Jose Luis G Fierro

List of Publications by Year
in descending order

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996 papers	51,319 citations	1697 104 h-index	4978 167 g-index
1024 all docs	1024 docs citations	1024 times ranked	35565 citing authors

#	Article	IF	Citations
1	Chemical Structures and Performance of Perovskite Oxides. Chemical Reviews, 2001, 101, 1981-2018.	23.0	2,309
2	Hydrogen Production Reactions from Carbon Feedstocks:â€‰ Fossil Fuels and Biomass. Chemical Reviews, 2007, 107, 3952-3991.	23.0	1,108
3	Biodiesel from sunflower oil by using activated calcium oxide. Applied Catalysis B: Environmental, 2007, 73, 317-326.	10.8	677
4	New catalytic routes for syngas and hydrogen production. Applied Catalysis A: General, 1996, 144, 7-57.	2.2	617
5	Surface properties and catalytic performance in methane combustion of Sr-substituted lanthanum manganites. Applied Catalysis B: Environmental, 2000, 24, 193-205.	10.8	521
6	Water Splitting on Semiconductor Catalysts under Visibleâ€Light Irradiation. ChemSusChem, 2009, 2, 471-485.	3.6	504
7	Ethanol steam reforming over Ni/MxOyNi/MxOyâ€“Al2O3Al2O3 (M=CeM=Ce, La, Zr and Mg) catalysts: Influence of support on the hydrogen production. International Journal of Hydrogen Energy, 2007, 32, 1462-1471.	3.8	390
8	Oxidative processes of desulfurization of liquid fuels. Journal of Chemical Technology and Biotechnology, 2010, 85, 879-890.	1.6	382
9	Hydrogen production from renewable sources: biomass and photocatalytic opportunities. Energy and Environmental Science, 2009, 2, 35-54.	15.6	378
10	Production of hydrogen from methanol over Cu/ZnO catalysts promoted by ZrO2 and Al2O3. Journal of Catalysis, 2003, 219, 389-403.	3.1	364
11	Structure and Reactivity of Perovskite-Type Oxides. Advances in Catalysis, 1989, , 237-328.	0.1	358
12	Sensitivity of single wall carbon nanotubes to oxidative processing: structural modification, intercalation and functionalisation. Carbon, 2003, 41, 2247-2256.	5.4	333
13	Preparation and in-Situ Spectroscopic Characterization of Molecularly Dispersed Titanium Oxide on Silica. Journal of Physical Chemistry B, 1998, 102, 5653-5666.	1.2	311
14	Few-layer graphenes from ball-milling of graphite with melamine. Chemical Communications, 2011, 47, 10936.	2.2	299
15	Direct methane conversion routes to chemicals and fuels. Catalysis Today, 2011, 171, 15-23.	2.2	275
16	Genesis of iron carbides and their role in the synthesis of hydrocarbons from synthesis gas. Journal of Catalysis, 2006, 243, 199-211.	3.1	254
17	Nature of Copper Active Sites in the Carbon Monoxide Oxidation on CuAl2O4and CuCr2O4Spinel Type Catalysts. Journal of Catalysis, 1998, 177, 82-95.	3.1	241
18	Induced changes in ceria by thermal treatments under vacuum or hydrogen. Journal of Solid State Chemistry, 1987, 66, 154-162.	1.4	237

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19	Delamination of Layered Covalent Organic Frameworks. Small, 2011, 7, 1207-1211.	5.2	234
20	Highly effective conversion of CO2 to methanol over supported and promoted copper-based catalysts: influence of support and promoter. Applied Catalysis B: Environmental, 2001, 29, 207-215.	10.8	228
21	Na-doped ruthenium perovskite electrocatalysts with improved oxygen evolution activity and durability in acidic media. Nature Communications, 2019, 10, 2041.	5.8	227
