

# Anker D Jensen

## List of Publications by Citations

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240  
papers

10,912  
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51  
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243  
ext. papers

12,154  
ext. citations

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L-index

#	Paper	IF	Citations
240	A review of catalytic upgrading of bio-oil to engine fuels. <i>Applied Catalysis A: General</i> , <b>2011</b> , 407, 1-19	5.1	1228
239	Oxy-fuel combustion of solid fuels. <i>Progress in Energy and Combustion Science</i> , <b>2010</b> , 36, 581-625	33.6	819
238	Fuel nitrogen conversion in solid fuel fired systems. <i>Progress in Energy and Combustion Science</i> , <b>2003</b> , 29, 89-113	33.6	644
237	Catalytic steam reforming of bio-oil. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 6447-6472	6.7	305
236	Screening of Catalysts for Hydrodeoxygenation of Phenol as a Model Compound for Bio-oil. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1774-1785	13.1	294
235	TG-FTIR Study of the Influence of Potassium Chloride on Wheat Straw Pyrolysis. <i>Energy &amp; Fuels</i> , <b>1998</b> , 12, 929-938	4.1	231
234	Mn/TiO <sub>2</sub> and Mn/Be/TiO <sub>2</sub> catalysts synthesized by deposition precipitation promising for selective catalytic reduction of NO with NH <sub>3</sub> at low temperatures. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 628-635	21.8	192
233	Numerical modeling of straw combustion in a fixed bed. <i>Fuel</i> , <b>2005</b> , 84, 389-403	7.1	167
232	CO hydrogenation to methanol on CuNi catalysts: Theory and experiment. <i>Journal of Catalysis</i> , <b>2012</b> , 293, 51-60	7.3	163
231	Deactivation of V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> -TiO <sub>2</sub> SCR catalyst at a biomass-fired combined heat and power plant. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 60, 253-264	21.8	163
230	Review of technologies for mercury removal from flue gas from cement production processes. <i>Progress in Energy and Combustion Science</i> , <b>2012</b> , 38, 599-629	33.6	149
229	Two-fluid spray atomisation and pneumatic nozzles for fluid bed coating/agglomeration purposes: A review. <i>Chemical Engineering Science</i> , <b>2008</b> , 63, 3821-3842	4.4	148
228	Formation of polycyclic aromatic hydrocarbons and soot in fuel-rich oxidation of methane in a laminar flow reactor. <i>Combustion and Flame</i> , <b>2004</b> , 136, 91-128	5.3	139
227	Modelling and experiments of straw combustion in a grate furnace. <i>Biomass and Bioenergy</i> , <b>2000</b> , 19, 199-208	5.3	130
226	Ash transformation during co-firing coal and straw. <i>Fuel</i> , <b>2007</b> , 86, 1008-1020	7.1	127
225	Transportation fuels from biomass fast pyrolysis, catalytic hydrodeoxygenation, and catalytic fast hydrolysis. <i>Progress in Energy and Combustion Science</i> , <b>2018</b> , 68, 268-309	33.6	122
224	Deactivation of V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> -TiO <sub>2</sub> SCR catalyst at biomass fired power plants: Elucidation of mechanisms by lab- and pilot-scale experiments. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 83, 186-194	21.8	117

