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List of Publications by Year
in descending order

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131 papers	9,371 citations	38720 50 h-index	38368 95 g-index
134 all docs	134 docs citations	134 times ranked	7056 citing authors

#	Article	IF	Citations
1	Nickel Catalysts for C1 Reactions: Recollections from a Career in Heterogeneous Catalysis. Topics in Catalysis, 2021, 64, 896-906.	1.3	1
2	Towards Sustainable Production of Formic Acid. ChemSusChem, 2018, 11, 821-836.	3.6	257
3	Heterogeneous catalysts for hydrogenation of CO₂ and bicarbonates to formic acid and formates. Catalysis Reviews - Science and Engineering, 2018, 60, 566-593.	5.7	113
4	Formic acid decomposition over palladium based catalysts doped by potassium carbonate. Catalysis Today, 2016, 259, 453-459.	2.2	38
5	Hydrogen production from formic acid vapour over a Pd/C catalyst promoted by potassium salts: Evidence for participation of buffer-like solution in the pores of the catalyst. Applied Catalysis B: Environmental, 2014, 160-161, 35-43.	10.8	67
6	Pt nanoclusters stabilized by N-doped carbon nanofibers for hydrogen production from formic acid. Journal of Catalysis, 2013, 307, 94-102.	3.1	126
7	Potassium-Doped Niâ€“MgOâ€“ZrO2 Catalysts for Dry Reforming of Methane to Synthesis Gas. Topics in Catalysis, 2013, 56, 1686-1694.	1.3	10
8	Supported Pd Catalysts Prepared via Colloidal Method: The Effect of Acids. ACS Catalysis, 2013, 3, 2341-2352.	5.5	43
9	Vapour phase formic acid decomposition over PdAu/Î³-Al2O3 catalysts: Effect of composition of metallic particles. Journal of Catalysis, 2013, 299, 171-180.	3.1	45
10	Improved hydrogen production from formic acid on a Pd/C catalyst doped by potassium. Chemical Communications, 2012, 48, 4184.	2.2	102
11	The effect of potassium on the activity and stability of Niâ€“MgOâ€“ZrO2 catalysts for the dry reforming of methane to give synthesis gas. Catalysis Today, 2011, 178, 132-136.	2.2	59
12	Vapour phase hydrogenation of olefins by formic acid over a Pd/C catalyst. Catalysis Today, 2011, 163, 42-46.	2.2	56
13	Catalysis for conversion of biomass to fuels via pyrolysis and gasification: A review. Catalysis Today, 2011, 171, 1-13.	2.2	526
14	Transformation of CH4 and liquid fuels into syngas on monolithic catalysts. Fuel, 2010, 89, 1230-1240.	3.4	36
15	Hydrogen from formic acid decomposition over Pd and Au catalysts. Catalysis Today, 2010, 154, 7-12.	2.2	206
16	Nanocomposite catalysts for internal steam reforming of methane and biofuels in solid oxide fuel cells: Design and performance. Catalysis Today, 2009, 146, 132-140.	2.2	36
17	The use of copper catalysts for the selective reduction of NO with methanol. Catalysis Today, 2008, 137, 146-156.	2.2	4
18	Pt-Supported Nanocrystalline Ceria-Zirconia Doped with La, Pr or Gd: Factors Controlling Syngas Generation in Partial Oxidation/Autothermal Reforming of Methane or Oxygenates. Solid State Phenomena, 2007, 128, 239-248.	0.3	30

