

Guido Busca

List of Publications by Year in descending order

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513
papers

35,932
citations

2970

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all docs

554
docs citations

554
times ranked

21179
citing authors

#	ARTICLE	IF	CITATIONS
1	A Study of the Pyrolysis Products of Kraft Lignin. <i>Energies</i> , 2022, 15, 991.	1.6	3
2	Kaolinite-based zeolites synthesis and their application in CO ₂ capture processes. <i>Fuel</i> , 2022, 320, 123953.	3.4	15
3	CO ₂ hydrogenation and ethanol steam reforming over Co/SiO ₂ catalysts: Deactivation and selectivity switches. <i>Catalysis Today</i> , 2021, 365, 122-131.	2.2	9
4	Ni/SiO ₂ -Al ₂ O ₃ catalysts for CO ₂ methanation: Effect of La ₂ O ₃ addition. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119697.	10.8	59
5	Improvement of Ni/Al ₂ O ₃ Catalysts for Low-Temperature CO ₂ Methanation by Vanadium and Calcium Oxide Addition. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6554-6564.	1.8	20
6	Production of Gasolines and Monocyclic Aromatic Hydrocarbons: From Fossil Raw Materials to Green Processes. <i>Energies</i> , 2021, 14, 4061.	1.6	26
7	(Bio)Propylene production processes: A critical review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105673.	3.3	44
8	A study of molybdena catalysts in ethanol oxidation. Part 2. Alumina-supported and silica-doped alumina-supported MoO ₃ . <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3304-3315.	1.6	2
9	Modification of the properties of γ -alumina as a support for nickel and molybdate catalysts by addition of silica. <i>Catalysis Today</i> , 2021, 378, 57-64.	2.2	11
10	A study of ethanol dehydrogenation to acetaldehyde over copper/zinc aluminate catalysts. <i>Catalysis Today</i> , 2020, 354, 167-175.	2.2	42
11	Silica-alumina catalytic materials: A critical review. <i>Catalysis Today</i> , 2020, 357, 621-629.	2.2	52
12	Support effects in metal catalysis: a study of the behavior of unsupported and silica-supported cobalt catalysts in the hydrogenation of CO ₂ at atmospheric pressure. <i>Catalysis Today</i> , 2020, 345, 213-219.	2.2	27
13	Reutilization of silicon- and aluminum- containing wastes in the perspective of the preparation of SiO ₂ -Al ₂ O ₃ based porous materials for adsorbents and catalysts. <i>Waste Management</i> , 2020, 103, 146-158.	3.7	39
14	Solid acids, surface acidity and heterogeneous acid catalysis. <i>Advances in Catalysis</i> , 2020, 67, 1-90.	0.1	13
15	Heterogeneous Catalysis in (Bio)Ethanol Conversion to Chemicals and Fuels: Thermodynamics, Catalysis, Reaction Paths, Mechanisms and Product Selectivities. <i>Energies</i> , 2020, 13, 3587.	1.6	20
16	Thermocatalytic Pyrolysis of Exhausted <i>Arthrospira platensis</i> Biomass after Protein or Lipid Recovery. <i>Energies</i> , 2020, 13, 5246.	1.6	6
17	A Study on CO ₂ Methanation and Steam Methane Reforming over Commercial Ni/Calcium Aluminate Catalysts. <i>Energies</i> , 2020, 13, 2792.	1.6	24
18	Modeling of Laboratory Steam Methane Reforming and CO ₂ Methanation Reactors. <i>Energies</i> , 2020, 13, 2624.	1.6	14

