

Anker D Jensen

List of Publications by Year in descending order

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239
papers

13,426
citations

25014

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243
all docs

243
docs citations

243
times ranked

10909
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of catalytic upgrading of bio-oil to engine fuels. <i>Applied Catalysis A: General</i> , 2011, 407, 1-19.	2.2	1,414
2	Oxy-fuel combustion of solid fuels. <i>Progress in Energy and Combustion Science</i> , 2010, 36, 581-625.	15.8	940
3	Fuel nitrogen conversion in solid fuel fired systems. <i>Progress in Energy and Combustion Science</i> , 2003, 29, 89-113.	15.8	764
4	Catalytic steam reforming of bio-oil. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 6447-6472.	3.8	349
5	Screening of Catalysts for Hydrodeoxygenation of Phenol as a Model Compound for Bio-oil. <i>ACS Catalysis</i> , 2013, 3, 1774-1785.	5.5	348
6	TG-FTIR Study of the Influence of Potassium Chloride on Wheat Straw Pyrolysis. <i>Energy & Fuels</i> , 1998, 12, 929-938.	2.5	261
7	Mn/TiO ₂ and Mn-Fe/TiO ₂ catalysts synthesized by deposition precipitation promising for selective catalytic reduction of NO with NH ₃ at low temperatures. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 628-635.	10.8	241
8	CO hydrogenation to methanol on Cu-Ni catalysts: Theory and experiment. <i>Journal of Catalysis</i> , 2012, 293, 51-60.	3.1	195
9	Transportation fuels from biomass fast pyrolysis, catalytic hydrodeoxygenation, and catalytic fast hydrolysis. <i>Progress in Energy and Combustion Science</i> , 2018, 68, 268-309.	15.8	194
10	Deactivation of V ₂ O ₅ -WO ₃ -TiO ₂ SCR catalyst at a biomass-fired combined heat and power plant. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 253-264.	10.8	186
11	Review of technologies for mercury removal from flue gas from cement production processes. <i>Progress in Energy and Combustion Science</i> , 2012, 38, 599-629.	15.8	183
12	Numerical modeling of straw combustion in a fixed bed. <i>Fuel</i> , 2005, 84, 389-403.	3.4	181
13	Two-fluid spray atomisation and pneumatic nozzles for fluid bed coating/agglomeration purposes: A review. <i>Chemical Engineering Science</i> , 2008, 63, 3821-3842.	1.9	176
14	Formation of polycyclic aromatic hydrocarbons and soot in fuel-rich oxidation of methane in a laminar flow reactor. <i>Combustion and Flame</i> , 2004, 136, 91-128.	2.8	157
15	Ash transformation during co-firing coal and straw. <i>Fuel</i> , 2007, 86, 1008-1020.	3.4	153
16	Modelling and experiments of straw combustion in a grate furnace. <i>Biomass and Bioenergy</i> , 2000, 19, 199-208.	2.9	143
17	High-temperature entrained flow gasification of biomass. <i>Fuel</i> , 2012, 93, 589-600.	3.4	132
18	Deactivation of V ₂ O ₅ -WO ₃ -TiO ₂ SCR catalyst at biomass fired power plants: Elucidation of mechanisms by lab- and pilot-scale experiments. <i>Applied Catalysis B: Environmental</i> , 2008, 83, 186-194.	10.8	131