223	High-temperature entrained flow gasification of biomass. <i>Fuel</i> , <b>2012</b> , 93, 589-600	7.1	115
222	Laboratory Investigation of Selective Catalytic Reduction Catalysts: Deactivation by Potassium Compounds and Catalyst Regeneration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 941-947	3.9	109
221	Effects of H <sub>2</sub> S and process conditions in the synthesis of mixed alcohols from syngas over alkali promoted cobalt-molybdenum sulfide. <i>Applied Catalysis A: General</i> , <b>2009</b> , 366, 29-43	5.1	99
220	Promoted V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts for selective catalytic reduction of NO with NH <sub>3</sub> at low temperatures. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 183, 282-290	21.8	94
219	Direct upgrading of fast pyrolysis lignin vapor over the HZSM-5 catalyst. <i>Green Chemistry</i> , <b>2016</b> , 18, 1965-1975	10.75	92
218	Experimental methods and modeling techniques for description of cell population heterogeneity. <i>Biotechnology Advances</i> , <b>2011</b> , 29, 575-99	17.8	90
217	Influence on nickel particle size on the hydrodeoxygenation of phenol over Ni/SiO <sub>2</sub> . <i>Catalysis Today</i> , <b>2016</b> , 259, 277-284	5.3	87
216	The Influence of Inorganic Materials on the Thermal Deactivation of Fuel Chars. <i>Energy &amp; Fuels</i> , <b>2001</b> , 15, 1110-1122	4.1	85
215	A review of the interference of carbon containing fly ash with air entrainment in concrete. <i>Progress in Energy and Combustion Science</i> , <b>2008</b> , 34, 135-154	33.6	83
214	Coal devolatilization and char conversion under suspension fired conditions in O <sub>2</sub> /N <sub>2</sub> and O <sub>2</sub> /CO <sub>2</sub> atmospheres. <i>Fuel</i> , <b>2010</b> , 89, 3373-3380	7.1	82
213	Solvent optimization for efficient enzymatic monoacylglycerol production based on a glycerolysis reaction. <i>JAOCS, Journal of the American Oil Chemists Society</i> , <b>2005</b> , 82, 559-564	1.8	80
212	Activity and stability of Mo <sub>2</sub> C/ZrO <sub>2</sub> as catalyst for hydrodeoxygenation of mixtures of phenol and 1-octanol. <i>Journal of Catalysis</i> , <b>2015</b> , 328, 208-215	7.3	78
211	Biomass Gasification Behavior in an Entrained Flow Reactor: Gas Product Distribution and Soot Formation. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5992-6002	4.1	78
210	Formation and reduction of nitric oxide in fixed-bed combustion of straw. <i>Fuel</i> , <b>2006</b> , 85, 705-716	7.1	76
209	An experimental study of biomass ignition?. <i>Fuel</i> , <b>2003</b> , 82, 825-833	7.1	76
208	Influence of fast pyrolysis conditions on yield and structural transformation of biomass chars. <i>Fuel Processing Technology</i> , <b>2015</b> , 140, 205-214	7.2	75
207	Ammonia conversion and NO <sub>x</sub> formation in laminar coflowing nonpremixed methane-air flames. <i>Combustion and Flame</i> , <b>2002</b> , 131, 285-298	5.3	74
206	Experimental study of char thermal deactivation. <i>Fuel</i> , <b>2002</b> , 81, 1065-1075	7.1	70

205	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> , <b>2016</b> , 171, 468-482	10.7	70
204	Deactivation of vanadia-based commercial SCR catalysts by polyphosphoric acids. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 83, 110-122	21.8	65
203	Reversible and irreversible deactivation of Cu-CHA NH <sub>3</sub> -SCR catalysts by SO <sub>2</sub> and SO <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 226, 38-45	21.8	65
202	Ketene as a Reaction Intermediate in the Carbonylation of Dimethyl Ether to Methyl Acetate over Mordenite. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7261-4	16.4	64
201	Formation and reduction of NO <sub>x</sub> in pressurized fluidized bed combustion of coal. <i>Fuel</i> , <b>1995</b> , 74, 1555-1569	5.6	63
200	Steam reforming of cyclic model compounds of bio-oil over Ni-based catalysts: Product distribution and carbon formation. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 117-127	21.8	60
199	Suspension Combustion of Wood: Influence of Pyrolysis Conditions on Char Yield, Morphology, and Reactivity. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 2955-2962	4.1	58
198	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> , <b>2014</b> , 4, 3672-3686	5.5	57
197	Steam reforming of ethanol: Effects of support and additives on Ni-based catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 15105-15118	6.7	56
196	Effect of fast pyrolysis conditions on biomass solid residues at high temperatures. <i>Fuel Processing Technology</i> , <b>2016</b> , 143, 118-129	7.2	55
195	Evaluation of different oxygen carriers for biomass tar reforming (II): Carbon deposition in experiments with methane and other gases. <i>Fuel</i> , <b>2011</b> , 90, 1370-1382	7.1	54
194	Evaluation of binary solvent mixtures for efficient monoacylglycerol production by continuous enzymatic glycerolysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 7113-9	5.7	53
193	Reduction of NO over Wheat Straw Char. <i>Energy &amp; Fuels</i> , <b>2001</b> , 15, 1359-1368	4.1	53
192	Visualizing the mobility of silver during catalytic soot oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 183, 28-36	21.8	52
191	Evaluation of different oxygen carriers for biomass tar reforming (I): Carbon deposition in experiments with toluene. <i>Fuel</i> , <b>2011</b> , 90, 1049-1060	7.1	52
190	A kinetic study of gaseous potassium capture by coal minerals in a high temperature fixed-bed reactor. <i>Fuel</i> , <b>2008</b> , 87, 3304-3312	7.1	52
189	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> , <b>2016</b> , 120, 18529-18537	3.8	51
188	Heteropoly acid promoted V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts for NO abatement with ammonia in alkali containing flue gases. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 631	5.5	51

