<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low NO\textsubscript{x} Slag Tap Firing for a Low Emission Boiler System (LEBS)</td>
<td>1</td>
</tr>
<tr>
<td>Diagnostics of Burning Process</td>
<td>15</td>
</tr>
<tr>
<td>Large Scale CFB Combustion Demonstration Project</td>
<td>23</td>
</tr>
<tr>
<td>Cofiring Urban Wood Waste with Powder River Basin Coal at the Michigan City Generating Station</td>
<td>35</td>
</tr>
<tr>
<td>Two Paths for the High Performance Power Systems (HIPPS)</td>
<td>47</td>
</tr>
<tr>
<td>Life Cycle Assessment of Coal Fired Power Plants</td>
<td>59</td>
</tr>
<tr>
<td>Diagnostics Measurements in the Combustion Chamber of the Circulating Fluidized Bed Boiler</td>
<td>61</td>
</tr>
<tr>
<td>Preparing Advanced Coal-Based Power Systems for the 21st Century at the Power Systems Development Facility in Wilsonville, Alabama</td>
<td>69</td>
</tr>
<tr>
<td>Catalytic Membrane Reactors for Oxygen Blown Coal Gasification of Coal Fines</td>
<td>79</td>
</tr>
<tr>
<td>Characterization of Solid Fuels at Pressurized Fluidized Bed Gasification Conditions</td>
<td>81</td>
</tr>
<tr>
<td>Improving Fineness and Firing Efficiency of Selected Biomass Fuels</td>
<td>93</td>
</tr>
<tr>
<td>Emissions from Burning Tire-Derived Fuel (TDF) - Comparison of Batch Combustion of Tire Chips and Continuous Combustion of Tire Crumb Mixed with Coal</td>
<td>95</td>
</tr>
<tr>
<td>Combustion Behavior of Black Liquor Fuel</td>
<td>107</td>
</tr>
<tr>
<td>Overview and Preliminary Results from Life Cycle Assessments of Direct and Indirect Liquefaction-Derived Fuels</td>
<td>109</td>
</tr>
<tr>
<td>Advances in Liquid Phase Technology</td>
<td>111</td>
</tr>
<tr>
<td>Refining and End Use Study of Coal-Derived Liquids</td>
<td>123</td>
</tr>
<tr>
<td>Overview of the 150 t/d NEDOL Coal Liquefaction Pilot Plant Project</td>
<td>135</td>
</tr>
<tr>
<td>Coal or Natural Gas for Ecofuel Production</td>
<td>141</td>
</tr>
<tr>
<td>A Novel Configuration for Coproducing Transportation Fuels and Power from Coal and Natural Gas</td>
<td>149</td>
</tr>
<tr>
<td>Preliminary Feasibility Study of A Direct Coal Liquefaction Commercial Plant in People's Republic of China</td>
<td>157</td>
</tr>
<tr>
<td>Integration of Waste Pyrolysis with Coal/Oil Coprocessing</td>
<td>159</td>
</tr>
<tr>
<td>Feasibility Study for a Demonstration Plant for Liquefaction and Coprocessing of Waste Plastics and Tires</td>
<td>171</td>
</tr>
<tr>
<td>Evaluation of Dispersed Mo Catalysts for Direct Coal Liquefaction</td>
<td>179</td>
</tr>
<tr>
<td>The Reactivity of Direct Coal Liquefaction Resids</td>
<td>189</td>
</tr>
<tr>
<td>An Industry Perspective on Mid- and Long-term Coal RandD Needs for Electric Power Generation</td>
<td>199</td>
</tr>
<tr>
<td>The Kyoto Treaty - What Does It Mean for Coal?</td>
<td>201</td>
</tr>
<tr>
<td>Role of Advanced Coal Technologies in Achieving CO\textsubscript{2} Stabilization</td>
<td>203</td>
</tr>
<tr>
<td>Vision 21 - A Technical Strategy for Coal in the Next Century</td>
<td>205</td>
</tr>
<tr>
<td>Prospective Utilization of Coals and Coal Cleaning Wastes in the Heat Power Industry of Ukraine</td>
<td>207</td>
</tr>
<tr>
<td>Advanced Coal Technologies in Czech Heat and Power Systems</td>
<td>219</td>
</tr>
</tbody>
</table>
Particle and Emission Behavior of Raw and Predried Lignite in a 20kw and in a 500 kw Test Facility

Relevance of Clean Coal Technologies to the Developing Countries

Mercury Emissions Control Strategies for Coal-Fired Power Plants

Operation Results of the First Commercial PFBC Plant with High Temperature Ceramic Filters