22	Partial oxidation of methanol to produce hydrogen over Cuî—¸Zn-based catalysts. Applied Catalysis A: General, 1997, 162, 281-297.	2.2	224
23	Hydrogen Production from Glycerol Over Nickel Catalysts Supported on Al2O3 Modified by Mg, Zr, Ce or La. Topics in Catalysis, 2008, 49, 46-58.	1.3	224
24	Hydrogenation of Aromatics on Sulfur-Resistant PtPd Bimetallic Catalysts. Journal of Catalysis, 2000, 189, 184-194.	3.1	219
25	The effect of CeO2 on the surface and catalytic properties of Pt/CeO2â€“ZrO2 catalysts for methane dry reforming. Applied Catalysis B: Environmental, 2009, 89, 149-159.	10.8	218
26	Study of the surface and redox properties of ceriaâ€“zirconia oxides. Applied Catalysis A: General, 2008, 337, 86-96.	2.2	213
27	Structural features of La1â^'xCexNiO3 mixed oxides and performance for the dry reforming of methane. Applied Catalysis A: General, 2006, 311, 94-104.	2.2	206
28	A Review of Deep Hydrodesulfurization Catalysis. Catalysis Reviews - Science and Engineering, 1996, 38, 161-188.	5.7	204
29	Structural and surface features of PtNi catalysts for reforming of methane with CO2. Applied Catalysis A: General, 2007, 323, 188-201.	2.2	204
30	Hydrogenolysis of glycerol to propanediols over a Pt/ASA catalyst: The role of acid and metal sites on product selectivity and the reaction mechanism. Applied Catalysis B: Environmental, 2010, 97, 248-256.	10.8	198
31	Selective Production of Hydrogen by Partial Oxidation of Methanol over ZnO-Supported Palladium Catalysts. Journal of Catalysis, 1998, 179, 150-162.	3.1	196
32	Partial oxidation of methanol over supported palladium catalysts. Applied Catalysis A: General, 1998, 168, 307-322.	2.2	186
33	Glycerol steam reforming over Ni catalysts supported on ceria and ceria-promoted alumina. International Journal of Hydrogen Energy, 2010, 35, 11622-11633.	3.8	184
34	Preparation of Platinum Supported on Pregraphitized Carbon Blacks. Langmuir, 1994, 10, 750-755.	1.6	181
35	A framework for visible-light water splitting. Energy and Environmental Science, 2010, 3, 1865.	15.6	181
36	Synergy effect in the HDO of phenol over Niâ€“W catalysts supported on active carbon: Effect of tungsten precursors. Applied Catalysis B: Environmental, 2010, 101, 1-12.	10.8	180

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37	Synergy of FexCe1âˆ’xO2 mixed oxides for N2O decomposition. Journal of Catalysis, 2006, 239, 340-346.	3.1	177
38	Ethanol steam reforming over Ni/Laâ€“Al2O3 catalysts: Influence of lanthanum loading. Catalysis Today, 2007, 129, 336-345.	2.2	174
39	Highly efficient deep desulfurization of fuels by chemical oxidation. Green Chemistry, 2004, 6, 557.	4.6	171
40	Oxidative dehydrogenation of ethane to ethylene over alumina-supported vanadium oxide catalysts: Relationship between molecular structures and chemical reactivity. Catalysis Today, 2006, 118, 279-287.	2.2	171
41	Oxidative Methanol Reforming Reactions on CuZnAl Catalysts Derived from Hydrotalcite-like Precursors. Journal of Catalysis, 2001, 198, 338-347.	3.1	167
42	SrFeO3-Î´Perovskite Oxides:Â Chemical Features and Performance for Methane Combustion. Chemistry of Materials, 2002, 14, 2325-2333.	3.2	165
43	Chemical Structures of Coprecipitated Feâˆ’Ce Mixed Oxides. Chemistry of Materials, 2005, 17, 2329-2339.	3.2	161
44	Non-stoichiometric surface behaviour of LaMO3 oxides as evidenced by XPS. Applied Surface Science, 1987, 27, 453-457.	3.1	160