187	Retention of Organic Elements during Solid Fuel Pyrolysis with Emphasis on the Peculiar Behavior of Nitrogen. <i>Energy &amp; Fuels</i> , <b>2005</b> , 19, 1631-1643	4.1	50
186	Comparison of high temperature chars of wheat straw and rice husk with respect to chemistry, morphology and reactivity. <i>Biomass and Bioenergy</i> , <b>2016</b> , 86, 76-87	5.3	48
185	Model based analysis of the drying of a single solution droplet in an ultrasonic levitator. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 2701-2709	4.4	48
184	Kinetic Study of NO Reduction over Biomass Char under Dynamic Conditions. <i>Energy &amp; Fuels</i> , <b>2003</b> , 17, 1429-1436	4.1	46
183	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> , <b>2014</b> , 6, 301-310	5.2	45
182	Influence of reaction products of K-getter fuel additives on commercial vanadia-based SCR catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 86, 196-205	21.8	45
181	A Comparison of Coal Char Reactivity Determined from Thermogravimetric and Laminar Flow Reactor Experiments. <i>Energy &amp; Fuels</i> , <b>1998</b> , 12, 268-276	4.1	45
180	Deactivation of Ni-MoS <sub>2</sub> by bio-oil impurities during hydrodeoxygenation of phenol and octanol. <i>Applied Catalysis A: General</i> , <b>2016</b> , 523, 159-170	5.1	43
179	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> , <b>2006</b> , 83, 27-33	1.8	41
178	Catalytic Conversion of Syngas into Higher Alcohols over Carbide Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 4161-4172	3.9	40
177	Importance of the Cu oxidation state for the SO <sub>2</sub> -poisoning of a Cu-SAPO-34 catalyst in the NH <sub>3</sub> -SCR reaction. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 236, 377-383	21.8	40
176	Impact of SO <sub>2</sub> -poisoning over the lifetime of a Cu-CHA catalyst for NH <sub>3</sub> -SCR. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 238, 104-110	21.8	40
175	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> , <b>2016</b> , 94, 117-129	5.3	39
174	Characterization of Residual Particulates from Biomass Entrained Flow Gasification. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 262-270	4.1	38
173	Atmospheric Hydrodeoxygenation of Biomass Fast Pyrolysis Vapor by MoO <sub>3</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5432-5440	8.3	37
172	Effects of Feed Composition and Feed Impurities in the Catalytic Conversion of Syngas to Higher Alcohols over Alkali-Promoted Cobalt-Molybdenum Sulfide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 7949-7963	3.9	37
171	Flame spray synthesis of CoMo/Al <sub>2</sub> O <sub>3</sub> hydrotreating catalysts. <i>Applied Catalysis A: General</i> , <b>2011</b> , 397, 201-208	5.1	37
170	Supported molybdenum carbide for higher alcohol synthesis from syngas. <i>Catalysis Today</i> , <b>2013</b> , 215, 162-168	5.3	36