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19	Synthesis of high value-added Na ⁺ P1 and Na-FAU zeolites using waste glass from fluorescent tubes and aluminum scraps. Materials Chemistry and Physics, 2020, 248, 122903.	2.0	25
20	A study of ethanol dehydrogenation to acetaldehyde over supported copper catalysts: Catalytic activity, deactivation and regeneration. Applied Catalysis A: General, 2020, 602, 117710.	2.2	28
21	System for ammonia removal from anaerobic digestion and associated ammonium sulfate production: Simulation and design considerations. Chemical Engineering Research and Design, 2020, 144, 133-142.	2.7	10
22	Process of ammonia removal from anaerobic digestion and associated ammonium sulphate production: Pilot plant demonstration. Journal of Environmental Management, 2020, 259, 109841.	3.8	26
23	Production of carbon-based biofuels by pyrolysis of exhausted Arthrospira platensis biomass after protein or lipid recovery. Fuel Processing Technology, 2020, 201, 106336.	3.7	25
24	Graphitic Carbon Nitride ⁺ Nickel Catalyst: From Material Characterization to Efficient Ethanol Electrooxidation. ACS Sustainable Chemistry and Engineering, 2020, 8, 7244-7255.	3.2	38
25	Selective Bioethanol Conversion to Chemicals and Fuels via Advanced Catalytic Approaches. , 2020, , 75-103.		5
26	From Surface Science to Industrial Heterogeneous Catalysis. Springer Handbooks, 2020, , 1087-1115.	0.3	0
27	Chloride-free hydrolytic sol ⁺ gel synthesis of Nb ⁺ P ⁺ Si oxides: an approach to solid acid materials. Green Chemistry, 2020, 22, 7140-7151.	4.6	7
28	Unsupported cobalt nanoparticles as catalysts: Effect of preparation method on catalytic activity in CO ₂ methanation and ethanol steam reforming. International Journal of Hydrogen Energy, 2019, 44, 27319-27328.	3.8	25
29	Assessment through FT-IR of surface acidity and basicity of hydrocalumites by nitrile adsorption. Applied Clay Science, 2019, 180, 105180.	2.6	10
30	Catalytic materials based on silica and alumina: Structural features and generation of surface acidity. Progress in Materials Science, 2019, 104, 215-249.	16.0	68
31	On the Role of Support in Metallic Heterogeneous Catalysis: A Study of Unsupported Nickel ⁺ Cobalt Alloy Nanoparticles in Ethanol Steam Reforming. Catalysis Letters, 2019, 149, 929-941.	1.4	17
32	A study of Ni/La-Al ₂ O ₃ catalysts: A competitive system for CO ₂ methanation. Applied Catalysis B: Environmental, 2019, 248, 286-297.	10.8	142
33	Cobalt nanoparticles mechanically deposited on γ -Al ₂ O ₃ : a competitive catalyst for the production of hydrogen through ethanol steam reforming. Journal of Chemical Technology and Biotechnology, 2019, 94, 538-546.	1.6	20
34	A study of ethanol conversion over zinc aluminate catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2018, 124, 503-522.	0.8	12
35	Characterization of a mesoporous γ -Al ₂ O ₃ catalyst: Influence of their properties on ethanol conversion. Materials Today: Proceedings, 2018, 5, 17515-17524.	0.9	4
36	Ethanol and diethyl ether catalytic conversion over commercial alumina and lanthanum-doped alumina: Reaction paths, catalyst structure and coking. Applied Catalysis B: Environmental, 2018, 236, 490-500.	10.8	42