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19	The preparation and properties of coprecipitated Cuâ€“Zrâ€“Y and Cuâ€“Zrâ€“La catalysts used for the steam reforming of methanol. Catalysis Today, 2007, 127, 291-294.	2.2	45
20	Transient studies of carbon dioxide reforming of methane over Pt/ZrO2 and Pt/Al2O3. Catalysis Today, 2006, 115, 191-198.	2.2	85
21	The synthesis by depositionâ€“precipitation of porous Î³-alumina catalyst supports on glass substrates compatible with microreactor geometries. Catalysis Today, 2005, 110, 53-57.	2.2	11
22	Natural gas reforming and CO2 mitigation. Catalysis Today, 2005, 100, 151-158.	2.2	192
23	Title is missing!. Kinetics and Catalysis, 2003, 44, 379-400.	0.3	46
24	A modified robotic system for catalyst preparation by wet or dry impregnation. Catalysis Today, 2003, 81, 369-375.	2.2	9
25	Catalytic conditioning of organic volatile products produced by peat pyrolysis. Biomass and Bioenergy, 2002, 23, 209-216.	2.9	28
26	The CO2 reforming of the hydrocarbons present in a model gas stream over selected catalysts. Fuel Processing Technology, 2002, 75, 45-53.	3.7	28
27	Title is missing!. Catalysis Letters, 2002, 78, 111-114.	1.4	14
28	Title is missing!. Catalysis Letters, 2002, 80, 123-128.	1.4	54
29	Investigation of nickel supported catalysts for the upgrading of brown peat derived gasification products. Bioresource Technology, 2001, 80, 111-116.	4.8	37
30	Catalytic oxidation of butane to maleic anhydride enhanced yields in the presence of CO2 in the reactor feed. Applied Catalysis A: General, 2001, 210, 271-274.	2.2	25
31	Supported CuO+Ag/Partially Stabilized Zirconia Catalysts for the Selective Catalytic Reduction of NOx under Lean Burn Conditions. Journal of Catalysis, 2001, 200, 117-130.	3.1	31
32	Supported CuO+Ag/Partially Stabilized Zirconia Catalysts for the Selective Catalytic Reduction of NOx under Lean Burn Conditions. Journal of Catalysis, 2001, 200, 131-139.	3.1	10
33	Differences in the Reactivity of Organo-Nitro and Nitrito Compounds over Al2O3-Based Catalysts Active for the Selective Reduction of NOx. Journal of Catalysis, 2001, 202, 340-353.	3.1	62
34	Title is missing!. Topics in Catalysis, 2001, 16/17, 193-197.	1.3	29
35	Kinetic Study of CO2 Reforming of Propane over Ru/Al2O3. Catalysis Letters, 2001, 75, 175-181.	1.4	20
36	Review of literature on catalysts for biomass gasification. Fuel Processing Technology, 2001, 73, 155-173.	3.7	1,053

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37	Effect of the silver loading and some other experimental parameters on the selective reduction of NO with C3H6 over Al2O3 and ZrO2-based catalysts. Applied Catalysis B: Environmental, 2001, 30, 163-172.	10.8	73
38	Mechanistic differences in the selective reduction of NO by propene over cobalt- and silver-promoted alumina catalysts: kinetic and in situ DRIFTS study. Catalysis Today, 2000, 59, 287-304.	2.2	167
39	Effect of ex situ treatments with SO2 on the activity of a low loading silverâ€“alumina catalyst for the selective reduction of NO and NO2 by propene. Applied Catalysis B: Environmental, 2000, 24, 23-32.	10.8	99
40	Methanol reforming for fuel-cell applications: development of zirconia-containing Cuâ€“Znâ€“Al catalysts. Catalysis Today, 1999, 51, 521-533.	2.2	392
41	Mechanistic Aspects of the Selective Reduction of NO by Propene over Alumina and Silverâ€“Alumina Catalysts. Journal of Catalysis, 1999, 187, 493-505.	3.1	341
42	Title is missing!. Journal of Porous Materials, 1999, 6, 69-76.	1.3	5
43	New insights into the origin of NO2 in the mechanism of the selective catalytic reduction of NO by propene over alumina. Chemical Communications, 1999, , 259-260.	2.2	19
44	Mechanistic aspects of the steam reforming of methanol over a CuO/ZnO/ZrO2/Al2O3 catalyst. Chemical Communications, 1999, , 2247-2248.	2.2	66
45	Possible intermediates in the selective catalytic reduction of NOx: differences in the reactivity of nitro-compounds and tert-butyl nitrite over Î³-Al2O3. Chemical Communications, 1999, , 815-816.	2.2	15
46	Preparation and characterization of lanthanum zirconate. Journal of Materials Science, 1998, 33, 4517-4523.	1.7	51
47	Syngas production from natural gas using ZrO2-supported metals. Catalysis Today, 1998, 42, 225-232.	2.2	152
48	The effect of O2 addition on the carbon dioxide reforming of methane over Pt/ZrO2 catalysts. Catalysis Today, 1998, 46, 203-210.	2.2	139
49	An In-situ DRIFTS Study of the Mechanism of the CO2 Reforming of CH4 over a Pt/ZrO2 Catalyst. Studies in Surface Science and Catalysis, 1998, 119, 819-824.	1.5	46
50	The development of platinum-zirconia catalysts for the CO2 reforming of methane. Studies in Surface Science and Catalysis, 1997, 107, 537-546.	1.5	37
51	Water gas shift membrane reactor for CO2 control in IGCC systems: techno-economic feasibility study. Energy Conversion and Management, 1997, 38, S159-S164.	4.4	102
52	TAP Investigations of the CO2Reforming of CH4over Pt/ZrO2. Journal of Catalysis, 1997, 166, 306-314.	3.1	112
53	The development of supported vanadia catalysts for the combined catalytic removal of the oxides of nitrogen and of chlorinated hydrocarbons from flue gases. Catalysis Today, 1997, 35, 97-105.	2.2	84
54	Oxidative dehydrogenation of propane over molybdenum-containing catalysts. Catalysis Today, 1997, 37, 33-42.	2.2	62