Gas Turbines for Advanced Circulating Pressurized Fluidized Bed Combustion (APFBC) Repowering

The Critical Issues of Indian Coal Fired Utility Boiler Operation

Evaluation of Clean Coal Technologies with Coals of India

The Use of Coal Combustion By-Products to Control Acid Mine Drainage

Marketable Products from Gypsum, A Coal Combustion Byproduct Derived from a Wet Flue Gas Desulfurization Process

Agricultural Use of a Flue Gas Desulfurization By-Product

Elemental Sulfur From Regenerable FGD and IGCC Processes

Use of FGD as an Impervious Liner

Utilization of Coal Combustion By-Products in Ohio

Comprehensive Study on Thermal Behavior of Fly Ash and Its Effect on Ash Deposition

Coal Quality and Utility Boiler Information System in China and the Flexibility Between Coals and Boilers

Co-Firing Coal Water Slurry Fuel on a Tangentially-Fired Boiler

Cofiring Wood Waste with Coal at the Seward Generating Station

Combustion Characteristics of Coal with Waste in Cofiring

The Possibility of Biomasses and Coal Co-Firing in the Czech Republic

Densified Engineering Fuels

Fluesorbent FGD at the Burger and Lausche Plants

Startup and Successful Optimization Program for the Lime Semi-Dry Flue Gas Desulfurization System for the CEZ Power Plant Ledvice

Combined SO$^{2-}$ and NO$^{x}$ Control with the COBRA Process

Petrological Characteristics of Calcium Based Absorbent and Its Effects on Grinding and Calcination/Desulfurization Property

Increased Cost-Effectiveness of Low-Grade Fossil Fuels Using Ammonia FGD

Design Enhancements and Optimization of Dry Flue Gas Desulfurization Systems

Recent Advances in Use of Magnesium-Enhanced FGD Processes Include a Natural Oxidation Limestone Scrubber Conversion and the First Commercial ThioClear Application

Reduction of HCl, S$^{2-}$ and NO$^{x}$ Emissions of Powerplants Using Organic Salts of Calcium