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37	Surface Characterization of Mesoporous CoOx/SBA-15 Catalyst upon 1,2-Dichloropropane Oxidation. Materials, 2018, 11, 912.	1.3	8
38	Innovative Mesoporous Nanosilicas: SBR Nanocomposite for Low Environmental Impact Tread Tyre. Journal of Nanoscience and Nanotechnology, 2018, 18, 1503-1515.	0.9	2
39	Acidity and basicity of zeolites: A fundamental approach. Microporous and Mesoporous Materials, 2017, 254, 3-16.	2.2	200
40	Adsorption and separation of CO ₂ from N ₂ -rich gas on zeolites: Na-X faujasite vs Na-mordenite. Journal of CO ₂ Utilization, 2017, 19, 266-275.	3.3	28
41	A study of Cu-SAPO-34 catalysts for SCR of NO _x by ammonia. Microporous and Mesoporous Materials, 2017, 241, 258-265.	2.2	23
42	γ-Alumina and Amorphous Silica—Alumina: Structural Features, Acid Sites and the Role of Adsorbed Water. Topics in Catalysis, 2017, 60, 1554-1564.	1.3	35
43	Removal of VOCs by catalytic process. A study of MnZnO composites synthesized from waste alkaline and Zn/C batteries. Chemical Engineering Journal, 2017, 313, 1099-1111.	6.6	46
44	Acido-basicity of lanthana/alumina catalysts and their activity in ethanol conversion. Applied Catalysis B: Environmental, 2017, 200, 458-468.	10.8	45
45	Oxidation of chlorinated alkanes over Co ₃ O ₄ /SBA-15 catalysts. Structural characterization and reaction mechanism. Catalysis Science and Technology, 2016, 6, 5618-5630.	2.1	35
46	Preparation and characterization of mesoporous nanocrystalline La-, Ce-, Zr-, Sr-containing Ni/Al ₂ O ₃ methane autothermal reforming catalysts. International Journal of Hydrogen Energy, 2016, 41, 8855-8862.	3.8	52
47	Steam reforming of biomass-derived organics: Interactions of different mixture components on Ni/Al ₂ O ₃ based catalysts. Applied Catalysis B: Environmental, 2016, 187, 386-398.	10.8	47
48	Pyrolysis of grape marc before and after the recovery of polyphenol fraction. Fuel Processing Technology, 2016, 153, 121-128.	3.7	24
49	On the detectability limits of nickel species on NiO/γ-Al ₂ O ₃ catalytic materials. Applied Catalysis A: General, 2016, 525, 180-189.	2.2	35
50	Methanation of carbon dioxide on Ru/Al ₂ O ₃ : Catalytic activity and infrared study. Catalysis Today, 2016, 277, 21-28.	2.2	94
51	Facile synthesis of a mesoporous alumina and its application as a support of Ni-based autothermal reforming catalysts. International Journal of Hydrogen Energy, 2016, 41, 3456-3464.	3.8	68
52	CO ₂ capture by functionalized alumina sorbents: DiEthanolAmine on γ-alumina. Microporous and Mesoporous Materials, 2016, 226, 444-453.	2.2	21
53	Low-Temperature Dehydrogenation of Ethanol on Atomically Dispersed Gold Supported on ZnZrO _x . ACS Catalysis, 2016, 6, 210-218.	5.5	89
54	Hydrogen from steam reforming of ethanol over cobalt nanoparticles: Effect of boron impurities. Applied Catalysis A: General, 2016, 518, 67-77.	2.2	21

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55	Deoxygenation of waste cooking oil and non-edible oil for the production of liquid hydrocarbon biofuels. Waste Management, 2016, 47, 62-68.	3.7	73
56	Dehydration of ethanol over zeolites, silica alumina and alumina: Lewis acidity, Brønsted acidity and confinement effects. Applied Catalysis A: General, 2015, 493, 77-89.	2.2	175
57	A study of Ni/Al ₂ O ₃ and Ni-La/Al ₂ O ₃ catalysts for the steam reforming of ethanol and phenol. Applied Catalysis B: Environmental, 2015, 174-175, 21-34.	10.8	104
58	Preparation of supported catalysts: A study of the effect of small amounts of silica on Ni/Al ₂ O ₃ catalysts. Applied Catalysis A: General, 2015, 505, 86-97.	2.2	34
59	NbP catalyst for furfural production: FT IR studies of surface properties. Applied Catalysis A: General, 2015, 502, 388-398.	2.2	32
60	Pure vs ultra-pure γ -alumina: A spectroscopic study and catalysis of ethanol conversion. Catalysis Communications, 2015, 70, 77-81.	1.6	22
61	Methanation of carbon dioxide on Ru/Al ₂ O ₃ and Ni/Al ₂ O ₃ catalysts at atmospheric pressure: Catalysts activation, behaviour and stability. International Journal of Hydrogen Energy, 2015, 40, 9171-9182.	3.8	179
62	Ceria-zirconia based catalysts for ethanol steam reforming. Fuel, 2015, 153, 166-175.	3.4	66
63	Preliminary experimental study on biofuel production by deoxygenation of Jatropha oil. Fuel Processing Technology, 2015, 137, 31-37.	3.7	32
64	Ethanol dehydration on silica-aluminas: Active sites and ethylene/diethyl ether selectivities. Catalysis Communications, 2015, 68, 110-115.	1.6	82
65	Diethyl ether cracking and ethanol dehydration: Acid catalysis and reaction paths. Chemical Engineering Journal, 2015, 272, 92-101.	6.6	129
66	Tuning of product selectivity in the conversion of ethanol to hydrocarbons over H-ZSM-5 based zeolite catalysts. Fuel Processing Technology, 2015, 137, 290-297.	3.7	47
67	Catalytic pyrolysis of vegetable oils to biofuels: Catalyst functionalities and the role of ketonization on the oxygenate paths. Fuel Processing Technology, 2015, 140, 119-124.	3.7	46
68	On the role of triethylene glycol in the preparation of highly active Ni-Mo/Al ₂ O ₃ hydrodesulfurization catalysts: A spectroscopic study. Applied Catalysis B: Environmental, 2015, 166-167, 560-567.	10.8	12
69	Conversion of ethanol over transition metal oxide catalysts: Effect of tungsta addition on catalytic behaviour of titania and zirconia. Applied Catalysis A: General, 2015, 489, 180-187.	2.2	66
70	On the Lewis acidity of protonic zeolites. Applied Catalysis A: General, 2015, 504, 151-157.	2.2	50
71	Infrared Spectroscopy in Oxidation Catalysis. , 2014, , 447-495.		1
72	Heterogeneous Catalysts and Biomass Conversion. , 2014, , 429-446.		4