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55	Roles of supports, Pt loading and Pt dispersion in the oxidation of NO to NO2 and of SO2 to SO3. Applied Catalysis B: Environmental, 1996, 11, 65-79.	10.8	186
56	Water-gas shift conversion using a feed with a low steam to carbon monoxide ratio and containing sulphur. Catalysis Today, 1996, 30, 107-118.	2.2	125
57	The catalytic conversion of natural gas to useful products. Catalysis Today, 1996, 30, 193-199.	2.2	224
58	Nickel catalysts for internal reforming in molten carbonate fuel cells. Applied Catalysis A: General, 1996, 143, 343-365.	2.2	36
59	Investigation of Alkali Carbonate Transport Toward the Catalyst in Internal Reforming MCFCs. Journal of the Electrochemical Society, 1996, 143, 3186-3191.	1.3	10
60	Kinetic studies of oxidative coupling of methane on samarium oxide. Catalysis Today, 1995, 24, 285-287.	2.2	12
61	Catalysis with membranes or catalytic membranes?. Catalysis Today, 1995, 25, 291-301.	2.2	20
62	The synthesis of alcohols using Cu/ZnO/A12O3 + (Ce or Mn) catalysts. Topics in Catalysis, 1995, 2, 79-89.	1.3	9
63	A Low-Energy Ion Scattering (LEIS) Study of the Influence of the Vanadium Concentration on the Activity of Vanadium-Niobium Oxide Catalysts for the Oxidative Dehydrogenation of Propane. Journal of Catalysis, 1995, 157, 584-591.	3.1	42
64	Investigation of V2O5/Nb2O5 Catalysts by 51V Solid-State NMR. The Journal of Physical Chemistry, 1995, 99, 9169-9175.	2.9	34
65	Oxidative coupling of methane over K/Ni/Ca oxide and K/Ni/Mg oxide catalysts. Catalysis Today, 1994, 21, 401-408.	2.2	1
66	Oxidative coupling of methane over doped Li/MgO catalysts. Catalysis Today, 1994, 21, 333-340.	2.2	10
67	Development and screening of selective catalysts for the synthesis of clean liquid fuels. International Journal of Energy Research, 1994, 18, 185-196.	2.2	9
68	Stable Nickel-Containing Catalysts for the Oxidative Coupling of Methane. Journal of Catalysis, 1994, 145, 402-408.	3.1	58
69	The use of niobia in oxidation catalysis. Catalysis Today, 1993, 16, 503-511.	2.2	46
70	The oxidative coupling of methane and the oxidative dehydrogenation of ethane over a niobium promoted lithium doped magnesium oxide catalyst. Catalysis Today, 1993, 16, 537-546.	2.2	18
71	The selective reduction of NOx with NH3 over zirconia-supported vanadia catalysts. Catalysis Today, 1993, 16, 237-245.	2.2	20
72	Influence of preparation method on the performance of vanadia-niobia catalysts for the oxidative dehydrogenation of propane. Catalysis Today, 1993, 16, 513-523.	2.2	59

