduction Reaction Electrocatalysts in Acidic Media. Energy & Fuels, 2018, 32, 11038-11045.	5.1	12
27	Advances in High-Temperature Electrocatalytic Reduction of CO2 and H2O. Advances in Catalysis, 2018, 62, 113-165.	0.2	8
28	Aqueous-phase hydrodechlorination of trichloroethylene over Pd-based swellable organically-modified silica (SOMS): Catalyst deactivation due to chloride anions. Applied Catalysis B: Environmental, 2018, 239, 654-664.	20.2	23
29	Enhancement in Oxygen Reduction Reaction Activity of Nitrogenâ€Doped Carbon Nanostructures in Acidic Media through Chlorideâ€Ion Exposure. ChemElectroChem, 2018, 5, 1966-1975.	3.4	16
30	Swellable Organically Modified Silica (SOMS) as a Catalyst Scaffold for Catalytic Treatment of Water Contaminated with Trichloroethylene. ACS Catalysis, 2018, 8, 6796-6809.	11.2	19
31	Effect of high-temperature on the swellable organically-modified silica (SOMS) and its application to gas-phase hydrodechlorination of trichloroethylene. Applied Catalysis B: Environmental, 2017, 209, 80-90.	20.2	15
32	Nitrogen-Coordinated Ironâ^'Carbon as Efficient Bifunctional Electrocatalysts for the Oxygen Reduction and Oxygen Evolution Reactions in Acidic Media. Energy & Fuels, 2017, 31, 6541-6547.	5.1	34
33	Oxygen Mobility in Pre-Reduced Nano- and Macro-Ceria with Co Loading: An AP-XPS, In-Situ DRIFTS and TPR Study. Catalysis Letters, 2017, 147, 2863-2876.	2.6	52
34	Investigation of Chloride Poisoning Resistance for Nitrogen-Doped Carbon Nanostructures as Oxygen Depolarized Cathode Catalysts in Acidic Media. Catalysis Letters, 2017, 147, 2903-2909.	2.6	32
35	Hydrodechlorination of trichloroethylene over Pd supported on swellable organically-modified silica (SOMS). Applied Catalysis B: Environmental, 2017, 203, 641-653.	20.2	23
36	In-situ incorporation of binder during sol-gel preparation of Pd-based sulfated zirconia for reduction of nitrogen oxides under lean-burn conditions: Effect on activity and wash-coating characteristics. Applied Catalysis B: Environmental, 2017, 202, 134-146.	20.2	19

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37	Evolution of N-Coordinated Ironâ€“Carbon (FeNC) Catalysts and Their Oxygen Reduction (ORR) Performance in Acidic Media at Various Stages of Catalyst Synthesis: An Attempt at Benchmarking. Catalysis Letters, 2016, 146, 1749-1770.	2.6	40
38	CO Poisoning Effects on FeNC and CN_x ORR Catalysts: A Combined Experimentalâ€“Computational Study. Journal of Physical Chemistry C, 2016, 120, 15173-15184.	3.1	57
39	Cobalt-Based Catalysts for Ethanol Steam Reforming: An Overview. Energy & Fuels, 2016, 30, 5309-5322.	5.1	77
40	Probing the Oxygen Reduction Reaction Active Sites over Nitrogen-Doped Carbon Nanostructures (CN_x) in Acidic Media Using Phosphate Anion. ACS Catalysis, 2016, 6, 7249-7259.	11.2	123
41	Investigation of the Effect of Alumina Binder Addition to Pd/SO42â€“â€“ZrO2 Catalysts during Solâ€“Gel Synthesis. Industrial & Engineering Chemistry Research, 2016, 55, 11445-11457.	3.7	11
42	Effect of Cobalt on Reduction Characteristics of Ceria under Ethanol Steam Reforming Conditions: AP-XPS and XANES Studies. Journal of Physical Chemistry C, 2016, 120, 14631-14642.	3.1	46
43	Amperometric NOxSensor Based on Oxygen Reduction. IEEE Sensors Journal, 2016, 16, 1532-1540.	4.7	5
44	Effect of Microgravity on Synthesis of Nano Ceria. Catalysts, 2015, 5, 1306-1320.	3.5	8
45	Heteroatom-Doped Carbon Nanostructures as Oxygen Reduction Reaction Catalysts in Acidic Media: An Overview. Catalysis Letters, 2015, 145, 436-450.	2.6	63
