

# Anker D Jensen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

240  
papers

10,912  
citations

51  
h-index

96  
g-index

243  
ext. papers

12,154  
ext. citations

7  
avg. IF

6.6  
L-index

#	Paper	IF	Citations
240	Highly Stable Apatite Supported Molybdenum Oxide Catalysts for Selective Oxidation of Methanol to Formaldehyde: Structure, Activity and Stability. <i>ChemCatChem</i> , <b>2021</b> , 13, 4954	5.2	1
239	A Review and Experimental Revisit of Alternative Catalysts for Selective Oxidation of Methanol to Formaldehyde. <i>Catalysts</i> , <b>2021</b> , 11, 1329	4	0
238	Kinetic Modeling of Gas Phase Sugar Cracking to Glycolaldehyde and Other Oxygenates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 305-311	8.3	3
237	Rationalizing an Unexpected Structure Sensitivity in Heterogeneous Catalysis CO Hydrogenation over Rh as a Case Study. <i>ACS Catalysis</i> , <b>2021</b> , 11, 5189-5201	13.1	2
236	Promoting Effect of Copper Loading and Mesoporosity on Cu-MOR in the Carbonylation of Dimethyl Ether to Methyl Acetate. <i>Catalysts</i> , <b>2021</b> , 11, 696	4	0
235	A perspective on catalytic hydrolysis of biomass. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 143, 110960	16.2	10
234	Catalytic conversion of acetol over HZSM-5 catalysts Influence of Si/Al ratio and introduction of mesoporosity. <i>Catalysis Today</i> , <b>2021</b> , 365, 301-309	5.3	4
233	Characterization of oxide-supported Cu by infrared measurements on adsorbed CO. <i>Surface Science</i> , <b>2021</b> , 703, 121725	1.8	6
232	The roles of CO and CO <sub>2</sub> in high pressure methanol synthesis over Cu-based catalysts. <i>Journal of Catalysis</i> , <b>2021</b> , 393, 324-334	7.3	12
231	Predicting cold gas-solid flow in a pilot-scale dual-circulating fluidized bed: Validation of computational particle fluid dynamics model. <i>Powder Technology</i> , <b>2021</b> , 381, 25-43	5.2	8
230	Modeling and Optimization of Multi-functional Ammonia Slip Catalysts for Diesel Exhaust Aftertreatment. <i>Emission Control Science and Technology</i> , <b>2021</b> , 7, 7-25	2	2
229	Hydroxyapatite supported molybdenum oxide catalyst for selective oxidation of methanol to formaldehyde: studies of industrial sized catalyst pellets. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 970-983	5.5	1
228	Precursor Effect on Mn-Fe-Ce/TiO <sub>2</sub> Catalysts for Selective Catalytic Reduction of NO with NH <sub>3</sub> at Low Temperatures. <i>Catalysts</i> , <b>2021</b> , 11, 259	4	6
227	Fluid catalytic co-processing of bio-oils with petroleum intermediates: Comparison of vapour phase low pressure hydrotreating and catalytic cracking as pretreatment. <i>Fuel</i> , <b>2021</b> , 302, 121198	7.1	6
226	Structural dynamics of an iron molybdate catalyst under redox cycling conditions studied with in situ multi edge XAS and XRD. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 11713-11723	3.6	7
225	Insights into the scalability of catalytic upgrading of biomass pyrolysis vapors using micro and bench-scale reactors. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 3780-3796	5.8	7
224	Catalytic synthesis of methacrolein via the condensation of formaldehyde and propionaldehyde with L-proline. <i>Green Chemistry</i> , <b>2020</b> , 22, 4222-4230	10	4