169	Reaction mechanism of dimethyl ether carbonylation to methyl acetate over mordenite $\gamma$ combined DFT/experimental study. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1141-1152	5.5	35
168	Selective oxidation of propylene to acrolein by hydrothermally synthesized bismuth molybdates. <i>Applied Catalysis A: General</i> , <b>2014</b> , 482, 145-156	5.1	35
167	NH <sub>3</sub> oxidation catalysed by calcined limestone $\gamma$ kinetic study. <i>Fuel</i> , <b>2002</b> , 81, 1871-1881	7.1	34
166	Influence of reaction products of K-getter fuel additives on commercial vanadia-based SCR catalysts: Part II. Simultaneous addition of KCl, Ca(OH) <sub>2</sub> , H <sub>3</sub> PO <sub>4</sub> and H <sub>2</sub> SO <sub>4</sub> in a hot flue gas at a SCR pilot-scale setup. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 86, 206-215	21.8	33
165	Thermal dissociation of SO <sub>3</sub> at 1000-1400 K. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 6654-9	2.8	32
164	Impact of ZSM-5 Deactivation on Bio-Oil Quality during Upgrading of Straw Derived Pyrolysis Vapors. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 397-412	4.1	31
163	Enhancing bio-oil quality and energy recovery by atmospheric hydrodeoxygenation of wheat straw pyrolysis vapors using Pt and Mo-based catalysts. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1991-2008	5.8	30
162	Importance of the oxygen bond strength for catalytic activity in soot oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 235-244	21.8	30
161	Steam reforming of light oxygenates. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 3292	5.5	30
160	A study of benzene formation in a laminar flow reactor. <i>Proceedings of the Combustion Institute</i> , <b>2002</b> , 29, 1329-1336	5.9	30
159	Influence of preparation method on supported Cu/Ni alloys and their catalytic properties in high pressure CO hydrogenation. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 378-386	5.5	29
158	A Model for Nitrogen Chemistry in Oxy-Fuel Combustion of Pulverized Coal. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 4280-4289	4.1	29
157	The effect of combustion conditions in a full-scale low-NO <sub>x</sub> coal fired unit on fly ash properties for its application in concrete mixtures. <i>Fuel Processing Technology</i> , <b>2009</b> , 90, 180-185	7.2	29
156	Propargyl recombination: estimation of the high temperature, low pressure rate constant from flame measurements. <i>Proceedings of the Combustion Institute</i> , <b>2005</b> , 30, 1023-1031	5.9	29
155	Probing the Active Sites of MoS <sub>2</sub> Based Hydrotreating Catalysts Using Modulation Excitation Spectroscopy. <i>ACS Catalysis</i> , <b>2019</b> , 9, 2568-2579	13.1	28
154	Sulfation of Condensed Potassium Chloride by SO <sub>2</sub> . <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 3283-3289	4.1	28
153	Experimental and Modeling Study of Biomass Reburning. <i>Energy &amp; Fuels</i> , <b>2004</b> , 18, 1442-1450	4.1	28
152	Hydrogen assisted catalytic biomass pyrolysis. Effect of temperature and pressure. <i>Biomass and Bioenergy</i> , <b>2018</b> , 115, 97-107	5.3	27