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19	Promoted V ₂ O ₅ /TiO ₂ catalysts for selective catalytic reduction of NO with NH ₃ at low temperatures. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 282-290.	10.8	129
20	Influence on nickel particle size on the hydrodeoxygenation of phenol over Ni/SiO ₂ . <i>Catalysis Today</i> , 2016, 259, 277-284.	2.2	126
21	Laboratory Investigation of Selective Catalytic Reduction Catalysts: Deactivation by Potassium Compounds and Catalyst Regeneration. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 941-947.	1.8	120
22	Direct upgrading of fast pyrolysis lignin vapor over the HZSM-5 catalyst. <i>Green Chemistry</i> , 2016, 18, 1965-1975.	4.6	117
23	Effects of H ₂ S and process conditions in the synthesis of mixed alcohols from syngas over alkali promoted cobalt-molybdenum sulfide. <i>Applied Catalysis A: General</i> , 2009, 366, 29-43.	2.2	108
24	Experimental methods and modeling techniques for description of cell population heterogeneity. <i>Biotechnology Advances</i> , 2011, 29, 575-599.	6.0	108
25	A review of the interference of carbon containing fly ash with air entrainment in concrete. <i>Progress in Energy and Combustion Science</i> , 2008, 34, 135-154.	15.8	106
26	Activity and stability of Mo ₂ C/ZrO ₂ as catalyst for hydrodeoxygenation of mixtures of phenol and 1-octanol. <i>Journal of Catalysis</i> , 2015, 328, 208-215.	3.1	100
27	Ketene as a Reaction Intermediate in the Carbonylation of Dimethyl Ether to Methyl Acetate over Mordenite. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7261-7264.	7.2	98
28	The Influence of Inorganic Materials on the Thermal Deactivation of Fuel Chars. <i>Energy & Fuels</i> , 2001, 15, 1110-1122.	2.5	97
29	Reversible and irreversible deactivation of Cu-CHA NH ₃ -SCR catalysts by SO ₂ and SO ₃ . <i>Applied Catalysis B: Environmental</i> , 2018, 226, 38-45.	10.8	97
30	Ammonia conversion and NO _x formation in laminar coflowing nonpremixed methane-air flames. <i>Combustion and Flame</i> , 2002, 131, 285-298.	2.8	95
31	Influence of fast pyrolysis conditions on yield and structural transformation of biomass chars. <i>Fuel Processing Technology</i> , 2015, 140, 205-214.	3.7	94
32	Solvent optimization for efficient enzymatic monoacylglycerol production based on a glycerolysis reaction. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2005, 82, 559-564.	0.8	93
33	Biomass Gasification Behavior in an Entrained Flow Reactor: Gas Product Distribution and Soot Formation. <i>Energy & Fuels</i> , 2012, 26, 5992-6002.	2.5	93
34	An experimental study of biomass ignition. <i>Fuel</i> , 2003, 82, 825-833.	3.4	92
35	Formation and reduction of nitric oxide in fixed-bed combustion of straw. <i>Fuel</i> , 2006, 85, 705-716.	3.4	90
36	Coal devolatilization and char conversion under suspension fired conditions in O ₂ /N ₂ and O ₂ /CO ₂ atmospheres. <i>Fuel</i> , 2010, 89, 3373-3380.	3.4	86