223	Sulfur poisoning and regeneration of Rh-ZSM-5 catalysts for total oxidation of methane. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119176	21.8	10
222	Plasma-catalytic dry reforming of methane: Screening of catalytic materials in a coaxial packed-bed DBD reactor. <i>Chemical Engineering Journal</i> , <b>2020</b> , 397, 125519	14.7	16
221	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
220	Methanol-Assisted Autocatalysis in Catalytic Methanol Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 18189-18193	16.4	8
219	Methanol-Assisted Autocatalysis in Catalytic Methanol Synthesis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 18346-18350	16.35	11
218	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
217	Catalytic upgrading of tars generated in a 100kWth low temperature circulating fluidized bed gasifier for production of liquid bio-fuels in a polygeneration scheme. <i>Energy Conversion and Management</i> , <b>2020</b> , 207, 112538	10.6	7
216	Alkali Earth Metal Molybdates as Catalysts for the Selective Oxidation of Methanol to Formaldehyde: Selectivity, Activity, and Stability. <i>Catalysts</i> , <b>2020</b> , 10, 82	4	9
215	Solvent assisted catalytic conversion of beech wood and organosolv lignin over NiMo/Al <sub>2</sub> O <sub>3</sub> . <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1844-1854	5.8	6
214	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
213	Co-processing of wood and wheat straw derived pyrolysis oils with FCC feed: Product distribution and effect of deoxygenation. <i>Fuel</i> , <b>2020</b> , 260, 116312	7.1	11
212	Bifunctional Synergy in CO Hydrogenation to Methanol with Supported Cu. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1427-1433	2.8	22
211	Comprehensive development, uncertainty and sensitivity analysis of a model for the hydrolysis of rapeseed oil. <i>Computers and Chemical Engineering</i> , <b>2020</b> , 133, 106631	4	4
210	A Rhodium-Based Methane Oxidation Catalyst with High Tolerance to H <sub>2</sub> O and SO <sub>2</sub> . <i>ACS Catalysis</i> , <b>2020</b> , 10, 1821-1827	13.1	14
209	Thermal Cracking of Sugars for the Production of Glycolaldehyde and Other Small Oxygenates. <i>ChemSusChem</i> , <b>2020</b> , 13, 688-692	8.3	11
208	Stability of Iron-Molybdate Catalysts for Selective Oxidation of Methanol to Formaldehyde: Influence of Preparation Method. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1434-1444	2.8	8
207	Catalytic hydropyrolysis of biomass using supported CoMo catalysts: Effect of metal loading and support acidity. <i>Fuel</i> , <b>2020</b> , 264, 116807	7.1	11
206	Micro-pyrolyzer screening of hydrodeoxygenation catalysts for efficient conversion of straw-derived pyrolysis vapors. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2020</b> , 150, 104868	6	6

205	Performance-screening of metal-impregnated industrial HZSM-5/Al <sub>2</sub> O <sub>3</sub> extrudates for deoxygenation and hydrodeoxygenation of fast pyrolysis vapors. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2020</b> , 150, 104892	6	7
204	Counteracting Rapid Catalyst Deactivation by Concomitant Temperature Increase during Catalytic Upgrading of Biomass Pyrolysis Vapors Using Solid Acid Catalysts. <i>Catalysts</i> , <b>2020</b> , 10, 748	4	5
203	Influence of the support on rhodium speciation and catalytic activity of rhodium-based catalysts for total oxidation of methane. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 6035-6044	5.5	4
202	Effect of the catalyst in fluid bed catalytic hydropyrolysis. <i>Catalysis Today</i> , <b>2020</b> , 355, 96-109	5.3	17
201	Performance of mesoporous HZSM-5 and Silicalite-1 coated mesoporous HZSM-5 catalysts for deoxygenation of straw fast pyrolysis vapors. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2020</b> , 145, 104712	6	12
200	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
199	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
198	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
197	Hydrodeoxygenation (HDO) of Aliphatic Oxygenates and Phenol over NiMo/MgAl <sub>2</sub> O <sub>4</sub> : Reactivity, Inhibition, and Catalyst Reactivation. <i>Catalysts</i> , <b>2019</b> , 9, 521	4	9
196	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
195	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
194	Modeling of molybdenum transport and pressure drop increase in fixed bed reactors used for selective oxidation of methanol to formaldehyde using iron molybdate catalysts. <i>Chemical Engineering Science</i> , <b>2019</b> , 202, 347-356	4.4	9
193	Site selective adsorption and relocation of SO <sub>x</sub> in deactivation of CuCHA catalysts for NH <sub>3</sub> -SCR. <i>Reaction Chemistry and Engineering</i> , <b>2019</b> , 4, 1081-1089	4.9	11
192	Mapping Support Interactions in Copper Catalysts. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 649-659	2.3	16
191	The Influence of Active Phase Loading on the Hydrodeoxygenation (HDO) of Ethylene Glycol over Promoted MoS <sub>2</sub> /MgAl <sub>2</sub> O <sub>4</sub> Catalysts. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 752-763	2.3	3
190	Mathematical Modelling and Simulation of a Trickle-Bed Reactor for Hydrotreating of Petroleum Feedstock. <i>International Journal of Chemical Reactor Engineering</i> , <b>2019</b> , 17,	1.2	2
189	Operando XAS/XRD and Raman Spectroscopic Study of Structural Changes of the Iron Molybdate Catalyst during Selective Oxidation of Methanol. <i>ChemCatChem</i> , <b>2019</b> , 11, 4871-4883	5.2	16
188	Selective Catalytic Reduction of NO <sub>x</sub> over V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> -TiO <sub>2</sub> SCR Catalysts: A Study at Elevated Pressure for Maritime Pre-turbine SCR Configuration. <i>Emission Control Science and Technology</i> , <b>2019</b> , 5, 263-278	2	8