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73	Catalysts for Hydrogenations, Dehydrogenations and Metathesis. , 2014, , 345-374.		6
74	Zeolites and Other Structurally Microporous Solids as Acid-Base Materials. , 2014, , 197-249.		8
75	Metal Catalysts for Hydrogenations and Dehydrogenations. , 2014, , 297-343.		11
76	Other Solid Acid and Basic Catalytic Materials. , 2014, , 251-296.		1
77	Structural, Surface, and Catalytic Properties of Aluminas. Advances in Catalysis, 2014, 57, 319-404.	0.1	69
78	Acid and Basic Catalysts: Fundamentals. , 2014, , 57-101.		3
79	A study of commercial transition aluminas and of their catalytic activity in the dehydration of ethanol. Journal of Catalysis, 2014, 311, 102-113.	3.1	171
80	Steam reforming of ethanol-phenol mixture on Ni/Al ₂ O ₃ : Effect of magnesium and boron on catalytic activity in the presence and absence of sulphur. Applied Catalysis B: Environmental, 2014, 147, 813-826.	10.8	46
81	The surface of transitional aluminas: A critical review. Catalysis Today, 2014, 226, 2-13.	2.2	286
82	Unsupported versus alumina-supported Ni nanoparticles as catalysts for steam/ethanol conversion and CO ₂ methanation. Journal of Molecular Catalysis A, 2014, 383-384, 10-16.	4.8	52
83	Catalytic conversion of ethyl acetate over faujasite zeolites. Applied Catalysis A: General, 2014, 470, 72-80.	2.2	46
84	Oxidation Catalysts. , 2014, , 375-419.		1
85	Surface and catalytic properties of some γ -Al ₂ O ₃ powders. Applied Catalysis A: General, 2014, 483, 41-51.	2.2	67
86	The state of nickel in spent Fluid Catalytic Cracking catalysts. Applied Catalysis A: General, 2014, 486, 176-186.	2.2	53
87	A study of the methanation of carbon dioxide on Ni/Al ₂ O ₃ catalysts at atmospheric pressure. International Journal of Hydrogen Energy, 2014, 39, 11557-11565.	3.8	225
88	Metal Oxides as Acid-Base Catalytic Materials. , 2014, , 103-195.		7
89	On the consistency of results arising from different techniques concerning the nature of supported metal oxide (nano)particles. The case of NiO/Al ₂ O ₃ . Catalysis Communications, 2014, 51, 37-41.	1.6	28
90	On the activity and stability of Pt-K/Al ₂ O ₃ LNT catalysts for diesel soot and NO _x abatement. Applied Catalysis B: Environmental, 2014, 144, 783-791.	10.8	32