151	Bismuth Molybdate Catalysts Prepared by Mild Hydrothermal Synthesis: Influence of pH on the Selective Oxidation of Propylene. <i>Catalysts</i> , <b>2015</b> , 5, 1554-1573	4	27
150	Structure, activity and kinetics of supported molybdenum oxide and mixed molybdenum-manganese oxide catalysts prepared by flame spray pyrolysis for propane OHD. <i>Applied Catalysis A: General</i> , <b>2014</b> , 472, 29-38	5.1	26
149	Batch top-spray fluid bed coating: Scale-up insight using dynamic heat- and mass-transfer modelling. <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 1293-1317	4.4	26
148	Coupling of Alcohols over Alkali-Promoted Cobalt-Molybdenum Sulfide. <i>ChemCatChem</i> , <b>2010</b> , 2, 523-526	5.2	26
147	Hydrodeoxygenation of phenol over Pd catalysts by in-situ generated hydrogen from aqueous reforming of formic acid. <i>Catalysis Communications</i> , <b>2016</b> , 82, 46-49	3.2	26
146	Optimization of a new flow design for solid oxide cells using computational fluid dynamics modelling. <i>Journal of Power Sources</i> , <b>2016</b> , 336, 261-271	8.9	25
145	Superior DeNO <sub>x</sub> activity of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalysts prepared by deposition-precipitation method. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 2705-2713	4.3	25
144	Low-Temperature NH <sub>3</sub> -SCR of NO on Mesoporous Mn <sub>0.6</sub> Fe <sub>0.4</sub> /TiO <sub>2</sub> Prepared by a Hydrothermal Method. <i>Catalysis Letters</i> , <b>2014</b> , 144, 395-402	2.8	25
143	NO Formation during Oxy-Fuel Combustion of Coal and Biomass Chars. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 4684-4693	4.1	25
142	Structure of alumina supported vanadia catalysts for oxidative dehydrogenation of propane prepared by flame spray pyrolysis. <i>Applied Catalysis A: General</i> , <b>2013</b> , 451, 207-215	5.1	25
141	Cell mass and cell cycle dynamics of an asynchronous budding yeast population: experimental observations, flow cytometry data analysis, and multi-scale modeling. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 812-26	4.9	25
140	Performance of diesel particulate filter catalysts in the presence of biodiesel ash species. <i>Fuel</i> , <b>2013</b> , 106, 234-240	7.1	25
139	Modeling char conversion under suspension fired conditions in O <sub>2</sub> /N <sub>2</sub> and O <sub>2</sub> /CO <sub>2</sub> atmospheres. <i>Fuel</i> , <b>2011</b> , 90, 2224-2239	7.1	25
138	Spray Drying of Suspensions for Pharma and Bio Products: Drying Kinetics and Morphology. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 3657-3664	3.9	25
137	The Effect of Pt Particle Size on the Oxidation of CO, C <sub>3</sub> H <sub>6</sub> , and NO Over Pt/Al <sub>2</sub> O <sub>3</sub> for Diesel Exhaust Aftertreatment. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 1333-1344	2.3	24
136	Catalytic deoxygenation of vapors obtained from ablative fast pyrolysis of wheat straw using mesoporous HZSM-5. <i>Fuel Processing Technology</i> , <b>2019</b> , 194, 106119	7.2	24
135	One-step synthesis of bismuth molybdate catalysts via flame spray pyrolysis for the selective oxidation of propylene to acrolein. <i>Chemical Communications</i> , <b>2014</b> , 50, 15404-6	5.8	24
134	Kinetic NO modelling and experimental results from single wood particle combustion. <i>Fuel</i> , <b>1997</b> , 76, 671-682	7.1	24