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37	Effects of several types of biomass fuels on the yield, nanostructure and reactivity of soot from fast pyrolysis at high temperatures. <i>Applied Energy</i> , 2016, 171, 468-482.	5.1	82
38	Deactivation of vanadia-based commercial SCR catalysts by polyphosphoric acids. <i>Applied Catalysis B: Environmental</i> , 2008, 83, 110-122.	10.8	79
39	Experimental study of char thermal deactivation. <i>Fuel</i> , 2002, 81, 1065-1075.	3.4	76
40	Formation and reduction of NO _x in pressurized fluidized bed combustion of coal. <i>Fuel</i> , 1995, 74, 1555-1569.	3.4	74
41	Steam reforming of cyclic model compounds of bio-oil over Ni-based catalysts: Product distribution and carbon formation. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 117-127.	10.8	70
42	Stability and resistance of nickel catalysts for hydrodeoxygenation: carbon deposition and effects of sulfur, potassium, and chlorine in the feed. <i>Catalysis Science and Technology</i> , 2014, 4, 3672-3686.	2.1	69
43	A kinetic study of gaseous potassium capture by coal minerals in a high temperature fixed-bed reactor. <i>Fuel</i> , 2008, 87, 3304-3312.	3.4	64
44	Heteropoly acid promoted V ₂ O ₅ /TiO ₂ catalysts for NO abatement with ammonia in alkali containing flue gases. <i>Catalysis Science and Technology</i> , 2011, 1, 631.	2.1	64
45	Characterization of free radicals by electron spin resonance spectroscopy in biochars from pyrolysis at high heating rates and at high temperatures. <i>Biomass and Bioenergy</i> , 2016, 94, 117-129.	2.9	64
46	Evaluation of different oxygen carriers for biomass tar reforming (I): Carbon deposition in experiments with toluene. <i>Fuel</i> , 2011, 90, 1049-1060.	3.4	63
47	Suspension Combustion of Wood: Influence of Pyrolysis Conditions on Char Yield, Morphology, and Reactivity. <i>Energy & Fuels</i> , 2008, 22, 2955-2962.	2.5	62
48	Deactivation of Ni-MoS ₂ by bio-oil impurities during hydrodeoxygenation of phenol and octanol. <i>Applied Catalysis A: General</i> , 2016, 523, 159-170.	2.2	62
49	Effect of fast pyrolysis conditions on biomass solid residues at high temperatures. <i>Fuel Processing Technology</i> , 2016, 143, 118-129.	3.7	62
50	Evaluation of Binary Solvent Mixtures for Efficient Monoacylglycerol Production by Continuous Enzymatic Glycerolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 7113-7119.	2.4	61
51	Evaluation of different oxygen carriers for biomass tar reforming (II): Carbon deposition in experiments with methane and other gases. <i>Fuel</i> , 2011, 90, 1370-1382.	3.4	61
52	Hydrodeoxygenation of Phenol to Benzene and Cyclohexane on Rh(111) and Rh(211) Surfaces: Insights from Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18529-18537.	1.5	61
53	Importance of the Cu oxidation state for the SO ₂ -poisoning of a Cu-SAPO-34 catalyst in the NH ₃ -SCR reaction. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 377-383.	10.8	61
54	In-situ Observation of Cu-Ni Alloy Nanoparticle Formation by X-Ray Diffraction, X-Ray Absorption Spectroscopy, and Transmission Electron Microscopy: Influence of Cu/Ni Ratio. <i>ChemCatChem</i> , 2014, 6, 301-310.	1.8	60

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55	Visualizing the mobility of silver during catalytic soot oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 28-36.	10.8	60
56	Steam reforming of ethanol: Effects of support and additives on Ni-based catalysts. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15105-15118.	3.8	59
57	Reduction of NO over Wheat Straw Char. <i>Energy & Fuels</i> , 2001, 15, 1359-1368.	2.5	58
58	Comparison of high temperature chars of wheat straw and rice husk with respect to chemistry, morphology and reactivity. <i>Biomass and Bioenergy</i> , 2016, 86, 76-87.	2.9	57
59	Retention of Organic Elements during Solid Fuel Pyrolysis with Emphasis on the Peculiar Behavior of Nitrogen. <i>Energy & Fuels</i> , 2005, 19, 1631-1643.	2.5	56
60	Model based analysis of the drying of a single solution droplet in an ultrasonic levitator. <i>Chemical Engineering Science</i> , 2006, 61, 2701-2709.	1.9	56
61	Reaction mechanism of dimethyl ether carbonylation to methyl acetate over mordenite – a combined DFT/experimental study. <i>Catalysis Science and Technology</i> , 2017, 7, 1141-1152.	2.1	54
62	Impact of SO ₂ -poisoning over the lifetime of a Cu-CHA catalyst for NH ₃ -SCR. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 104-110.	10.8	54
63	Kinetic Study of NO Reduction over Biomass Char under Dynamic Conditions. <i>Energy & Fuels</i> , 2003, 17, 1429-1436.	2.5	52
64	Plasma-catalytic dry reforming of methane: Screening of catalytic materials in a coaxial packed-bed DBD reactor. <i>Chemical Engineering Journal</i> , 2020, 397, 125519.	6.6	52
65	A Comparison of Coal Char Reactivity Determined from Thermogravimetric and Laminar Flow Reactor Experiments. <i>Energy & Fuels</i> , 1998, 12, 268-276.	2.5	50
66	Influence of reaction products of K-getter fuel additives on commercial vanadia-based SCR catalysts. <i>Applied Catalysis B: Environmental</i> , 2009, 86, 196-205.	10.8	50
67	Production of heat-sensitive monoacylglycerols by enzymatic glycerolysis in tert -pentanol: Process optimization by response surface methodology. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2006, 83, 27-33.	0.8	48
68	Catalytic Conversion of Syngas into Higher Alcohols over Carbide Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4161-4172.	1.8	48
69	Effects of Feed Composition and Feed Impurities in the Catalytic Conversion of Syngas to Higher Alcohols over Alkali-Promoted Cobalt-Molybdenum Sulfide. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7949-7963.	1.8	44
70	Atmospheric Hydrodeoxygenation of Biomass Fast Pyrolysis Vapor by MoO ₃ . <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5432-5440.	3.2	44
71	Supported molybdenum carbide for higher alcohol synthesis from syngas. <i>Catalysis Today</i> , 2013, 215, 162-168.	2.2	43
72	Probing the Active Sites of MoS ₂ Based Hydrotreating Catalysts Using Modulation Excitation Spectroscopy. <i>ACS Catalysis</i> , 2019, 9, 2568-2579.	5.5	43