45	Catalytic performance for CO2 conversion to methanol of gallium-promoted copper-based catalysts: influence of metallic precursors. Applied Catalysis B: Environmental, 2001, 34, 255-266.	10.8	160
46	Influence of the Preparation Route of Bimetallic Ptâˆ’Au Nanoparticle Electrocatalysts for the Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2007, 111, 2913-2923.	1.5	160
47	Upgrading of bio-liquids on different mesoporous silica-supported CoMo catalysts. Applied Catalysis B: Environmental, 2009, 92, 154-167.	10.8	158
48	Ni-based catalysts for reforming of methane with CO2. International Journal of Hydrogen Energy, 2012, 37, 15966-15975.	3.8	158
49	Catalytic reduction of nitrate on Pt-Cu and Pd-Cu on active carbon using continuous reactorThe effect of copper nanoparticles. Applied Catalysis B: Environmental, 2006, 62, 77-85.	10.8	157
50	Production of hydrogen by oxidative reforming of ethanol over Pt catalysts supported on Al2O3 modified with Ce and La. Applied Catalysis B: Environmental, 2005, 55, 229-241.	10.8	156
51	Study of chemical activation process of a lignocellulosic material with KOH by XPS and XRD. Microporous and Mesoporous Materials, 2003, 60, 173-181.	2.2	154
52	Partial Oxidation of Methane to Synthesis Gas Using LnCoO3Perovskites as Catalyst Precursors. Journal of Catalysis, 1997, 167, 198-209.	3.1	153
53	Plasma Fluorination of Chemically Derived Graphene Sheets and Subsequent Modification With Butylamine. Chemistry of Materials, 2009, 21, 3433-3438.	3.2	151
54	Catalytic effects of ruthenium particle size on the Fischerâ€“Tropsch Synthesis. Journal of Catalysis, 2011, 284, 102-108.	3.1	150

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55	Structure and composition of perovskite surface in relation to adsorption and catalytic properties. Catalysis Today, 1990, 8, 153-174.	2.2	148
56	Hydrogenation of aromatics over supported Pt-Pd catalysts. Applied Catalysis A: General, 2002, 225, 223-237.	2.2	148
57	Hydrogenation of carbon oxides over promoted Fe-Mn catalysts prepared by the microemulsion methodology. Applied Catalysis A: General, 2006, 311, 66-75.	2.2	146
58	Influence of the solvent on the structure, morphology and performance for H2 evolution of CdS photocatalysts prepared by solvothermal method. Applied Catalysis B: Environmental, 2017, 203, 753-767.	10.8	146
59	Catalytic valorization of CO2 via methanol synthesis with Ga-promoted Cuâ€“ZnOâ€“ZrO2 catalysts. Applied Catalysis B: Environmental, 2013, 142-143, 241-248.	10.8	145
60	Nature of the vanadia?ceria interface in V5+/CeO2 catalysts and its relevance for the solid-state reaction toward CeVO4 and catalytic properties. Journal of Catalysis, 2004, 225, 240-248.	3.1	143
61	MCM-41 supported PdNi catalysts for dry reforming of methane. Applied Catalysis B: Environmental, 2009, 92, 250-261.	10.8	143
62	Photocatalytic hydrogen evolution from CdSâ€“ZnOâ€“CdO systems under visible light irradiation: Effect of thermal treatment and presence of Pt and Ru cocatalysts. International Journal of Hydrogen Energy, 2008, 33, 4265-4273.	3.8	142
63	Characterization of nickel species on several Î³-alumina supported nickel samples. Journal of Molecular Catalysis A, 1996, 106, 125-134.	4.8	139
64	The phenol steam reforming reaction over MgO-based supported Rh catalysts. Journal of Catalysis, 2004, 228, 417-432.	3.1	136