46	Effect of Ce Doping on the Performance and Stability of Strontium Cobalt Ferrite Perovskites as SOFC Anode Catalysts. Topics in Catalysis, 2015, 58, 359-374.	2.8	17
47	Characterization of olivine-supported nickel silicate as potential catalysts for tar removal from biomass gasification. Applied Catalysis A: General, 2015, 489, 42-50.	4.3	49
48	Desolvation and Dehydrogenation of Solvated Magnesium Salts of Dodecahydrododecaborate: Relationship between Structure and Thermal Decomposition. Chemistry - A European Journal, 2014, 20, 7325-7333.	3.3	13
49	Reduction Characteristics of Ceria under Ethanol Steam Reforming Conditions: Effect of the Particle Size. ACS Catalysis, 2014, 4, 585-592.	11.2	83
50	Use of H₂S to Probe the Active Sites in FeNC Catalysts for the Oxygen Reduction Reaction (ORR) in Acidic Media. ACS Catalysis, 2014, 4, 3454-3462.	11.2	81
51	A comparison of N-containing carbon nanostructures (CN) and N-coordinated ironâ€“carbon catalysts (FeNC) for the oxygen reduction reaction in acidic media. Journal of Catalysis, 2014, 317, 30-43.	6.2	98
52	Investigation of the Reduction/Oxidation Behavior of Cobalt Supported on Nano-ceria. Topics in Catalysis, 2014, 57, 785-795.	2.8	13
53	Photostable p-Type Dye-Sensitized Photoelectrochemical Cells for Water Reduction. Journal of the American Chemical Society, 2013, 135, 11696-11699.	13.7	189
54	Bridging Heterogeneous Catalysis and Electro-catalysis: Catalytic Reactions Involving Oxygen. Topics in Catalysis, 2013, 56, 1603-1610.	2.8	1

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55	A First-Principles Study of the Role of Quaternary-N Doping on the Oxygen Reduction Reaction Activity and Selectivity of Graphene Edge Sites. Topics in Catalysis, 2013, 56, 1623-1633.	2.8	67
56	In situ characterization of the growth of CNx carbon nano-structures as oxygen reduction reaction catalysts. Journal of Catalysis, 2013, 304, 100-111.	6.2	31
57	The Effect of Surface Acidic and Basic Properties on the Performance of Cobalt-Based Catalysts for Ethanol Steam Reforming. Topics in Catalysis, 2012, 55, 1324-1331.	2.8	32
58	Ethanol steam reforming over Co/CeO2 catalysts: Investigation of the effect of ceria morphology. Applied Catalysis A: General, 2012, 449, 47-58.	4.3	88
59	The role of oxidation catalyst in dual-catalyst bed for after-treatment of lean burn natural gas exhaust. Catalysis Today, 2012, 197, 127-136.	4.4	9
60	Effect of Engine Exhaust Parameters on the Hydrothermal Stability of Hydrocarbon-Selective Catalytic Reduction (SCR) Catalysts for Lean-Burn Systems. Energy & Fuels, 2012, 26, 7084-7091.	5.1	10
61	Preferential oxidation of CO (PROX) over CoOx/CeO2 in hydrogen-rich streams: Effect of cobalt loading. Applied Catalysis B: Environmental, 2012, 128, 21-30.	20.2	68
62	Ce-doped strontium cobalt ferrite perovskites as cathode catalysts for solid oxide fuel cells: Effect of dopant concentration. Applied Catalysis B: Environmental, 2012, 127, 336-341.	20.2	24
63	Effect of Support Particle Size in Steam Reforming of Ethanol over Co/CeO₂ Catalysts. ACS Catalysis, 2012, 2, 2335-2348.	11.2	145
64	Use of carbon monoxide and cyanide to probe the active sites on nitrogen-doped carbon catalysts for oxygen reduction. Applied Catalysis B: Environmental, 2012, 113-114, 126-133.	20.2	38
65	Investigation of sulfur poisoning of CNx oxygen reduction catalysts for PEM fuel cells. Journal of Catalysis, 2012, 285, 145-151.	6.2	51
66	Ethanol steam reforming over Co-based catalysts: Investigation of cobalt coordination environment under reaction conditions. Journal of Catalysis, 2011, 284, 77-89.	6.2	113