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73	A Model for Nitrogen Chemistry in Oxy-Fuel Combustion of Pulverized Coal. <i>Energy & Fuels</i> , 2011, 25, 4280-4289.	2.5	42
74	Selective oxidation of propylene to acrolein by hydrothermally synthesized bismuth molybdates. <i>Applied Catalysis A: General</i> , 2014, 482, 145-156.	2.2	41
75	NH ₃ oxidation catalysed by calcined limestone—a kinetic study. <i>Fuel</i> , 2002, 81, 1871-1881.	3.4	40
76	Experimental and Modeling Study of Biomass Reburning. <i>Energy & Fuels</i> , 2004, 18, 1442-1450.	2.5	39
77	Thermal Dissociation of SO ₃ at 1000–1400 K. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6654-6659.	1.1	39
78	Influence of reaction products of K-getter fuel additives on commercial vanadia-based SCR catalysts. <i>Applied Catalysis B: Environmental</i> , 2009, 86, 206-215.	10.8	39
79	Flame spray synthesis of CoMo/Al ₂ O ₃ hydrotreating catalysts. <i>Applied Catalysis A: General</i> , 2011, 397, 201-208.	2.2	39
80	Characterization of Residual Particulates from Biomass Entrained Flow Gasification. <i>Energy & Fuels</i> , 2013, 27, 262-270.	2.5	39
81	Optimization of a new flow design for solid oxide cells using computational fluid dynamics modelling. <i>Journal of Power Sources</i> , 2016, 336, 261-271.	4.0	39
82	Bismuth Molybdate Catalysts Prepared by Mild Hydrothermal Synthesis: Influence of pH on the Selective Oxidation of Propylene. <i>Catalysts</i> , 2015, 5, 1554-1573.	1.6	38
83	Effect of NO ₂ and water on the catalytic oxidation of soot. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 182-188.	10.8	38
84	Impact of ZSM-5 Deactivation on Bio-Oil Quality during Upgrading of Straw Derived Pyrolysis Vapors. <i>Energy & Fuels</i> , 2019, 33, 397-412.	2.5	38
85	A perspective on catalytic hydrolysis of biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110960.	8.2	38
86	Bifunctional Synergy in CO Hydrogenation to Methanol with Supported Cu. <i>Catalysis Letters</i> , 2020, 150, 1427-1433.	1.4	37
87	One-step synthesis of bismuth molybdate catalysts via flame spray pyrolysis for the selective oxidation of propylene to acrolein. <i>Chemical Communications</i> , 2014, 50, 15404-15406.	2.2	36
88	Importance of the oxygen bond strength for catalytic activity in soot oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 235-244.	10.8	36
89	The Effect of Pt Particle Size on the Oxidation of CO, C ₃ H ₆ , and NO Over Pt/Al ₂ O ₃ for Diesel Exhaust Aftertreatment. <i>Topics in Catalysis</i> , 2017, 60, 1333-1344.	1.3	36
90	The roles of CO and CO ₂ in high pressure methanol synthesis over Cu-based catalysts. <i>Journal of Catalysis</i> , 2021, 393, 324-334.	3.1	36