187	Deactivation of a CoMo Catalyst during Catalytic Hydropyrolysis of Biomass. Part 1. Product Distribution and Composition. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 12374-12386	4.1	8
186	Deactivation of a CoMo Catalyst during Catalytic Hydropyrolysis of Biomass. Part 2. Characterization of the Spent Catalysts and Char. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 12387-12402	4.1	5
185	Modeling of the molybdenum loss in iron molybdate catalyst pellets for selective oxidation of methanol to formaldehyde. <i>Chemical Engineering Journal</i> , <b>2019</b> , 361, 1285-1295	14.7	13
184	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
183	Liquefaction of Lignosulfonate in Supercritical Ethanol Using Alumina-Supported NiMo Catalyst. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 1196-1209	4.1	8
182	Hydrogen assisted catalytic biomass pyrolysis. Effect of temperature and pressure. <i>Biomass and Bioenergy</i> , <b>2018</b> , 115, 97-107	5.3	27
181	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
180	SO <sub>2</sub> Oxidation Across Marine V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> -TiO <sub>2</sub> SCR Catalysts: a Study at Elevated Pressure for Preturbine SCR Configuration. <i>Emission Control Science and Technology</i> , <b>2018</b> , 4, 289-299	2	2
179	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
178	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
177	Pressure Induced Effects During In Situ Characterization of Supported Metal Catalysts. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 240-241	0.5	
176	Solvothermal Conversion of Lignosulfonate Assisted by Ni Catalyst: Investigation of the Role of Ethanol and Ethylene Glycol as Solvents. <i>Catalysts</i> , <b>2018</b> , 8, 502	4	3
175	Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> on Cu-, Fe-, and Mn-Zeolites Prepared by Impregnation: Comparison of Activity and Hydrothermal Stability. <i>Journal of Chemistry</i> , <b>2018</b> , 2018, 1-11	2.3	14
174	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
173	Transportation fuels from biomass fast pyrolysis, catalytic hydrodeoxygenation, and catalytic fast hydropyrolysis. <i>Progress in Energy and Combustion Science</i> , <b>2018</b> , 68, 268-309	33.6	122
172	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
171	Reaction mechanism of dimethyl ether carbonylation to methyl acetate over mordenite: a combined DFT/experimental study. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1141-1152	5.5	35
170	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

169	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
168	A simplified kinetic and mass transfer modelling of the thermal hydrolysis of vegetable oils. <i>Computer Aided Chemical Engineering</i> , <b>2017</b> , 40, 1177-1182	0.6	1
167	Solvent consumption in non-catalytic alcohol solvolysis of biorefinery lignin. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 2006-2015	5.8	9
166	Modeling Deactivation of Catalysts for Selective Catalytic Reduction of NO <sub>x</sub> by KCl Aerosols. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 13020-13033	3.9	4
165	Noncatalytic Direct Liquefaction of Biorefinery Lignin by Ethanol. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 7223-7233	11	19
164	Modelling of an adiabatic trickle-bed reactor with phase change. <i>Computer Aided Chemical Engineering</i> , <b>2017</b> , 40, 115-120	0.6	2
163	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
162	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
161	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
160	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
159	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
158	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
157	Direct upgrading of fast pyrolysis lignin vapor over the HZSM-5 catalyst. <i>Green Chemistry</i> , <b>2016</b> , 18, 1965-1975	10	92
156	Visualizing the mobility of silver during catalytic soot oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 183, 28-36	21.8	52
155	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
154	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
153	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
152	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