67	Carbon corrosion characteristics of CNx nanostructures in acidic media and implications for ORR performance. Journal of Applied Electrochemistry, 2011, 41, 757-763.	2.9	25
68	Adsorption/Desorption Behavior of Ethanol Steam Reforming Reactants and Intermediates over Supported Cobalt Catalysts. Catalysis Letters, 2011, 141, 43-54.	2.6	67
69	Hydrogen production by steam reforming of dimethyl ether over Pd-based catalytic monoliths. Applied Catalysis B: Environmental, 2011, 101, 690-697.	20.2	34
70	Variation of structure and properties of La1â^'xSrxCo0.2Fe0.8O3â^'Î´ with Sr content: Implications for oxidation activity. Journal of Molecular Catalysis A, 2011, 336, 23-33.	4.8	3
71	Effect of H2O on sulfur poisoning and catalytic activity of Niâ€“YSZ catalysts. Applied Catalysis A: General, 2011, 393, 138-145.	4.3	25
72	Effect of additional B-site transition metal doping on oxygen transport and activation characteristics in La0.6Sr0.4(Co0.18Fe0.72X0.1)O3â^'Î´ (where X=Zn, Ni or Cu) perovskite oxides. Applied Catalysis B: Environmental, 2011, 103, 318-325.	20.2	55

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73	Examination of Catalyst Loading Effects on the Selectivity of CNx and Pt/VC ORR Catalysts Using RRDE. Journal of the Electrochemical Society, 2011, 158, B402.	2.9	54
74	Correlation Between Oxygen Reduction Reaction and Oxidative Dehydrogenation Activities Over Nanostructured Carbon Catalysts. Catalysis Letters, 2010, 136, 1-8.	2.6	33
75	Effect of cobalt precursor on the performance of ceria-supported cobalt catalysts for ethanol steam reforming. Applied Catalysis A: General, 2010, 382, 58-64.	4.3	79
76	Effect of sulfur as a growth promoter for CNx nanostructures as PEM and DMFC ORR catalysts. Applied Catalysis B: Environmental, 2010, 96, 72-82.	20.2	33
77	Effect of water vapor on the activity and stability of Pd/SZ and Co/ZrO2 in dual-catalyst treatment of simulated exhaust from lean-burn natural gas engines. Applied Catalysis B: Environmental, 2010, 96, 421-433.	20.2	18
78	Preferential oxidation of carbon monoxide on Co/CeO2 nanoparticles. Applied Catalysis B: Environmental, 2010, 97, 28-35.	20.2	124
79	Cr-free Fe-based water-gas shift catalysts prepared through propylene oxide-assisted solâ€“gel technique. Journal of Molecular Catalysis A, 2010, 321, 61-70.	4.8	25
80	Economic analysis of hydrogen production through a bio-ethanol steam reforming process: Sensitivity analyses and cost estimations. International Journal of Hydrogen Energy, 2010, 35, 127-134.	7.1	56
81	The role of impregnation medium on the activity of ceria-supported cobalt catalysts for ethanol steam reforming. Journal of Molecular Catalysis A, 2010, 318, 21-29.	4.8	64
82	Dual-catalyst aftertreatment of lean-burn engine exhaust. Catalysis Today, 2010, 151, 386-394.	4.4	11
83	Doped LaFeO3 as SOFC catalysts: Control of oxygen mobility and oxidation activity. Catalysis Today, 2010, 157, 446-450.	4.4	27
84	The effect of phosphorus in nitrogen-containing carbon nanostructures on oxygen reduction in PEM fuel cells. Carbon, 2010, 48, 3637-3639.	10.3	61
85	RRDE Catalyst Ink Aging Effects on Selectivity to Water Formation in ORR. Electrochemical and Solid-State Letters, 2010, 13, B98.	2.2	2
86	Changing the Oxygen Mobility in Co/Ceria Catalysts by Ca Incorporation: Implications for Ethanol Steam Reforming. Journal of Physical Chemistry A, 2010, 114, 3796-3801.	2.5	105
87	Role of Graphitic Edge Plane Exposure in Carbon Nanostructures for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2010, 114, 15306-15314.	3.1	177
88	Investigation of the Reaction Network in Ethanol Steam Reforming over Supported Cobalt Catalysts. Industrial & Engineering Chemistry Research, 2010, 49, 8984-8989.	3.7	64