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91	Hydrogen assisted catalytic biomass pyrolysis. Effect of temperature and pressure. Biomass and Bioenergy, 2018, 115, 97-107.	2.9	35
92	Enhancing bio-oil quality and energy recovery by atmospheric hydrodeoxygenation of wheat straw pyrolysis vapors using Pt and Mo-based catalysts. Sustainable Energy and Fuels, 2020, 4, 1991-2008.	2.5	35
93	A study of benzene formation in a laminar flow reactor. Proceedings of the Combustion Institute, 2002, 29, 1329-1336.	2.4	33
94	Performance of diesel particulate filter catalysts in the presence of biodiesel ash species. Fuel, 2013, 106, 234-240.	3.4	33
95	Hydrodeoxygenation of phenol over Pd catalysts by in-situ generated hydrogen from aqueous reforming of formic acid. Catalysis Communications, 2016, 82, 46-49.	1.6	33
96	Sulfation of Condensed Potassium Chloride by SO ₂ . Energy & Fuels, 2013, 27, 3283-3289.	2.5	32
97	Influence of preparation method on supported Cu-Ni alloys and their catalytic properties in high pressure CO hydrogenation. Catalysis Science and Technology, 2014, 4, 378-386.	2.1	32
98	NO Formation during Oxy-Fuel Combustion of Coal and Biomass Chars. Energy & Fuels, 2014, 28, 4684-4693.	2.5	32
99	Deactivation behavior of an iron-molybdate catalyst during selective oxidation of methanol to formaldehyde. Catalysis Science and Technology, 2018, 8, 4626-4637.	2.1	32
100	Steam reforming of light oxygenates. Catalysis Science and Technology, 2013, 3, 3292.	2.1	31
101	Influence of H ₂ O and H ₂ S on the composition, activity, and stability of sulfided Mo, CoMo, and NiMo supported on MgAl ₂ O ₄ for hydrodeoxygenation of ethylene glycol. Applied Catalysis A: General, 2018, 551, 106-121.	2.2	31
102	Deoxygenation of wheat straw fast pyrolysis vapors over Na-Al ₂ O ₃ catalyst for production of bio-oil with low acidity. Chemical Engineering Journal, 2020, 394, 124878.	6.6	31
103	Propargyl recombination: estimation of the high temperature, low pressure rate constant from flame measurements. Proceedings of the Combustion Institute, 2005, 30, 1023-1031.	2.4	30
104	The effect of combustion conditions in a full-scale low-NO _x coal fired unit on fly ash properties for its application in concrete mixtures. Fuel Processing Technology, 2009, 90, 180-185.	3.7	30
105	Structure of alumina supported vanadia catalysts for oxidative dehydrogenation of propane prepared by flame spray pyrolysis. Applied Catalysis A: General, 2013, 451, 207-215.	2.2	30
106	Continuous Catalytic Hydrodeoxygenation of Guaiacol over Pt/SiO ₂ and Pt/H-MFI-90. Catalysts, 2015, 5, 1152-1166.	1.6	30
107	Catalytic deoxygenation of vapors obtained from ablative fast pyrolysis of wheat straw using mesoporous HZSM-5. Fuel Processing Technology, 2019, 194, 106119.	3.7	30
108	Low-Temperature NH ₃ -SCR of NO on Mesoporous Mn _{0.6} Fe _{0.4} /TiO ₂ Prepared by a Hydrothermal Method. Catalysis Letters, 2014, 144, 395-402.	1.4	29