151	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
150	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
149	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
148	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
147	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
146	MnFe/Al <sub>2</sub> O <sub>3</sub> Catalyst Synthesized by Deposition Precipitation for Low-Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> . <i>Catalysis Letters</i> , <b>2015</b> , 145, 1724-1732	2.8	18
145	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
144	Mn/TiO <sub>2</sub> and MnFe/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
143	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
142	Ketene as a Reaction Intermediate in the Carbonylation of Dimethyl Ether to Methyl Acetate over Mordenite. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7369-7372	3.6	6
141	A Framework for Modular Modeling of the Diesel Engine Exhaust Gas Cleaning System. <i>Computer Aided Chemical Engineering</i> , <b>2015</b> , 37, 455-460	0.6	3
140	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
139	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
138	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
137	Modeling of temperature profiles in an environmental transmission electron microscope using computational fluid dynamics. <i>Ultramicroscopy</i> , <b>2015</b> , 152, 1-9	3.1	12
136	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
135	High Pressure CO Hydrogenation Over Bimetallic Pt <sub>10</sub> Catalysts. <i>Catalysis Letters</i> , <b>2014</b> , 144, 777-782	2.8	11
134	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

133	Structure, activity and kinetics of supported molybdenum oxide and mixed molybdenum-vanadium 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
132	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
131	Trends in the Hydrodeoxygenation Activity and Selectivity of Transition Metal Surfaces. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1968-1972	2.8	12
130	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
129	Effect of Fe doping on low temperature deNO <sub>x</sub> activity of high-performance vanadia anatase nanoparticles. <i>Catalysis Communications</i> , <b>2014</b> , 56, 110-114	3.2	14
128	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
127	Hydrothermally Stable Fe/W/Ti SCR Catalysts Prepared by Deposition-Precipitation. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1170-1177	2.8	8
126	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
125	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
124	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
123	Electron Microscopy Study of the Deactivation of Nickel Based Catalysts for Bio Oil Hydrodeoxygenation. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 458-459	0.5	
122	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
121	Ceria Prepared by Flame Spray Pyrolysis as an Efficient Catalyst for Oxidation of Diesel Soot. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1661-1666	2.8	10
120	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
119	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
118	Pilot-scale investigation and CFD modeling of particle deposition in low-dust monolithic SCR DeNO <sub>x</sub> catalysts. <i>AIChE Journal</i> , <b>2013</b> , 59, 1919-1933	3.6	13
117	Supported molybdenum carbide for higher alcohol synthesis from syngas. <i>Catalysis Today</i> , <b>2013</b> , 215, 162-168	5.3	36
116	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



115	Fluid phase equilibria during propylene carbonate synthesis from propylene oxide in carbon dioxide medium. <i>Journal of Supercritical Fluids</i> , <b>2013</b> , 82, 106-115	4.2	7
114	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
113	Steam reforming of light oxygenates. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 3292	5.5	30
112	Sulfation of Condensed Potassium Chloride by SO <sub>2</sub> . <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 3283-3289	4.1	28
111	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
110	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
109	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
108	Characterization of Residual Particulates from Biomass Entrained Flow Gasification. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 262-270	4.1	38
107	NO Reduction over Biomass and Coal Char during Simultaneous Combustion. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 7817-7826	4.1	21
106	Co-firing of Coal with Biomass and Waste in Full-Scale Suspension-Fired Boilers <b>2013</b> , 781-800		1
105	Selective oxidation of benzyl alcohol in dense CO <sub>2</sub> : Insight by phase behavior modeling. <i>Journal of Supercritical Fluids</i> , <b>2012</b> , 63, 199-207	4.2	11
104	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
103	Soot Reactivity in Conventional Combustion and Oxy-fuel Combustion Environments. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5337-5344	4.1	19
102	CO hydrogenation to methanol on CuNi catalysts: Theory and experiment. <i>Journal of Catalysis</i> , <b>2012</b> , 293, 51-60	7.3	163
101	Fluid phase equilibria of the reaction mixture during the selective hydrogenation of 2-butenal in dense carbon dioxide. <i>Applied Catalysis A: General</i> , <b>2012</b> , 443-444, 67-75	5.1	6
100	Ethanol-selective catalytic reduction of NO by Ag/Al <sub>2</sub> O <sub>3</sub> catalysts: Activity and deactivation by alkali salts. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 127, 323-329	21.8	3
99	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
98	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