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91	Gas-phase dehydration of glycerol to acrolein over Al ₂ O ₃ -, SiO ₂ -, and TiO ₂ -supported Nb- and W-oxide catalysts. <i>Journal of Catalysis</i> , 2013, 307, 170-184.	3.1	94
92	Effect of Soot During Operation of a Pt-K/Al ₂ O ₃ LNT Catalyst. <i>Topics in Catalysis</i> , 2013, 56, 477-482.	1.3	8
93	Catalytic conversion of ethyl acetate and acetic acid on alumina as models of vegetable oils conversion to biofuels. <i>Chemical Engineering Journal</i> , 2013, 215-216, 838-848.	6.6	38
94	Performance of ZrO ₂ -supported Nb- and W-oxide in the gas-phase dehydration of glycerol to acrolein. <i>Journal of Catalysis</i> , 2013, 297, 93-109.	3.1	99
95	Insights into the deactivation and reactivation of Ru/TiO ₂ during Fischer-Tropsch synthesis. <i>Catalysis Today</i> , 2013, 214, 2-11.	2.2	33
96	Spectroscopic characterization of Ni/Al ₂ O ₃ catalytic materials for the steam reforming of renewables. <i>Applied Catalysis A: General</i> , 2013, 452, 163-173.	2.2	57
97	Steam reforming of ethanol-phenol mixture on Ni/Al ₂ O ₃ : Effect of Ni loading and sulphur deactivation. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 460-472.	10.8	52
98	A study of the deactivation of low loading Ni/Al ₂ O ₃ steam reforming catalyst by tetrahydrothiophene. <i>Catalysis Communications</i> , 2013, 38, 67-73.	1.6	14
99	Supported W ₂ O ₃ -based catalysts for methanol dehydration to dimethyl ether. <i>Fuel</i> , 2013, 113, 1-9.	3.4	41
100	HDS and HDN on SBA-supported RuS ₂ catalysts promoted by Pt and Ir. <i>Journal of Catalysis</i> , 2013, 305, 101-117.	3.1	47
101	Cobalt-based nanoparticles as catalysts for low temperature hydrogen production by ethanol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 82-91.	3.8	64
102	In Situ DRIFTS-MS Study of the Anaerobic Oxidation of Ethanol over Spinel Mixed Oxides. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23908-23918.	1.5	74
103	K-doping of Co/Al ₂ O ₃ low temperature Fischer-Tropsch catalysts. <i>Catalysis Today</i> , 2012, 197, 101-108.	2.2	23
104	Dependence of surface properties of silylated silica on the length of silane arms. <i>Adsorption</i> , 2012, 18, 307-320.	1.4	16
105	Medium-temperature conversion of biomass and wastes into liquid products, a review. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 6455-6475.	8.2	54
106	Infrared studies of CO oxidation by oxygen and by water over Pt/Al ₂ O ₃ and Pd/Al ₂ O ₃ catalysts. <i>Applied Catalysis B: Environmental</i> , 2012, 113-114, 172-179.	10.8	48
107	Steam reforming of phenol-ethanol mixture over 5% Ni/Al ₂ O ₃ . <i>Applied Catalysis B: Environmental</i> , 2012, 113-114, 281-289.	10.8	32
108	Location and Accessibility of Hydroxy Groups in Silico-aluminate Porous Materials as Studied by IR Spectroscopy. <i>Current Physical Chemistry</i> , 2012, 2, 136-150.	0.1	11