89	The Role of Support Morphology and Impregnation Medium on the Water Gas Shift Activity of Ceria-Supported Copper Catalysts. Journal of Physical Chemistry C, 2010, 114, 18173-18181.	3.1	77
90	A computational exploration of the oxygen reduction reaction over a carbon catalyst containing a phosphinate functional group. Chemical Communications, 2010, 46, 8621.	4.1	14

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91	Ethanol steam reforming over Co-based catalysts: Role of oxygen mobility. Journal of Catalysis, 2009, 261, 66-74.	6.2	273
92	Novel Synthesis Techniques for Preparation of Co/CeO2 as Ethanol Steam Reforming Catalysts. Catalysis Letters, 2009, 132, 422-429.	2.6	42
93	Nitrogen-Containing Carbon Nanostructures as Oxygen-Reduction Catalysts. Topics in Catalysis, 2009, 52, 1566-1574.	2.8	204
94	Effect of preparation method on structural characteristics and propane steam reforming performance of Niâ€“Al2O3 catalysts. Journal of Molecular Catalysis A, 2009, 297, 26-34.	4.8	116
95	Deactivation characteristics of Feâ€“Alâ€“Cu water-gas shift catalysts in the presence of H2S. Journal of Molecular Catalysis A, 2009, 309, 63-70.	4.8	31
96	Effect of Cu loading on the catalytic performance of Feâ€“Alâ€“Cu for water-gas shift reaction. Applied Catalysis A: General, 2009, 357, 66-72.	4.3	54
97	Optimization of thermally impregnated Niâ€“olivine catalysts for tar removal. Applied Catalysis A: General, 2009, 363, 64-72.	4.3	39
98	Oxygen and Nitrous Oxide as Oxidants: Implications for Ethane Oxidative Dehydrogenation over Silicaâ€˜Titania-Supported Molybdenum. Journal of Physical Chemistry C, 2009, 113, 10112-10119.	3.1	30
99	Effect of Co Content Upon the Bulk Structure of Sr- and Co-doped LaFeO3. Catalysis Letters, 2008, 121, 179-188.	2.6	47
100	Ni-olivine catalysts prepared by thermal impregnation: Structure, steam reforming activity, and stability. Applied Catalysis A: General, 2008, 341, 43-49.	4.3	66
101	Adsorption characteristics of reduced Mo and Niâ€“Mo catalysts in the hydrodeoxygenation of benzofuran. Applied Catalysis A: General, 2008, 346, 96-103.	4.3	33
102	Investigation of highly active Fe-Al-Cu catalysts for water-gas shift reaction. Applied Catalysis A: General, 2008, 351, 1-8.	4.3	92
103	Olivine catalysts for methane- and tar-steam reforming. Applied Catalysis B: Environmental, 2008, 81, 14-26.	20.2	167
104	Preferential oxidation of carbon monoxide on CoOx/ZrO2. Journal of Molecular Catalysis A, 2008, 279, 1-9.	4.8	58
105	Effect of hydrogen sulfide on the catalytic activity of Ni-YSZ cermets. Journal of Molecular Catalysis A, 2008, 282, 9-21.	4.8	91
106	Oxygen Exchange Kinetics over Sr- and Co-Doped LaFeO₃. Journal of Physical Chemistry C, 2008, 112, 12468-12476.	3.1	26
107	Effect of support on the preferential oxidation of CO over cobalt catalysts. Catalysis Communications, 2008, 9, 1465-1471.	3.3	82
108	Thermally Impregnated Niâ˜Olivine Catalysts for Tar Removal by Steam Reforming in Biomass Gasifiers. Industrial & Engineering Chemistry Research, 2008, 47, 717-723.	3.7	32

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109	Effect of synthesis parameters on the catalytic activity of Coâ€“ZrO2for bio-ethanol steam reforming. Green Chemistry, 2007, 9, 686-694.	9.0	72
110	Characterization of the Iron Phase in CNx-Based Oxygen Reduction Reaction Catalysts. Journal of Physical Chemistry C, 2007, 111, 1444-1450.	3.1	128
111	Investigation of bio-ethanol steam reforming over cobalt-based catalysts. Catalysis Today, 2007, 129, 346-354.	4.4	179