97	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
96	Dynamic measurement of mercury adsorption and oxidation on activated carbon in simulated cement kiln flue gas. <i>Fuel</i> , <b>2012</b> , 93, 649-657	7.1	17
95	High-temperature entrained flow gasification of biomass. <i>Fuel</i> , <b>2012</b> , 93, 589-600	7.1	115
94	Catalytic steam reforming of bio-oil. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 6447-6472	6.7	305
93	Multi-scale modeling for prediction of distributed cellular properties in response to substrate spatial gradients in a continuously run microreactor. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 545-549	8.6	1
92	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
91	Experimental methods and modeling techniques for description of cell population heterogeneity. <i>Biotechnology Advances</i> , <b>2011</b> , 29, 575-99	17.8	90
90	Alkali Resistant Fe-Zeolite Catalysts for SCR of NO with NH <sub>3</sub> in Flue Gases. <i>Topics in Catalysis</i> , <b>2011</b> , 54, 1286-1292	2.3	19
89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	Coupling of Alcohols over Alkali-Promoted Cobalt Molybdenum Sulfide. <i>ChemCatChem</i> , <b>2010</b> , 2, 523-526	5.2	26
81	The effect of low-NO <sub>x</sub> combustion on residual carbon in fly ash and its adsorption capacity for air entrainment admixtures in concrete. <i>Combustion and Flame</i> , <b>2010</b> , 157, 208-216	5.3	8
80	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

79	Oxy-fuel combustion of solid fuels. <i>Progress in Energy and Combustion Science</i> , <b>2010</b> , 36, 581-625	33.6	819
78	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
77	Inactivation of a solid-state detergent protease by hydrogen peroxide vapor and humidity. <i>Journal of Biotechnology</i> , <b>2009</b> , 141, 73-9	3.7	5
76	Heterogeneous fixation of N <sub>2</sub> : Investigation of a novel mechanism for formation of NO. <i>Proceedings of the Combustion Institute</i> , <b>2009</b> , 32, 1973-1980	5.9	12
75	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
74	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
73	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
72	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
71	Biomass Suspension Combustion: Effect of Two-Stage Combustion on NO <sub>x</sub> Emissions in a Laboratory-Scale Swirl Burner. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 1398-1405	4.1	12
70	Fluidized-Bed Coating with Sodium Sulfate and PVAlTiO <sub>2</sub> , 2. Influence of Coating Solution Viscosity, Stickiness, pH, and Droplet Diameter on Agglomeration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 1905-1913	3.9	9
69	Fluidized-Bed Coating with Sodium Sulfate and PVAlTiO <sub>2</sub> , 1. Review and Agglomeration Regime Maps. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 1893-1904	3.9	15
68	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
67	Post-treatment of Fly Ash by Ozone in a Fixed Bed Reactor. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 280-285	4.1	2
66	Fluidized-Bed Coating with Sodium Sulfate and PVAlTiO <sub>2</sub> , 3. The Role of Tackiness and the Tack Stokes Number. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 1914-1920	3.9	6
65	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
64	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
63	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
62	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

61	Evaluation method for the drying performance of enzyme containing formulations. <i>Biochemical Engineering Journal</i> , <b>2008</b> , 40, 121-129	4.2	11
60	Validation of the flux number as scaling parameter for top-spray fluidised bed systems. <i>Chemical Engineering Science</i> , <b>2008</b> , 63, 815-828	4.4	12
59	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
58	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
57	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
56	Process development of continuous glycerolysis in an immobilized enzyme-packed reactor for industrial monoacylglycerol production. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 7786-92	5.7	17
55	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
54	Ash transformation during co-firing coal and straw. <i>Fuel</i> , <b>2007</b> , 86, 1008-1020	7.1	127
53	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
52	Production of heat-sensitive monoacylglycerols by enzymatic glycerolysis in tert-pentanol: Process optimization by response surface methodology. <i>JAACS, Journal of the American Oil Chemists Society</i> , <b>2006</b> , 83, 27-33	1.8	41
51	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
50	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
49	Investigation of the Anisotropic Behavior of Wood Char Particles during Gasification. <i>Energy &amp; Fuels</i> , <b>2006</b> , 20, 2233-2238	4.1	9
48	Comments to Analysis of constant rate period of spray drying of slurry by Liang et al., 2001. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 2096-2100	4.4	2
47	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
46	Formation and reduction of nitric oxide in fixed-bed combustion of straw. <i>Fuel</i> , <b>2006</b> , 85, 705-716	7.1	76
45	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
44	Effects of mixing on ammonia oxidation in combustion environments at intermediate temperatures. <i>Proceedings of the Combustion Institute</i> , <b>2005</b> , 30, 1193-1200	5.9	19