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73	Catalytic control of diesel engine particulate emission: Studies on model reactions over a EuroPt-1 (Pt/SiO2) catalyst. Applied Catalysis B: Environmental, 1993, 2, 183-197.	10.8	46
74	The role of tin in Li/Sn/MgO catalysts for the oxidative coupling of methane. Journal of the Chemical Society Chemical Communications, 1992, , 1546.	2.0	19
75	Synthesis and characterization of primary alumina, titania and binary membranes. Journal of Materials Science, 1992, 27, 1023-1035.	1.7	86
76	Influence of ethanol washing of the hydrous precursor on the textural and structural properties of zirconia. Journal of Materials Science, 1992, 27, 4890-4898.	1.7	57
77	TPR and infrared measurements with cu/zno/al2o3 based catalysts for the synthesis of methanol and higher alcohols from co + h2. Catalysis Today, 1992, 12, 481-490.	2.2	13
78	The synthesis of higher alcohols using modified Cu/ZnO/Al2O3 catalysts. Catalysis Today, 1992, 15, 129-148.	2.2	81
79	Nitrogen containing species as intermediates in the oxidation of ammonia over silica supported molybdena catalysts. Applied Catalysis A: General, 1992, 86, 165-179.	2.2	28
80	The effect of addition of a third component on the behaviour of the lithium doped magnesium catalysts for the oxidative dehydrogenation of ethane. Catalysis Today, 1992, 13, 629-634.	2.2	37
81	The kinetic and mechanistic aspects of the oxidative dehydrogenation of ethane over Li/Na/MgO catalysts. Catalysis Today, 1992, 13, 201-208.	2.2	19
82	Zirconia as a support for catalysts Influence of additives on the thermal stability of the porous texture of monoclinic zirconia. Applied Catalysis, 1991, 71, 363-391.	1.1	170
83	The selective oxidative dehydrogenation of propane over niobium pentoxide. Journal of the Chemical Society Chemical Communications, 1991, , 558.	2.0	29
84	TAP reactor investigation of methane coupling over samarium oxide catalysts. Applied Catalysis, 1991, 77, 45-53.	1.1	24
85	Stabilized tetragonal zirconium oxide as a support for catalysts Evolution of the texture and structure on calcination in static air. Applied Catalysis, 1991, 78, 79-96.	1.1	139
86	The Oxidative Coupling of Methane Over Sm2O3 and La2O3. Studies in Surface Science and Catalysis, 1991, , 117-126.	1.5	1
87	Valence states of vanadia-on-titania/silica and molybdena-on-silica catalysts after reduction and oxidation. The Journal of Physical Chemistry, 1990, 94, 8598-8603.	2.9	10
88	Zirconia as a support for catalysts. Applied Catalysis, 1990, 57, 127-148.	1.1	324
89	Oxidative coupling of methane over Ba/CaO catalysts. Applied Catalysis, 1990, 59, 291-309.	1.1	40
90	Lithium chemistry of lithium doped magnesium oxide catalysts used in the oxidative coupling of methane. Applied Catalysis, 1990, 58, 131-146.	1.1	54

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91	Methane activation - a bibliography. Catalysis Today, 1989, 4, 471-494.	2.2	42
92	Effect of additives on lithium doped magnesium oxide catalysts used in the oxidative coupling of methane. Applied Catalysis, 1989, 56, 119-135.	1.1	69
93	Kinetic and mechanistic aspects of the oxidative coupling of methane over a Li/MgO catalyst. Applied Catalysis, 1989, 52, 131-145.	1.1	85
94	Reaction path of the oxidative coupling of methane over a lithium-doped magnesium oxide catalyst. Applied Catalysis, 1989, 52, 147-156.	1.1	37
95	Oxidative coupling of methane over lithium doped magnesium oxide catalysts. Catalysis Today, 1988, 2, 535-545.	2.2	82
96	The interaction between silver and N2O in relation to the oxidative dehydrogenation of methanol. Journal of Catalysis, 1988, 114, 303-312.	3.1	10
97	Studies on the promotion of nickelâ€"alumina coprecipitated catalysts. Applied Catalysis, 1988, 45, 239-256.	1.1	13
98	Studies on the promotion of nickelâ€"alumina coprecipitated catalysts. Applied Catalysis, 1988, 45, 257-280.	1.1	35
99	The influence of water on the oxygenâ€"silver interaction and on the oxidative dehydrogenation of methanol. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 1491.	1.0	8
100	Mechanism of the reaction of nitric oxide, ammonia, and oxygen over vanadia catalysts. I. The role of oxygen studied by way of isotopic transients under dilute conditions. The Journal of Physical Chemistry, 1987, 91, 5921-5927.	2.9	150
101	The silver-oxygen interaction in relation to oxidative dehydrogenation of methanol. Applied Catalysis, 1987, 31, 291-308.	1.1	34
102	Selective oxidation of n-butane to maleic anhydride under oxygen-deficient conditions over V-P-O mixed oxides. Applied Catalysis, 1987, 31, 323-337.	1.1	14
103	The influence of hydrogen treatment and catalyst morphology on the interaction of oxygen with a silver catalyst. Applied Catalysis, 1987, 34, 329-339.	1.1	29
104	Influence of CO2 on the oxidative coupling of methane over a lithium promoted magnesium oxide catalyst. Journal of the Chemical Society Chemical Communications, 1987, , 1433.	2.0	65
105	Mechanism of the reaction of nitric oxide, ammonia, and oxygen over vanadia catalysts. 2. Isotopic transient studies with oxygen-18 and nitrogen-15. The Journal of Physical Chemistry, 1987, 91, 6633-6638.	2.9	107
106	An X-ray photoelectron spectroscopy study of the influence of hydrogen on the oxygenâ€"silver interaction. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 3161.	1.0	6
107	Infrared investigation of the adsorption and reactions of methanol on a vanadium pentoxide/titania catalyst. Langmuir, 1987, 3, 668-673.	1.6	28
108	The effect of Ni-Al ratio on the properties of coprecipitated nickel-alumina catalysts with high nickel contents. Applied Catalysis, 1986, 27, 41-53.	1.1	43