A Combined S$^{2-}$ and NO$^{x}$ Scrubbing Process

Ammonia Scrubbing Makes High Sulfur Fuels Economical

The Linear VGA Nozzle - A Versatile Tool for Coal Utilization

Flue Gas Interactions of Mercury, Chlorine and Ash During Coal Combustion
Coal Based Fuels, Fuel Systems and Alternative Fuels  
Comparison of Coals for Unstaged, Air Staged and Fuel Staged Combustion with Respect to NO\textsubscript{x} Emissions and Burnout  
Wall-Fired Low NO\textsubscript{x} Burner Design for Phase II NO\textsubscript{x} Control  
Latest Developments and Application of DB Riley's Low NO\textsubscript{x} CCV Burner Technology  
Pulverized Coal NO\textsubscript{x} Control: Recent Experience with an Advanced Low NO\textsubscript{x} Burner Retrofit  
Aquifer Disposal of Carbon Dioxide for Greenhouse Effect Mitigation  
The Need for Carbon Dioxide Disposal: A Threat and an Opportunity  
The Kinetics of Binding Carbon Dioxide in Magnesium Carbonate  
Carbon Dioxide Storage Potential in Coalbeds: A Near-Term Consideration for the Fossil Energy Industry  
Cost/Feasibility of Converting U.S. Coal-Fired Power Plants to Natural Gas for CO\textsubscript{2} Control  
Carbon Dioxide Sequestering Using Ultramafic Rocks  
CO\textsubscript{2} Capture, Reuse and Sequestration Technologies for Mitigating Global Climate Change  
Fossil Fuel Decarbonization Technology for Mitigating Global Warming  
Separation and Sequestration Processes for Treating Multicomponent Gas Streams  
Conversion of an 800 MW Oil Fired Generating Unit to Burn Orimulsion  
Demonstration of Orimulsion Reburning on a Coal-Fired Utility Boiler  
Coal System Improvements at Union Electric's Labadie Plant  
Ultra High Efficiency ESP Development for Air Toxics and Fine Particulate Removal - Phase I Mercury Removal Investigations  
ElectroCore Separator for Particulate Air Emissions  
Perspectives on Utilization of Coal in Minas Gerais State, Brazil  
Policy for Coal Technological Research and Development in Colombia: Work Priorities and Achievements in the Last Five Years  
Use of Coal in Peru as an Alternative in the Economic Dispatch System  
Recovery of Ultrafine Bituminous Coal from Screen Bowl Centrifuge Effluent: A Possible Feedstock for Coal-Water Slurry Fuels?  
Electric Utility CWS Firing Options to Reduce NO\textsubscript{x} Emissions  
A Study of the Solvent/Binder Combination for Viscosity Reduction of Orimulsion in Fine Coal Dewatering  
GranuFlow - A Technology for Reducing Moisture and Enhancing Coal Handleability  
Dewatering/Reconstitution of Fine Clean Coal Slurry  
Economics of Waste Coal Utilization in Indiana  
Assessment of the Technical and Economic Feasibility of Coal Sludge slurries  
Biomass and Cofiring: Coal, Upgraded Coal, The Experience and the Future  
Coal Cleaning for HAP's Control: Cost and Performance
Velocity Profiles of Granules in Moving Bed Filters for Flue Gas Cleanup p. 783
Highly Attrition Resistant Sorbents for Desulfurization of Hot Coal Gases p. 795
Ceramic Filters for Fine Particulate Removal in Coal-Fired Industrial Boilers p. 807
Stagnant Zones in Granular Moving Bed Filters for Flue Gas Cleanup p. 819
High Temperature Dust Filtration Downstream of a Coal/Biomass Fueled Gasifier Using a Ceramic Channel-Flow Filter p. 831
Distribution of Trace Elements in Coal and Coal Derived Products by Mild Pyrolysis p. 833
Compilation of Data on Strippable Fort Union Coals in the Northern Rocky Mountains and Great Plains Region: A CD-ROM Presentation p. 839
The Methods of Decreasing of Chemical Activity of Coals p. 859
Effects of Coal Characteristics and Combustion Conditions on Slagging Behavior of Coal Blends p. 863
Study on Development Strategy of Coal Pipeline Transportation in China p. 875
Piston Diaphragm Pumps: An Economic and Reliable Tool for Slurry Pipeline Transportation p. 877
Polymer Drag Reduction in Large Diameter Coal Log Pipeline p. 889
Progress in Rapid Compaction of Coal Logs for Freight Pipelines p. 901
New Slurry Pumps in China p. 911
Test of a New Machine to Compact Coal, Coal Fines and Solid Wastes p. 923
An Investigation of Operating Variables in the Fine Coal Dewatering and Briquetting Process p. 933
Coal Beneficiation - Sulfur Removal Using Methanol: Overview, Kinetic Modelling and Program Assessment p. 945
Low Rank Coals Upgrading by Mild Pyrolysis Technique p. 947
Trace Element Emissions When Firing Pulverized Coal in a Pilot Scale Combustion Facility p. 953
HAPs Emissions When Firing Coal-Based Fuels in a Pilot Scale Combustion Facility and Small Industrial Boiler - Part B: Polynuclear Aromatic Hydrocarbon (PAH) Emissions p. 965
Elements of Environmental Concern in the 1990 Clean Air Act Amendments: A Perspective of Fort Union Coals in Northern Rocky Mountains and Great Plains Region p. 967
Heavy Metals and Coal Combustion p. 977
Comprehensive Analysis of Heavy Metal Streams in Pulverized Coal-Fired Boilers Taking Into Account Different Operating Conditions p. 987
Comparative Method Studies for the Speciation and Quantification of Mercury in Flue-Gas from Coal-Fired Boilers p. 999
The Implications of New Toxic Release Inventory Requirements for Coal Utilization and RandD Needs p. 1011
The Reduction of Gas Phase Air Toxics from Combustion and Incineration Sources Using the GE-Mitsui-BF Activated Coke Process p. 1023
Removal of Trace Metal and Organic Toxic Vapor Emissions from Coal Boiler Flue Gas in a Condensing Heat Exchanger p. 1035
Optimization and Structure of Gas Jet Diffusion Flames in Venturi-Cascade Burners p. 1047
Supercritical Water Fuel Cleaning for Improved Combined Cycle Performance p. 1057
The Methods of Steam Coals Usage for Coke Production p. 1069
Capture and Destruction of Soot Emissions from Diesel Engines Used in Power Generation p. 1075
Alaska Low-Rank Coal-Water Fuel - Diesel Demonstration, Phase 2 - Construction p. 1087
Premium Coal-Water Fuel (CWF) p. 1099
Rheology of Petroleum Coke-Water Slurry p. 1109
Study on Mechanics Model of the Sinking Process of UCMCWS p. 1117
Study on Flow Resistance and Heat Transfer for Petroleum Coke-Residual Oil Slurry in Pipelines p. 1119
Study on Emission and Retention of Fluorine During Coal Combustion in the Chain-grate Furnace p. 1129
Determination of Pressure Loss and Optimum Concentration in Tailings Slurry Pipeline p. 1139

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.