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109	Infrared Spectroscopy of Heterogeneous Catalysts: Acidity and Accessibility of Acid Sites of Faujasite-Type Solid Acids. Journal of Physical Chemistry C, 2011, 115, 937-943.	1.5	46
110	Solid-State NMR Characterization of the Insertion of Cobalt into Aluminosilicate Materials. Journal of Physical Chemistry C, 2011, 115, 10569-10575.	1.5	6
111	Support effects on the structure and performance of ruthenium catalysts for the Fischerâ€Tropsch synthesis. Catalysis Science and Technology, 2011, 1, 1013.	2.1	46
112	A study on catalytic combustion of chlorobenzenes. Catalysis Today, 2011, 169, 3-9.	2.2	48
113	FT-IR study of the surface redox states on platinum-potassium-alumina catalysts. Applied Catalysis B: Environmental, 2011, 105, 15-23.	10.8	30
114	CO2 separation and landfill biogas upgrading: A comparison of 4A and 13X zeolite adsorbents. Energy, 2011, 36, 314-319.	4.5	114
115	Basic catalysis and catalysis assisted by basicity: FT-IR and TPD characterization of potassium-doped alumina. Applied Catalysis A: General, 2011, 400, 61-69.	2.2	99
116	Zincâ€aluminum hydrotalcites as precursors of basic catalysts: Preparation, characterization and study of the activation of methanol. Catalysis Today, 2010, 152, 104-109.	2.2	66
117	Purification of landfill biogases from siloxanes by adsorption: A study of silica and 13X zeolite adsorbents on hexamethylcyclotrisiloxane separation. Chemical Engineering Journal, 2010, 165, 859-863.	6.6	49
118	Characterization of alumina-supported Pt, Ni and PtNi alloy catalysts for the dry reforming of methane. Journal of Catalysis, 2010, 274, 11-20.	3.1	199
119	Activation process of Pd/Al2O3 catalysts for CH4 combustion by reduction/oxidation cycles in CH4-containing atmosphere. Journal of Catalysis, 2010, 275, 218-227.	3.1	43
120	Characterization of alumina- and niobia-supported gold catalysts used for oxidation of glycerol. Applied Catalysis A: General, 2010, 384, 70-77.	2.2	42
121	Nickel versus cobalt catalysts for hydrogen production by ethanol steam reforming: Niâ€Coâ€Znâ€Al catalysts from hydrotalcite-like precursors. International Journal of Hydrogen Energy, 2010, 35, 5356-5366.	3.8	125
122	Study of sulfur poisoning on Pd/Al2O3 and Pd/CeO2/Al2O3 methane combustion catalysts. Catalysis Today, 2010, 155, 59-65.	2.2	45
123	Ageing mechanisms on PdOx-based catalysts for natural gas combustion in premixed burners. Chemical Engineering Science, 2010, 65, 186-192.	1.9	10
124	Catalysis by acids and bases: New materials and surface studies. Catalysis Today, 2010, 152, 1.	2.2	3
125	Ni-Co-Zn-Al Catalysts From Hydrotalcite-Like Precursors for Hydrogen Production by Ethanol Steam Reforming. , 2010, , .		1
126	Bulk and surface properties of commercial kaolins. Applied Clay Science, 2010, 48, 446-454.	2.6	92

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127	Bases and Basic Materials in Chemical and Environmental Processes. Liquid versus Solid Basicity. Chemical Reviews, 2010, 110, 2217-2249.	23.0	182
128	Surface and structural characterization of ZrO ₂ -CeO ₂ -supported molybdenum oxide catalysts. Materials Chemistry and Physics, 2009, 114, 848-853.	2.0	5
129	Surface chemistry and reactivity of ceria-zirconia-supported palladium oxide catalysts for natural gas combustion. Journal of Catalysis, 2009, 263, 134-145.	3.1	86
130	Exploring, Tuning, and Exploiting the Basicity of Hydrotalcites for Applications in Heterogeneous Catalysis. Chemistry - A European Journal, 2009, 15, 3920-3935.	1.7	450
131	Hydrogen from alcohols: IR and flow reactor studies. Catalysis Today, 2009, 143, 2-8.	2.2	41
132	Effect of S-compounds on Pd over LaMnO ₃ -ZrO ₂ and CeO ₂ -ZrO ₂ catalysts for CH ₄ combustion. Catalysis Today, 2009, 143, 86-93.	2.2	29
133	Reaction path of ethanol and acetic acid steam reforming over Ni-Zn-Al catalysts. Flow reactor studies. Chemical Engineering Journal, 2009, 153, 43-49.	6.6	47
134	An FT-IR study of the adsorption and reactivity of tert-butyl hydroperoxide over oxide catalysts. Applied Catalysis A: General, 2009, 369, 27-35.	2.2	27
135	An FTIR study of the dispersed Ni species on Ni-YSZ catalysts. Applied Catalysis A: General, 2009, 353, 137-143.	2.2	32
136	Hydrogen production by ethanol steam reforming over Ni catalysts derived from hydrotalcite-like precursors: Catalyst characterization, catalytic activity and reaction path. Applied Catalysis A: General, 2009, 355, 83-93.	2.2	127
137	Catalytic activity and long-term stability of palladium oxide catalysts for natural gas combustion: Pd supported on LaMnO ₃ -ZrO ₂ . Applied Catalysis B: Environmental, 2009, 92, 285-293.	10.8	21
138	Purification of Biogases from Siloxanes by Adsorption: On the Regenerability of Activated Carbon Sorbents. Energy & Fuels, 2009, 23, 4156-4159.	2.5	74
139	Bases and Basic Materials in Industrial and Environmental Chemistry: A Review of Commercial Processes. Industrial & Engineering Chemistry Research, 2009, 48, 6486-6511.	1.8	59
140	Characterization of a ceria-zirconia-supported Cu oxides catalyst: An FT-IR study on the catalytic oxidation of propylene. Catalysis Communications, 2009, 10, 861-864.	1.6	19
141	Oxidation of benzothiophene by tert-butyl hydroperoxide over vanadia-alumina catalyst: An FT-IR study at the vapour-solid interface. Catalysis Communications, 2009, 10, 1629-1632.	1.6	9
142	A study of a ceria-zirconia-supported manganese oxide catalyst for combustion of Diesel soot particles. Combustion and Flame, 2008, 115, 97-104.	2.8	60
143	Technologies for the removal of phenol from fluid streams: A short review of recent developments. Journal of Hazardous Materials, 2008, 160, 265-288.	6.5	1,057
144	One-step synthesis of a structurally organized mesoporous CuO-CeO ₂ -Al ₂ O ₃ system for the preferential CO oxidation. Applied Catalysis A: General, 2008, 335, 46-55.	2.2	88