65	Hydrogenation of aromatics over Au-Pd/SiO2-Al2O3 catalysts; support acidity effect. Applied Catalysis A: General, 2004, 264, 43-51.	2.2	135
66	Gas phase hydrogenation of crotonaldehyde over Pt/Activated carbon catalysts. Influence of the oxygen surface groups on the support. Applied Catalysis A: General, 1997, 150, 165-183.	2.2	134
67	Hydrogen production by methane decomposition: Origin of the catalytic activity of carbon materials. Fuel, 2010, 89, 1241-1248.	3.4	134
68	Crotonaldehyde hydrogenation over bimetallic Ptî—¸Sn catalysts supported on pregraphitized carbon black. Effect of the preparation method. Applied Catalysis A: General, 1996, 148, 63-80.	2.2	132
69	Life cycle assessment of alternatives for hydrogen production from renewable and fossil sources. International Journal of Hydrogen Energy, 2012, 37, 1173-1183.	3.8	131
70	Spectroscopic Evidence of Cuâ€“Al Interactions in Cuâ€“Znâ€“Al Mixed Oxide Catalysts Used in CO Hydrogenation. Journal of Catalysis, 1998, 178, 146-152.	3.1	130
71	Dehydrogenation of isopropylic alcohol on a Cu/SiO2 catalyst: a study of the activity evolution and reactivation of the catalyst. Applied Catalysis A: General, 1996, 142, 375-386.	2.2	129
72	Absorption-enhanced reforming of phenol by steam over supported Fe catalysts. Journal of Catalysis, 2006, 241, 132-148.	3.1	129

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73	Formaldehyde/methanol combustion on alumina-supported manganese-palladium oxide catalyst. Applied Catalysis B: Environmental, 2004, 51, 83-91.	10.8	128
74	Influence of molar ratio on Pdâ€“Pt catalysts for methane combustion. Journal of Catalysis, 2006, 243, 14-24.	3.1	128
75	A comparative study of the water gas shift reaction over platinum catalysts supported on CeO2, TiO2 and Ce-modified TiO2. Catalysis Today, 2010, 149, 372-379.	2.2	128
76	Alumina-supported manganese- and manganeseâ€“palladium oxide catalysts for VOCs combustion. Catalysis Communications, 2003, 4, 223-228.	1.6	126
77	Hydrodeoxygenation of guaiacol over carbon-supported molybdenum nitride catalysts: Effects of nitriding methods and support properties. Applied Catalysis A: General, 2012, 439-440, 111-124.	2.2	126
78	Influence of La2O3 modified support and Ni and Pt active phases on glycerol steam reforming to produce hydrogen. Catalysis Communications, 2009, 10, 1275-1278.	1.6	125
79	Effectiveness of metalâ€“organic frameworks for removal of refractory organo-sulfur compound present in liquid fuels. Fuel, 2011, 90, 190-197.	3.4	124
80	Manganese-promoted Rh/Al2O3 for C2-oxygenates synthesis from syngas. Applied Catalysis A: General, 2004, 261, 47-55.	2.2	123
81	Effect of the carbon pre-treatment on the properties and performance for nitrobenzene hydrogenation of Pt/C catalysts. Applied Catalysis A: General, 1997, 161, 213-226.	2.2	120
82	Activation of methane by oxygen and nitrogen oxides. Catalysis Reviews - Science and Engineering, 2002, 44, 1-58.	5.7	118
83	Acid-Functionalized Amorphous Silica by Chemical Graftingâ^'Quantitative Oxidation of Thiol Groups. Langmuir, 2003, 19, 7621-7627.	1.6	118
84	Structural Characteristics and Reactivity/Reducibility Properties of Dispersed and Bilayered V2O5/TiO2/SiO2 Catalysts. Journal of Physical Chemistry B, 1999, 103, 618-629.	1.2	117