43	Impact and attrition shear breakage of enzyme granules and placebo particles-application to particle design and formulation. <i>Powder Technology</i> , <b>2005</b> , 149, 157-167	5.2	8
42	Numerical modeling of straw combustion in a fixed bed. <i>Fuel</i> , <b>2005</b> , 84, 389-403	7.1	167
41	Comparative study of reactivity to CO <sub>2</sub> of cokes used in stone wool production. <i>Fuel Processing Technology</i> , <b>2005</b> , 86, 551-563	7.2	7
40	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
39	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
38	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
37	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
36	NH <sub>3</sub> oxidation catalyzed by partially sulphated limestone modelling and experimental work. <i>Fuel</i> , <b>2004</b> , 83, 237-251	7.1	17
35	Reactivity of coal char in reducing NO. <i>Combustion and Flame</i> , <b>2004</b> , 136, 249-253	5.3	23
34	Post-processing of detailed chemical kinetic mechanisms onto CFD simulations. <i>Computers and Chemical Engineering</i> , <b>2004</b> , 28, 2351-2361	4	23
33	Experimental and Modeling Study of Biomass Reburning. <i>Energy &amp; Fuels</i> , <b>2004</b> , 18, 1442-1450	4.1	28
32	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
31	Modelling of In-Line Low-NO <sub>x</sub> Calciners NO <sub>x</sub> Emission. <i>Chemical Engineering Research and Design</i> , <b>2003</b> , 81, 537-548	5.5	1
30	Experimental investigation and modelling of heat capacity, heat of fusion and melting interval of rocks. <i>Thermochimica Acta</i> , <b>2003</b> , 406, 129-142	2.9	12
29	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
28	An experimental study of biomass ignition?. <i>Fuel</i> , <b>2003</b> , 82, 825-833	7.1	76
27	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
26	Application of a Mathematical Model of a Mineral Melting Cupola. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6893-6897	3.9	

25	Heat Transfer in a Fixed Bed of Straw Char. <i>Energy &amp; Fuels</i> , <b>2003</b> , 17, 1251-1258	4.1	20
24	Activation Energy Distribution of Thermal Annealing of a Bituminous Coal. <i>Energy &amp; Fuels</i> , <b>2003</b> , 17, 399-404	4.1	19
23	Investigation of a Mineral Melting Cupola Furnace. Part I. Experimental Work. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6872-6879	3.9	5
22	Investigation of a Mineral Melting Cupola Furnace. Part II. Mathematical Modeling. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6880-6892	3.9	8
21	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
20	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
19	Modeling of in-line low-NO <sub>x</sub> calciners – parametric study. <i>Chemical Engineering Science</i> , <b>2002</b> , 57, 789-803	4.4	13
18	Experimental study of char thermal deactivation. <i>Fuel</i> , <b>2002</b> , 81, 1065-1075	7.1	70
17	NH <sub>3</sub> oxidation catalysed by calcined limestone – kinetic study. <i>Fuel</i> , <b>2002</b> , 81, 1871-1881	7.1	34
16	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
15	Formation of NO from combustion of volatiles from municipal solid wastes. <i>Combustion and Flame</i> , <b>2001</b> , 124, 195-212	5.3	18
14	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
13	Influence of experimental protocol on activation energy in char gasification: the effect of thermal annealing. <i>Fuel</i> , <b>2001</b> , 80, 1029-1032	7.1	10
12	Reduction of NO over Wheat Straw Char. <i>Energy &amp; Fuels</i> , <b>2001</b> , 15, 1359-1368	4.1	53
11	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
10	The influence of H <sub>2</sub> O and CO <sub>2</sub> on the reactivity of limestone for the oxidation of NH <sub>3</sub> . <i>Fuel</i> , <b>2000</b> , 79, 1449-1454	7.1	19
9	Modelling and experiments of straw combustion in a grate furnace. <i>Biomass and Bioenergy</i> , <b>2000</b> , 19, 199-208	5.3	130
8	Mixing Effects in the Selective Noncatalytic Reduction of NO. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 3221-3232	3.9	16

7	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
6	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
5	Catalytic and gas-solid reactions involving HCN over limestone. <i>AIChE Journal</i> , <b>1997</b> , 43, 3070-3084	3.6	20
4	Modelling of NO <sub>x</sub> emissions from pressurized fluidized bed combustion – parameter study. <i>Chemical Engineering Science</i> , <b>1997</b> , 52, 1715-1731	4.4	18
3	Kinetic NO modelling and experimental results from single wood particle combustion. <i>Fuel</i> , <b>1997</b> , 76, 671-682	7.1	24
2	Formation and reduction of NO <sub>x</sub> in pressurized fluidized bed combustion of coal. <i>Fuel</i> , <b>1995</b> , 74, 1555-1569	6.3	63
1	A Review of Recent Research on Catalytic Biomass Pyrolysis and Low-Pressure Hydrolysis. <i>Energy &amp; Fuels</i> ,	4.1	3