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145	Pt-Ba-Al ₂ O ₃ for NO _x storage and reduction: Characterization of the dispersed species. Applied Catalysis B: Environmental, 2008, 80, 214-225.	10.8	39
146	Catalytic wet oxidation of phenol over lanthanum strontium manganite. Applied Catalysis B: Environmental, 2008, 84, 678-683.	10.8	23
147	Removal and recovery of nitriles from gaseous streams: An IR study of acetonitrile adsorption on and desorption from inorganic solids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 320, 205-212.	2.3	24
148	On the mechanism of adsorption and separation of CO ₂ on LTA zeolites: An IR investigation. Vibrational Spectroscopy, 2008, 46, 45-51.	1.2	145
149	Catalytic combustion of ethanol on pure and alumina supported K-Mn oxides: An IR and flow reactor study. Applied Catalysis B: Environmental, 2008, 78, 73-79.	10.8	51
150	Yttria-stabilized zirconia (YSZ) supported Ni-Co alloys (precursor of SOFC anodes) as catalysts for the steam reforming of ethanol. International Journal of Hydrogen Energy, 2008, 33, 3728-3735.	3.8	98
151	Adsorption of CO on LTA zeolite adsorbents: An IR investigation. Microporous and Mesoporous Materials, 2008, 109, 216-222.	2.2	40
152	Decomposition of hexamethylcyclotrisiloxane over solid oxides. Chemosphere, 2008, 72, 1659-1663.	4.2	54
153	A Study of the Nature, Strength, and Accessibility of Acid Sites of H-MCM-22 Zeolite. Journal of Physical Chemistry C, 2008, 112, 9023-9033.	1.5	30
154	Acid Catalysts in Industrial Hydrocarbon Chemistry. Chemical Reviews, 2007, 107, 5366-5410.	23.0	581
155	Influence of the Silane Modifiers on the Surface Thermodynamic Characteristics and Dispersion of the Silica into Elastomer Compounds. Journal of Physical Chemistry B, 2007, 111, 4495-4502.	1.2	77
156	State of Supported Rhodium Nanoparticles for Methane Catalytic Partial Oxidation (CPO): FT-IR Studies. Langmuir, 2007, 23, 10419-10428.	1.6	38
157	Adsorption of Trimethoxysilane and of 3-Mercaptopropyltrimethoxysilane on Silica and on Silicon Wafers from Vapor Phase: An IR Study. Langmuir, 2007, 23, 2505-2509.	1.6	53
158	An IR study of the chemistry of triethoxysilane at the surface of metal oxides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 294, 181-190.	2.3	10
159	On the mechanisms and the selectivity determining steps in syngas conversion over supported metal catalysts: An IR study. Applied Catalysis A: General, 2007, 316, 68-74.	2.2	82
160	Searching for the active sites of Co-H-MFI catalyst for the selective catalytic reduction of NO by methane: A FT-IR in situ and operando study. Applied Catalysis B: Environmental, 2007, 71, 216-222.	10.8	58
161	An IR study of thermally stable V ₂ O ₅ -WO ₃ -TiO ₂ SCR catalysts modified with silica and rare-earth (Ce, Y). Applied Catalysis B: Environmental, 2007, 71, 216-222.	10.8	58
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