85	Enhancement of phenol hydrodeoxygenation over Pd catalysts supported on mixed HY zeolite and Al2O3. An approach to O-removal from bio-oils. Fuel, 2014, 117, 1061-1073.	3.4	117
86	Raman spectroscopy during catalytic operations with on-line activity measurement (operando) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 materials. Journal of Materials Chemistry, 2002, 12, 3337-3342.	6.7	116
87	Dynamic behavior of supported vanadia catalysts in the selective oxidation of ethane. Catalysis Today, 2000, 61, 295-301.	2.2	115
88	Improved stability of Ni/Al2O3 catalysts by effect of promoters (La2O3, CeO2) for ethanol steam-reforming reaction. Catalysis Today, 2016, 259, 27-38.	2.2	115
89	A density functional theory study of the dissociation of H2 on gold clusters: Importance of fluxionality and ensemble effects. Journal of Chemical Physics, 2006, 125, 164715.	1.2	114
90	Hydrogen peroxide decomposition over Ln1â^'xAxMnO3 (Ln = La or Nd and A = K or Sr) perovskites. Applied Catalysis A: General, 2001, 215, 245-256.	2.2	113

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91	Zero valent iron (ZVI) mediated Fenton degradation of industrial wastewater: Treatment performance and characterization of final composites. Chemical Engineering Journal, 2015, 269, 298-305.	6.6	113
92	Catalytic combustion of methane over cerium-doped palladium catalysts. Journal of Catalysis, 2003, 215, 78-86.	3.1	111
93	Comparison of the morphology and HDS activity of ternary Co-Mo-W catalysts supported on P-modified SBA-15 and SBA-16 substrates. Applied Catalysis B: Environmental, 2009, 92, 168-184.	10.8	111
94	Supported Ptâ€“Sn catalysts highly selective for isobutane dehydrogenation: preparation, characterization and catalytic behavior. Applied Catalysis A: General, 1999, 189, 77-86.	2.2	110
95	Hydrogen production by oxidative reforming of hexadecane over Ni and Pt catalysts supported on Ce/La-doped Al2O3. Applied Catalysis A: General, 2006, 297, 60-72.	2.2	110
96	Comparison of alumina- and SBA-15-supported molybdenum nitride catalysts for hydrodeoxygenation of guaiacol. Applied Catalysis A: General, 2012, 435-436, 51-60.	2.2	110
97	A Comparison of the Reactivity of â€œNonequilibratedâ€•and â€œEquilibratedâ€•Vâ€“Pâ€“O Catalysts: Structural Evolution, Surface Characterization, and Reactivity in the Selective Oxidation ofn-Butane andn-Pentane. Journal of Catalysis, 1996, 160, 52-64.	3.1	109
98	Metalâ€“support interactions and reactivity of Co/CeO2 catalysts in the Fischerâ€“Tropsch synthesis reaction. Journal of Catalysis, 2005, 234, 451-462.	3.1	109
99	Industrial H2-SCR of NO on a novel Pt/MgOâ€“CeO2 catalyst. Applied Catalysis B: Environmental, 2007, 75, 147-156.	10.8	109
100	Hydrodeoxygenation of 2-methoxyphenol over Mo2N catalysts supported on activated carbons. Catalysis Today, 2011, 172, 232-239.	2.2	109
101	Soybean oil epoxidation with hydrogen peroxide using an amorphous Ti/SiO2catalyst. Green Chemistry, 2004, 6, 330-334.	4.6	108
102	Partial oxidation of methane to syngas over Ni/MgO and Ni/La2O3 catalysts. Applied Catalysis A: General, 2005, 289, 214-223.	2.2	108
103	AuPd alloy formation in Au-Pd/Al2O3 catalysts and its role on aromatics hydrogenation. Applied Surface Science, 2005, 242, 380-391.	3.1	108
104	3D free-standing porous scaffolds made of graphene oxide as substrates for neural cell growth. Journal of Materials Chemistry B, 2014, 2, 5698.	2.9	108