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109	A Rhodium-Based Methane Oxidation Catalyst with High Tolerance to H ₂ O and SO ₂ . ACS Catalysis, 2020, 10, 1821-1827.	5.5	29
110	Effects of mixing on ammonia oxidation in combustion environments at intermediate temperatures. Proceedings of the Combustion Institute, 2005, 30, 1193-1200.	2.4	28
111	Batch top-spray fluid bed coating: Scale-up insight using dynamic heat- and mass-transfer modelling. Chemical Engineering Science, 2009, 64, 1293-1317.	1.9	28
112	Cell mass and cell cycle dynamics of an asynchronous budding yeast population: Experimental observations, flow cytometry data analysis, and multi-scale modeling. Biotechnology and Bioengineering, 2013, 110, 812-826.	1.7	28
113	Superior DeNO _x activity of V ₂ O ₅ –WO ₃ /TiO ₂ catalysts prepared by deposition–precipitation method. Journal of Materials Science, 2014, 49, 2705-2713.	1.7	28
114	Thermal Cracking of Sugars for the Production of Glycolaldehyde and Other Small Oxygenates. ChemSusChem, 2020, 13, 688-692.	3.6	28
115	Spray Drying of Suspensions for Pharma and Bio Products: Drying Kinetics and Morphology. Industrial & Engineering Chemistry Research, 2009, 48, 3657-3664.	1.8	27
116	Structure, activity and kinetics of supported molybdenum oxide and mixed molybdenum–vanadium oxide catalysts prepared by flame spray pyrolysis for propane OHD. Applied Catalysis A: General, 2014, 472, 29-38.	2.2	27
117	Top-spray fluid bed coating: Scale-up in terms of relative droplet size and drying force. Powder Technology, 2008, 184, 318-332.	2.1	26
118	Coupling of Alcohols over Alkali-Promoted Cobalt–Molybdenum Sulfide. ChemCatChem, 2010, 2, 523-526.	1.8	26
119	Modeling char conversion under suspension fired conditions in O ₂ /N ₂ and O ₂ /CO ₂ atmospheres. Fuel, 2011, 90, 2224-2239.	3.4	26
120	<i>Operando</i> XAS/XRD and Raman Spectroscopic Study of Structural Changes of the Iron Molybdate Catalyst during Selective Oxidation of Methanol. ChemCatChem, 2019, 11, 4871-4883.	1.8	26
121	Deoxygenation of Wheat Straw Fast Pyrolysis Vapors using HZSM-5, Al ₂ O ₃ , HZSM-5/Al ₂ O ₃ Extrudates, and Desilicated HZSM-5/Al ₂ O ₃ Extrudates. Energy & Fuels, 2019, 33, 6405-6420.	2.5	26
122	Modelling of NO _x emissions from pressurized fluidized bed combustion—a parameter study. Chemical Engineering Science, 1997, 52, 1715-1731.	1.9	25
123	Detailed modeling and laser-induced fluorescence imaging of nitric oxide in a NH ₃ -seeded non-premixed methane/air flame. Proceedings of the Combustion Institute, 2002, 29, 2195-2202.	2.4	25
124	Replacement of the foam index test with surface tension measurements. Cement and Concrete Research, 2007, 37, 996-1004.	4.6	25
125	Alkali Resistant Fe-Zeolite Catalysts for SCR of NO with NH ₃ in Flue Gases. Topics in Catalysis, 2011, 54, 1286-1292.	1.3	25
126	Two-Nozzle Flame Spray Pyrolysis (FSP) Synthesis of CoMo/Al ₂ O ₃ Hydrotreating Catalysts. Catalysis Letters, 2013, 143, 386-394.	1.4	25