112	Oxygen reduction reaction activity and surface properties of nanostructured nitrogen-containing carbon. Journal of Molecular Catalysis A, 2007, 264, 73-81.	4.8	173
113	Cobalt-based catalysts supported on titania and zirconia for the oxidation of nitric oxide to nitrogen dioxide. Journal of Catalysis, 2007, 247, 356-367.	6.2	147
114	Dual-catalyst aftertreatment of lean-burn natural gas engine exhaust. Applied Catalysis B: Environmental, 2007, 74, 73-82.	20.2	18
115	Methanol Tolerance of CN x Oxygen Reduction Catalysts. Topics in Catalysis, 2007, 46, 339-348.	2.8	33
116	Low-temperature Oxidation of Carbon Monoxide on Co/ZrO2. Catalysis Letters, 2007, 118, 180-186.	2.6	28
117	Pd-based sulfated zirconia prepared by a single step solâ€“gel procedure for lean NOx reduction. Journal of Molecular Catalysis A, 2007, 270, 101-111.	4.8	18
118	Hydrodeoxygenation of benzofuran over sulfided and reduced Niâ€“Mo/Î³-Al2O3 catalysts: Effect of H2S. Journal of Molecular Catalysis A, 2007, 270, 264-272.	4.8	76
119	Oxygen Reduction Reaction Catalysts Prepared from Acetonitrile Pyrolysis over Alumina-Supported Metal Particles. Journal of Physical Chemistry B, 2006, 110, 18374-18384.	2.6	165
120	Catalytic reduction of N2O and NO2 with methane over solâ€“gel palladium-based catalysts. Journal of Molecular Catalysis A, 2006, 259, 171-182.	4.8	21
121	Spectroscopic characterization of Cl-modified Mo/Si:Ti catalysts for oxidative dehydrogenation of propane. Topics in Catalysis, 2006, 41, 63-72.	2.8	8
122	Non-metal Catalysts for Dioxygen Reduction in an Acidic Electrolyte. Catalysis Letters, 2006, 109, 115-123.	2.6	239
123	Pd-supported on sulfated monoclinic zirconia for the reduction of NO2 with methane under lean conditions. Catalysis Letters, 2006, 111, 19-26.	2.6	11
124	Development of chromium-free iron-based catalysts for high-temperature water-gas shift reaction. Journal of Molecular Catalysis A, 2006, 260, 82-94.	4.8	139
125	Preparation of nanostructured nitrogen-containing carbon catalysts for the oxygen reduction reaction from SiO2- and MgO-supported metal particles. Journal of Catalysis, 2006, 243, 395-403.	6.2	119
126	Effect of pre-treatment conditions on the performance of sulfided Niâ€“Mo/Î³-Al2O3 catalysts for hydrogenation of linear aldehydes. Journal of Molecular Catalysis A, 2005, 232, 101-112.	4.8	16

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127	Effect of lanthanide promotion on catalytic performance of solâ€“gel Ni/Al2O3 catalysts in steam reforming of propane. Journal of Molecular Catalysis A, 2005, 241, 133-146.	4.8	123
128	The structureâ€“function relationships in selective oxidation reactions over metal oxides. Catalysis Today, 2005, 100, 101-114.	4.4	44
129	Effect of S-compounds and CO on hydrogenation of aldehydes over reduced and sulfided Niâ€“Mo/Al2O3 catalysts. Applied Catalysis A: General, 2005, 286, 111-119.	4.3	12
130	Effect of pretreatment conditions on Cu/Zn/Zr-based catalysts for the steam reforming of methanol to H2. Journal of Catalysis, 2005, 234, 463-475.	6.2	83
131	Characterization of Active Sites over Reduced Niâ^'Mo/Al2O3Catalysts for Hydrogenation of Linear Aldehydes. Journal of Physical Chemistry B, 2005, 109, 1882-1890.	2.6	40
132	Spectroscopic and Structural Characterization of Chlorine Loading Effects on Mo/Si:Ti Catalysts in Oxidative Dehydrogenation of Ethane. Journal of Physical Chemistry A, 2005, 109, 1260-1268.	2.5	15
133	Correlation of NO and CO2 adsorption sites with aldehyde hydrogenation performance of sulfided NiMo/Al2O3 catalysts. Journal of Catalysis, 2004, 227, 492-501.	6.2	16