105	Influence of Zn concentration in the activity of Cd1â^'xZnxS solid solutions for water splitting under visible light. Catalysis Today, 2009, 143, 51-56.	2.2	107
106	Crotonaldehyde hydrogenation over bimetallic Ptî—¸Sn catalysts supported on pregraphitized carbon black. Effect of the Sn/Pt atomic ratio. Applied Catalysis A: General, 1996, 136, 231-248.	2.2	105
107	Structural features and performance of LaNi1â^'xRhxO3 system for the dry reforming of methane. Applied Catalysis A: General, 2008, 344, 10-19.	2.2	105
108	Recovery of carbon fibres by the thermolysis and gasification of waste prepreg. Journal of Analytical and Applied Pyrolysis, 2013, 104, 675-683.	2.6	105

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109	Fischerâ€“Tropsch synthesis on mono- and bimetallic Co and Fe catalysts in fixed-bed and slurry reactors. Applied Catalysis A: General, 2007, 326, 65-73.	2.2	103
110	CoMo/Ti-SBA-15 catalysts for dibenzothiophene desulfurization. Catalysis Today, 2007, 127, 70-84.	2.2	103
111	Mechanistic Aspects of the Ethanol Steam Reforming Reaction for Hydrogen Production on Pt, Ni, and PtNi Catalysts Supported on Î³-Al₂O₃. Journal of Physical Chemistry A, 2010, 114, 3873-3882.	1.1	103
112	Effect of Mn loading onto MnFeO nanocomposites for the CO2 hydrogenation reaction. Applied Catalysis B: Environmental, 2015, 165, 651-660.	10.8	103
113	Influence of feed composition on the activity of Mn and PdMn/Al2O3 catalysts for combustion of formaldehyde/methanol. Applied Catalysis B: Environmental, 2005, 57, 191-199.	10.8	101
114	Preparation and characterization of LaMn1$minus;xCUxO3+$lambda; perovskite oxides. Journal of Catalysis, 1990, 124, 41-51.	3.1	100
115	Structural Characteristics and Catalytic Properties of Highly Dispersed ZrO2/SiO2and V2O5/ZrO2/SiO2Catalysts. Langmuir, 1999, 15, 3169-3178.	1.6	100
116	Role of bulk and surface structures of La1â^'xSrxNiO3 perovskite-type oxides in methane combustion. Applied Catalysis B: Environmental, 2001, 33, 45-55.	10.8	100
117	Selective Oxidation of Ethanol to Acetaldehyde on V2O5/TiO2/SiO2Catalysts. Journal of Catalysis, 1997, 171, 1-13.	3.1	99
118	Novel Synthesis Method of CO-Tolerant PtRuâ^'MoO_x Nanoparticles: Structural Characteristics and Performance for Methanol Electrooxidation. Chemistry of Materials, 2008, 20, 4249-4259.	3.2	99
119	Surface behaviour of reduced LaCoO3 as studied by TPD of CO, CO2 and H2 probes and by XPS. Applied Surface Science, 1988, 31, 301-316.	3.1	97
120	Aqueous-phase catalytic oxidation of furfural with H₂O₂: high yield of maleic acid by using titanium silicalite-1. RSC Advances, 2014, 4, 54960-54972.	1.7	97
121	The Partial Oxidation of Methane on MoO3/SiO2 Catalysts: Influence of the Molybdenum Content and Type of Oxidant. Journal of Catalysis, 1993, 142, 406-417.	3.1	96
122	Surface properties and catalytic performance for ethane combustion of La1â^'xKxMnO3+Î´ perovskites. Applied Catalysis A: General, 2001, 207, 17-24.	2.2	96
123	Synthesis of Rh nano-particles by the microemulsion technology. Applied Catalysis A: General, 2004, 274, 33-41.	2.2	96
124	Retention of arsenic and selenium compounds present in coal combustion and gasification flue gases using activated carbons. Fuel Processing Technology, 2007, 88, 799-805.	3.7	96