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127	NO Reduction over Biomass and Coal Char during Simultaneous Combustion. Energy & Fuels, 2013, 27, 7817-7826.	2.5	25
128	Steam reforming of ethanol over Ni-based catalysts: Effect of feed composition on catalyst stability. International Journal of Hydrogen Energy, 2014, 39, 7735-7746.	3.8	25
129	Poisoning of vanadia based SCR catalysts by potassium: influence of catalyst composition and potassium mobility. Catalysis Science and Technology, 2016, 6, 2249-2260.	2.1	25
130	Noncatalytic Direct Liquefaction of Biorefinery Lignin by Ethanol. Energy & Fuels, 2017, 31, 7223-7233.	2.5	25
131	New insights into the effect of pressure on catalytic hydrolysis of biomass. Fuel Processing Technology, 2019, 193, 392-403.	3.7	25
132	Co-processing of wood and wheat straw derived pyrolysis oils with FCC feedâ€”Product distribution and effect of deoxygenation. Fuel, 2020, 260, 116312.	3.4	25
133	Structural dynamics of an iron molybdate catalyst under redox cycling conditions studied with <i>in situ</i> multi edge XAS and XRD. Physical Chemistry Chemical Physics, 2020, 22, 11713-11723.	1.3	25
134	Kinetic NO modelling and experimental results from single wood particle combustion. Fuel, 1997, 76, 671-682.	3.4	24
135	Coupling thermal deactivation with oxidation for predicting the combustion of a solid fuel. Combustion and Flame, 2001, 125, 1341-1360.	2.8	24
136	Post-processing of detailed chemical kinetic mechanisms onto CFD simulations. Computers and Chemical Engineering, 2004, 28, 2351-2361.	2.0	24
137	Small-scale top-spray fluidised bed coating: Granule impact strength, agglomeration tendency and coating layer morphology. Powder Technology, 2007, 176, 156-167.	2.1	24
138	Soot Reactivity in Conventional Combustion and Oxy-fuel Combustion Environments. Energy & Fuels, 2012, 26, 5337-5344.	2.5	24
139	Systematic study on the influence of the morphology of Î±-MoO_3 in the selective oxidation of propylene. Journal of Solid State Chemistry, 2015, 228, 42-52.	1.4	24
140	Catalytic Hydrolysis of Biomass Using Molybdenum Sulfide Based Catalyst. Effect of Promoters. Energy & Fuels, 2019, 33, 1302-1313.	2.5	24
141	Reactivity of coal char in reducing NO. Combustion and Flame, 2004, 136, 249-253.	2.8	23
142	Process Development of Continuous Glycerolysis in an Immobilized Enzyme-Packed Reactor for Industrial Monoacylglycerol Production. Journal of Agricultural and Food Chemistry, 2007, 55, 7786-7792.	2.4	23
143	Selective Catalytic Reduction of NO _x with NH ₃ on Cu-, Fe-, and Mn-Zeolites Prepared by Impregnation: Comparison of Activity and Hydrothermal Stability. Journal of Chemistry, 2018, 2018, 1-11.	0.9	23
144	The influence of H ₂ O and CO ₂ on the reactivity of limestone for the oxidation of NH ₃ . Fuel, 2000, 79, 1449-1454.	3.4	22

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145	Formation of NO from combustion of volatiles from municipal solid wastes. <i>Combustion and Flame</i> , 2001, 124, 195-212.	2.8	22
146	Effect of the catalyst in fluid bed catalytic hydroxyprolysis. <i>Catalysis Today</i> , 2020, 355, 96-109.	2.2	22
147	Catalytic hydroxyprolysis of biomass using supported CoMo catalysts – Effect of metal loading and support acidity. <i>Fuel</i> , 2020, 264, 116807.	3.4	22
148	Heat Transfer in a Fixed Bed of Straw Char. <i>Energy & Fuels</i> , 2003, 17, 1251-1258.	2.5	21
149	MnFe/Al ₂ O ₃ Catalyst Synthesized by Deposition Precipitation for Low-Temperature Selective Catalytic Reduction of NO with NH ₃ . <i>Catalysis Letters</i> , 2015, 145, 1724-1732.	1.4	21
150	Catalytic and gas–solid reactions involving HCN over limestone. <i>AIChE Journal</i> , 1997, 43, 3070-3084.	1.8	20
151	Mixing Effects in the Selective Noncatalytic Reduction of NO. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3221-3232.	1.8	20
152	Activation Energy Distribution of Thermal Annealing of a Bituminous Coal. <i>Energy & Fuels</i> , 2003, 17, 399-404.	2.5	20
153	Dynamic measurement of mercury adsorption and oxidation on activated carbon in simulated cement kiln flue gas. <i>Fuel</i> , 2012, 93, 649-657.	3.4	20
154	Mapping Support Interactions in Copper Catalysts. <i>Topics in Catalysis</i> , 2019, 62, 649-659.	1.3	20
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