133	Small-scale top-spray fluidised bed coating: Granule impact strength, agglomeration tendency and coating layer morphology. <i>Powder Technology</i> , <b>2007</b> , 176, 156-167	5.2	24
132	Top-spray fluid bed coating: Scale-up in terms of relative droplet size and drying force. <i>Powder Technology</i> , <b>2008</b> , 184, 318-332	5.2	24
131	Deactivation behavior of an iron-molybdate catalyst during selective oxidation of methanol to formaldehyde. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 4626-4637	5.5	23
130	Continuous Catalytic Hydrodeoxygenation of Guaiacol over Pt/SiO <sub>2</sub> and Pt/H-MFI-90. <i>Catalysts</i> , <b>2015</b> , 5, 1152-1166	4	23
129	Reactivity of coal char in reducing NO. <i>Combustion and Flame</i> , <b>2004</b> , 136, 249-253	5.3	23
128	Post-processing of detailed chemical kinetic mechanisms onto CFD simulations. <i>Computers and Chemical Engineering</i> , <b>2004</b> , 28, 2351-2361	4	23
127	Effect of NO <sub>2</sub> and water on the catalytic oxidation of soot. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 205, 182-188	21.8	22
126	Deoxygenation of Wheat Straw Fast Pyrolysis Vapors using HZSM-5, Al <sub>2</sub> O <sub>3</sub> , HZSM-5/Al <sub>2</sub> O <sub>3</sub> Extrudates, and Desilicated HZSM-5/Al <sub>2</sub> O <sub>3</sub> Extrudates. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 6405-6420	4.1	22
125	Poisoning of vanadia based SCR catalysts by potassium: influence of catalyst composition and potassium mobility. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 2249-2260	5.5	22
124	Replacement of the foam index test with surface tension measurements. <i>Cement and Concrete Research</i> , <b>2007</b> , 37, 996-1004	10.3	22
123	Bifunctional Synergy in CO Hydrogenation to Methanol with Supported Cu. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1427-1433	2.8	22
122	Catalytic Hydropyrolysis of Biomass Using Molybdenum Sulfide Based Catalyst. Effect of Promoters. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 1302-1313	4.1	21
121	Systematic study on the influence of the morphology of $\beta$ -MoO <sub>3</sub> in the selective oxidation of propylene. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 228, 42-52	3.3	21
120	Deoxygenation of wheat straw fast pyrolysis vapors over Na-Al <sub>2</sub> O <sub>3</sub> catalyst for production of bio-oil with low acidity. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124878	14.7	21
119	Two-Nozzle Flame Spray Pyrolysis (FSP) Synthesis of CoMo/Al <sub>2</sub> O <sub>3</sub> Hydrotreating Catalysts. <i>Catalysis Letters</i> , <b>2013</b> , 143, 386-394	2.8	21
118	NO Reduction over Biomass and Coal Char during Simultaneous Combustion. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 7817-7826	4.1	21
117	Detailed modeling and laser-induced fluorescence imaging of nitric oxide in a NH <sub>3</sub> -seeded non-premixed methane/air flame. <i>Proceedings of the Combustion Institute</i> , <b>2002</b> , 29, 2195-2202	5.9	21
116	Coupling thermal deactivation with oxidation for predicting the combustion of a solid fuel. <i>Combustion and Flame</i> , <b>2001</b> , 125, 1341-1360	5.3	21

115	Influence of H <sub>2</sub> O and H <sub>2</sub> S on the composition, activity, and stability of sulfided Mo, CoMo, and NiMo supported on MgAl <sub>2</sub> O <sub>4</sub> for hydrodeoxygenation of ethylene glycol. <i>Applied Catalysis A: General</i> , <b>2018</b> , 551, 106-121	5.1	21
114	New insights into the effect of pressure on catalytic hydropyrolysis of biomass. <i>Fuel Processing Technology</i> , <b>2019</b> , 193, 392-403	7.2	20
113	Steam reforming of ethanol over Ni-based catalysts: Effect of feed composition on catalyst stability. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 7735-7746	6.7	20
112	Catalytic and gas-solid reactions involving HCN over limestone. <i>AIChE Journal</i> , <b>1997</b> , 43, 3070-3084	3.6	20
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109	Soot Reactivity in Conventional Combustion and Oxy-fuel Combustion Environments. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5337-5344	4.1	19
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101	Oxy-fuel combustion of millimeter-sized coal char: Particle temperatures and NO formation. <i>Fuel</i> , <b>2013</b> , 106, 72-78	7.1	17
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97	Effect of the catalyst in fluid bed catalytic hydrolysis. <i>Catalysis Today</i> , <b>2020</b> , 355, 96-109	5.3	17
96	Mapping Support Interactions in Copper Catalysts. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 649-659	2.3	16
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87	Alkali resistivity of Cu based selective catalytic reduction catalysts: Potassium chloride aerosol exposure and activity measurements. <i>Catalysis Communications</i> , <b>2012</b> , 18, 41-46	3.2	13
86	Modeling of in-line low-NO <sub>x</sub> calciners – a parametric study. <i>Chemical Engineering Science</i> , <b>2002</b> , 57, 789-803	4.4	13
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43	Quantification of Formate and Oxygen Coverages on Cu Under Industrial Methanol Synthesis Conditions. <i>Catalysis Letters</i> , <b>2020</b> , 150, 2447-2456	2.8	6
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22	A Review of Recent Research on Catalytic Biomass Pyrolysis and Low-Pressure Hydroxylation. <i>Energy &amp; Fuels</i> ,	4.1	3
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