125	Catalytic and structural properties of co-precipitated Mgâ€“Zr mixed oxides for furfural valorization via aqueous aldol condensation with acetone. Applied Catalysis B: Environmental, 2011, 101, 638-648.	10.8	96
126	Structure and surface properties of ceria-modified Ni-based catalysts for hydrogen production. Applied Catalysis B: Environmental, 2018, 225, 340-353.	10.8	96

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127	Effect of Sb/V Ratio and of Sb + V Coverage on the Molecular Structure and Activity of Alumina-Supported Sbâ€“Vâ€“O Catalysts for the Ammoxidation of Propane to Acrylonitrile. Journal of Catalysis, 2002, 206, 339-348.	3.1	94
128	Tailoring and structure of PtRu nanoparticles supported on functionalized carbon for DMFC applications: New evidence of the hydrous ruthenium oxide phase. Applied Catalysis B: Environmental, 2009, 88, 505-514.	10.8	94
129	Synthesis and Characterization of Zwitterionic SBA-15 Nanostructured Materials. Chemistry of Materials, 2010, 22, 6459-6466.	3.2	94
130	Hydrodeoxygenation of guaiacol over Ni/carbon catalysts: effect of the support and Ni loading. RSC Advances, 2016, 6, 2611-2623.	1.7	94
131	Carbon-supported tungsten and nickel catalysts for hydrodesulfurization and hydrogenation reactions. Applied Catalysis A: General, 2001, 206, 295-307.	2.2	93
132	Performance of La,Ce-modified alumina-supported Pt and Ni catalysts for the oxidative reforming of diesel hydrocarbons. International Journal of Hydrogen Energy, 2008, 33, 652-663.	3.8	93
133	Oxidative reforming of diesel fuel over LaCoO3 perovskite derived catalysts: Influence of perovskite synthesis method on catalyst properties and performance. Applied Catalysis B: Environmental, 2011, 105, 276-288.	10.8	93
134	Immobilization of 12-molybdophosphoric and 12-tungstophosphoric acids on metal-substituted hexagonal mesoporous silica. Applied Catalysis A: General, 2003, 256, 183-197.	2.2	92
135	Novel Znâ€“Ti-based mixed metal oxides for low-temperature adsorption of H2S from industrial gas streams. Applied Catalysis B: Environmental, 2005, 57, 125-137.	10.8	92
136	Ni/Fe electrodes prepared by electrodeposition method over different substrates for oxygen evolution reaction in alkaline medium. International Journal of Hydrogen Energy, 2014, 39, 5204-5212.	3.8	92
137	On the origin of the high performance of MWNT-supported PtPd catalysts for the hydrogenation of aromatics. Carbon, 2006, 44, 84-98.	5.4	90
138	Effect of Ce-doping on Rh/ZrO2 catalysts for partial oxidation of methane. Applied Catalysis A: General, 2007, 326, 8-16.	2.2	90
139	Ni2P and CoP catalysts prepared from phosphite-type precursors for HDSâ€“HDN competitive reactions. Applied Catalysis A: General, 2010, 390, 253-263.	2.2	90
140	Effects of Reaction Temperature and Support Composition on the Mechanism of Waterâ€“Gas Shift Reaction over Supported-Pt Catalysts. Journal of Physical Chemistry C, 2011, 115, 11595-11610.	1.5	90
141	CuOâ€“SiO2 Solâ€“Gel Catalysts: Characterization and Catalytic Properties for NO Reduction. Journal of Catalysis, 1999, 187, 1-14.	3.1	89
142	Silylation and surface properties of chemically grafted hydrophobic silica. Journal of Colloid and Interface Science, 2004, 277, 146-153.	5.0	89
143	TiO2-supported heteropoly acids for low-temperature synthesis of dimethyl ether from methanol. Journal of Catalysis, 2014, 312, 195-203.	3.1	89