134	Chlorine modification of Mo/silica-titania mixed-oxide catalysts for the oxidative dehydrogenation of ethane. Journal of Molecular Catalysis A, 2004, 208, 233-244.	4.8	15
135	Effect of chlorine on redox and adsorption characteristics of Mo/Si:Ti catalysts in the oxidative dehydrogenation of ethane. Journal of Molecular Catalysis A, 2004, 220, 53-65.	4.8	20
136	Steam reforming of methanol to H2 over nonreduced Zr-containing CuO/ZnO catalysts. Journal of Catalysis, 2004, 223, 340-351.	6.2	176
137	Hydrogenation of hexanal over sulfided Ni-Mo/Î³-Al2O3 catalysts. Journal of Molecular Catalysis A, 2004, 217, 219-229.	4.8	32
138	Spectroscopic characterization of surface species in deactivation of solâ€“gel Gdâ€“Pd catalysts in NO reduction with CH4 in the presence of SO2. Journal of Catalysis, 2003, 217, 1-1.	6.2	32
139	Role of NH3 as an intermediate in reduction of NO with CH4 over solâ€“gel Pd catalysts on TiO2. Journal of Molecular Catalysis A, 2003, 192, 79-91.	4.8	7
140	Propane and propylene adsorption effects over MoOx-based catalysts induced by low levels of alkali doping. Journal of Molecular Catalysis A, 2003, 194, 115-135.	4.8	23
141	Spectroscopic and Structural Characterization of Low-Level Alkali Doping Effects on Mo/Silicaâ^'Titania Catalysts. Journal of Physical Chemistry B, 2002, 106, 6930-6941.	2.6	32
142	In situ DRIFTS characterization of wet-impregnated and solâ€“gel Pd/TiO2 for NO reduction with CH4. Catalysis Communications, 2002, 3, 199-206.	3.3	16
143	Investigation of the Reaction Network of Benzofuran Hydrodeoxygenation over Sulfided and Reduced Niâ€“Mo/Al2O3 Catalysts. Journal of Catalysis, 2002, 206, 177-187.	6.2	97
144	Mo Loading Effects over Mo/Si : Ti Catalysts in the Oxidative Dehydrogenation of Ethane. Journal of Catalysis, 2002, 208, 124-138.	6.2	49

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145	Oxidative Dehydrogenation over Sol-Gel Mo/Si:Ti Catalysts: Effect of Mo Loading. Studies in Surface Science and Catalysis, 2001, , 221-226.	1.5	4
146	Application of {(DMF)10Ln2[Pd(CN)4]3}â^ž (Ln = Yb, Sm) as lanthanideâ€“palladium catalyst precursors dispersed on solâ€“gelâ€“TiO2 in the reduction of NO by methane in the presence of oxygen. Journal of Molecular Catalysis A, 2001, 165, 103-111.	4.8	56
147	Oxidative dehydrogenation of propane over alkali-Mo catalysts supported on sol-gel silica-titania mixed oxides. Studies in Surface Science and Catalysis, 2000, 130, 1883-1888.	1.5	2
148	Reaction network of indole hydrodenitrogenation over NiMoS/Î³-Al2O3 catalysts. Applied Catalysis A: General, 2000, 190, 51-60.	4.3	55
149	K/Mo Catalysts Supported over Solâ€“Gel Silicaâ€“Titania Mixed Oxides in the Oxidative Dehydrogenation of Propane. Journal of Catalysis, 2000, 191, 12-29.	6.2	109
150	Role of lanthanide elements on the catalytic behavior of supported Pd catalysts in the reduction of NO with methane. Catalysis Today, 1999, 53, 597-606.	4.4	14
151	NiMoS/Î³-Al2O3Catalysts: The Nature and the Aging Behavior of Active Sites in HDN Reactions. Journal of Catalysis, 1998, 178, 457-465.	6.2	37
152	Effect of H2O and SO2 on the activity of Pd/TiO2 catalysts in catalytic reduction of NO with methane in the presence of oxygen. Catalysis Today, 1998, 42, 3-11.	4.4	17
153	Characterization and temperature-programmed studies over Pd/TiO2 catalysts for NO reduction with methane. Catalysis Today, 1998, 40, 3-14.	4.4	45
154	Supercritical Fluid Extraction and Temperature-Programmed Desorption of Phenol and Its Oxidative Coupling Products from Activated Carbon. Industrial & Engineering Chemistry Research, 1998, 37, 3089-3097.	3.7	26
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