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109	The activity of supported vanadium oxide catalysts for the selective reduction of NO with ammonia. Applied Catalysis, 1986, 25, 239-248.	1.1	100
110	The oxidative dehydrogenation of methanol to formaldehyde over silver catalysts in relation to the oxygen-silver interaction. Applied Catalysis, 1986, 23, 385-402.	1.1	75
111	The preparation and properties of lanthanum-promoted nickel-alumina catalysts: Structure of the precipitates. Solid State Ionics, 1985, 16, 275-282.	1.3	4
112	The effect of lanthanum additives on the catalytic activities of Ni-Al2O3 coprecipitated catalysts for the methanation of carbon monoxide. Journal of Molecular Catalysis, 1984, 25, 253-262.	1.2	30
113	8th International congress on catalysis. Applied Catalysis, 1984, 12, 284.	1.1	12
114	Coprecipitated nickelâ€“alumina catalysts for methanation at high temperature. Part 1.â€”Chemical composition and structure of the precipitates. Journal of the Chemical Society Faraday Transactions I, 1981, 77, 649.	1.0	163
115	Evidence for the participation of surface carbon in the steam reforming of ethane over nickel catalysts. Journal of the Chemical Society Chemical Communications, 1981, , 751.	2.0	3
116	The steam reforming of ethane over nickel/alumina catalysts. Faraday Discussions of the Chemical Society, 1981, 72, 157.	2.2	13
117	Coprecipitated nickelâ€“alumina catalysts for methanation at high temperature. Part 2.â€”Variation of total and metallic areas as a function of sample composition and method of pretreatment. Journal of the Chemical Society Faraday Transactions I, 1981, 77, 665.	1.0	117
118	The effect of sodium on the methanation activity of nickel/alumina coprecipitated catalysts. Applied Catalysis, 1981, 1, 23-29.	1.1	31
119	A modified kinetic expression for the methanation of carbon monoxide over group VIII metal catalysts. Journal of Catalysis, 1981, 71, 205-208.	3.1	12
120	The Critical Surface Tension of Wool. Textile Reseach Journal, 1979, 49, 34-40.	1.1	15
121	An investigation of the mechanism of the hydrodesulfurization of thiophene over sulfided Co$z.sbnd;Mo/Al2O3 catalysts II. The effect of promotion by cobalt on the C$z.sbnd;S bond cleavage and double-bond hydrogenation/dehydrogenation activities of tetrahydrothiophene and related compounds. Journal of Catalysis, 1979, 56, 363-376.	3.1	44
122	Evidence for the participation of surface nickel aluminate sites in the steam reforming of methane over nickel/alumina catalysts. Journal of Catalysis, 1978, 52, 280-290.	3.1	133
123	Effect of temperature of reduction on the activity and selectivity of a coprecipitated Niâ€“Al2O3catalyst for the Fischerâ€“Tropsch and methanation reactions. Journal of the Chemical Society Chemical Communications, 1977, , 734-735.	2.0	20
124	The use of differential scanning calorimetry in catalyst studies. The methanation of carbon monoxide over nickel/alumina catalysts. Journal of Catalysis, 1975, 40, 281-285.	3.1	22
125	Mechanism of the steam reforming of methane over a coprecipitated nickel-alumina catalyst. Journal of the Chemical Society Faraday Transactions I, 1973, 69, 10.	1.0	64
126	Contact angle studies of some low energy polymer surfaces. Journal of the Chemical Society Faraday Transactions I, 1972, 68, 1190.	1.0	37

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127	Chemisorption and decomposition of tetramethylsilane over tungsten and iron surfaces. Journal of the Chemical Society Faraday Transactions I, 1972, 68, 221.	1.0	9
128	Adsorption of neopentane on tungsten and palladium films. Journal of the Chemical Society Faraday Transactions I, 1972, 68, 914.	1.0	4
129	The interaction of tetramethylsilane with an electron-emitting tungsten filament. Challenge, 1970, , 1170.	0.4	0
130	Kinetics f the dissociation of hydrogen sulphide by irn films. Transactions of the Faraday Society, 1966, 62, 2301.	0.9	6
131	Physical adsorption of gases on Pyrex glass Evidence for superactivity. Journal of Catalysis, 1965, 4, 620-624.	3.1	8