144	Effect of support on the surface characteristics of supported molybdena catalysts. Journal of Catalysis, 1990, 122, 113-125.	3.1	87

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145	Sulfonic acid-functionalized silica through quantitative oxidation of thiol groups. Chemical Communications, 2003, , 246-247.	2.2	87
146	Propene epoxidation by nitrous oxide over Auâ€“Cu/TiO2 alloy catalysts. Journal of Molecular Catalysis A, 2007, 274, 159-168.	4.8	87
147	Direct evidence of the SMSI decoration effect: the case of Co/TiO2 catalyst. Chemical Communications, 2011, 47, 7131.	2.2	87
148	Hydrogen production by oxidative ethanol reforming on Co, Ni and Cu ex-hydrotalcite catalysts. International Journal of Hydrogen Energy, 2011, 36, 1512-1523.	3.8	87
149	Phosphateâ€Functionalized Carbon Monoliths from Deep Eutectic Solvents and their Use as Monolithic Electrodes in Supercapacitors. ChemSusChem, 2012, 5, 1405-1409.	3.6	87
150	X-ray Photoelectron Spectroscopic Study of Petroleum Fuel Cokes. Surface and Interface Analysis, 1996, 24, 223-236.	0.8	86
151	Surface properties and performance for VOCs combustion of LaFe1â^'yNiyO3 perovskite oxides. Journal of Solid State Chemistry, 2008, 181, 905-912.	1.4	85
152	Oxidation of furfural in aqueous H2O2 catalysed by titanium silicalite: Deactivation processes and role of extraframework Ti oxides. Applied Catalysis B: Environmental, 2017, 202, 269-280.	10.8	85
153	Surface properties of LaNiO3: Kinetic studies of reduction and of oxygen adsorption. Journal of Catalysis, 1985, 93, 83-91.	3.1	84
154	Thiophene hydrodesulfurization on sulfided Ni, W and NiW/USY zeolite catalysts: effect of the preparation method. Applied Catalysis A: General, 2000, 197, 47-60.	2.2	84
155	Synthesis and Characterization of Ti-HMS and CoMo/Ti-HMS Oxide Materials with Varying Ti Content. Chemistry of Materials, 2005, 17, 4062-4073.	3.2	84
156	Synthesis, Structural Features, and Reactivity of Feâ^'Mn Mixed Oxides Prepared by Microemulsion. Chemistry of Materials, 2006, 18, 2364-2375.	3.2	84
157	Surface properties of Co-precipitated VTiO catalysts and their relation to the selectiveoxidation of isobutene. Applied Catalysis, 1988, 37, 323-338.	1.1	83
158	Hydrodeoxygenation of phenol on bifunctional Ni-based catalysts: Effects of Mo promotion and support. Applied Catalysis B: Environmental, 2018, 238, 147-160.	10.8	83
159	Dehydrogenation of methanol to methyl formate over supported copper catalysts. Applied Catalysis, 1991, 72, 119-137.	1.1	82
160	The effect of calcination temperature on the oxygen storage and release properties of CeO2 and Ceâ€“Zrâ€“O metal oxides modified by phosphorus incorporation. Applied Catalysis B: Environmental, 2005, 59, 13-25.	10.8	81
161	Bimetallic Silica-Supported Catalysts Based on Niâ^'Sn, Pdâ^'Sn, and Ptâ^'Sn as Materials in the CO Oxidation Reaction. Chemistry of Materials, 1998, 10, 1333-1342.	3.2	80
162	Effect of Ru on LaCoO3 perovskite-derived catalyst properties tested in oxidative reforming of diesel. Applied Catalysis B: Environmental, 2007, 73, 247-258.	10.8	80

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163	Functionalization of multi-walled carbon nanotubes and application as supports for electrocatalysts in proton-exchange membrane fuel cell. Applied Catalysis B: Environmental, 2010, 99, 343-352.	10.8	80
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