

Biofuels

ADA519649

Nitrogen and Phosphorus Biomass-Kinetic Model for *Chlorella vulgaris* in a Biofuel Production Scheme.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Engineering and Management.

2010, 111p

AFIT/GES/ENV/10-M04

Related Categories/Sub-categories:

57C (Botany)

57Z (Zoology)

57K (Microbiology),

99D (Basic & Synthetic Chemistry)

97K (Fuels)

Keywords: Chlorella, Nitrogen, Jet engine fuels.

ADA524125

Corrosion-Related Consequences of Biodiesel in Contact with Natural Seawater.

Naval Research Lab., Stennis Space Center, MS. Oceanography Div.

2010, 19p

Related Categories/Sub-categories:

57K (Microbiology)

71N (Nonferrous Metals & Alloys)

97K (Fuels)

Keywords: Diesel fuels, Microorganisms, Sea water.

ADA556484

Development of a Spherical Combustion Chamber for Measuring Laminar Flame Speeds in Navy Bulk Fuels and Biofuel Blends.

Naval Postgraduate School, Monterey, CA.

2011, 83p

Related Categories/Sub-categories:

81A (Combustion & Ignition)

97K (Fuels)

Keywords: Combustion chambers, Flames, Bombs.

ADA556489

Cost Estimation of Biofuels for Naval Aviation: Budgeting for the Great Green Fleet.

Naval Postgraduate School, Monterey, CA.

2011, 79p

Related Categories/Sub-categories:

96 (Business & Economics)

97K (Fuels)

Keywords: Biomass, Naval budgets, Cost analysis.

ADA556534

Federal Non-Tactical Vessel (FNTV) Biodiesel Initiative.

Corps of Engineers, Washington, DC.

2011, 11p

Related Categories/Sub-categories:

97K (Fuels)

Keywords: Diesel fuels, Biomass, Boats.



ADA562379

Unintended Consequences: Potential Downsides of the Air Force's Conversion to Biofuels.

Air Univ., Maxwell AFB, AL. Air Force Research Inst.

2011, 7p

Related Categories/Sub-categories:

57B (Biochemistry)

97K (Fuels)

74E (Logistics Military Facilities, & Supplies)

Keywords: Air force, Biomass, Fuels.

ADA564238

Biodiesel: Paving the Way for DoD's Renewable Future.

National Defense Center for Energy and Environment, Johnstown, PA.

2011, 40p

Related Categories/Sub-categories:

79D (Combat Vehicles)

97K (Fuels)

Keywords: Demonstrations, Diesel fuels, Ground vehicles.

DE2010974464

Analysis of Biodiesel Blends Samples Collected in the United States in 2008.

National Renewable Energy Lab., Golden, CO.

2010, 25p

Related Categories/Sub-categories:

97K (Fuels)

99B (Industrial Chemistry & Chemical Process Engineering)

Keywords: Biomass fuels, Petroleum, Energy conservation.

Newsletter

National Technical Reports Library

Purpose: To bring you a sampling of the latest documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

Director: Bruce Borzino

Associate Director for Product Management & Acquisition: Don Hagen

Manager, Cataloging/Indexing Division: Sue Feindt

Manager, Product & Program Management: Wayne Strickland

Contributing Program Manager: Christie Langone

Technical Information Specialist: Greg Guthrie

508 & Accessibility: Rahsaan Williams

Design & Layout: Brian Congdon

This Newsletter is published twelve times a year, and delivered via e-mail on or about the 15th of each month. You may subscribe or unsubscribe by writing to ntrnews@ntis.gov. We can only unsubscribe you if you receive your copy from ntrnews@ntis.gov. Copies are also re-distributed through listservs and by other subscribers. For back issues to the Newsletter [click here](#).

The ntrnews subscribers list is not shared with any other entities for any purpose. Your comments are always welcome. Write us at ntrnews@ntis.gov.

Connect with NTIS on [Facebook](#) & [Twitter](#)



Permission to redistribute this newsletter is granted.

National Technical Information Service
U.S. Department of Commerce
5301 Shawnee Road
Alexandria, VA 22312



DE2010979832

Life Cycle Assessment Comparing the Use of Jatropha Biodiesel in the Indian Road and Rail Sectors.

National Renewable Energy Lab., Golden, CO. 2010, 143p
NREL/TP-6A2-47462

Related Categories/Sub-categories:

97K (Fuels)
97B (Energy Use, Supply, & Demand)
85 (Transportation)
68 (Environmental Pollution & Control)
Keywords: Life cycle assessment, Biodiesel, Fuel consumption.

DE2010984182

Biodiesel Vehicle and Infrastructure Codes and Standards Citations.

National Renewable Energy Lab., Golden, CO. 2010, 21p
NREL/BR-560-48603

Related Categories/Sub-categories:

97K (Fuels)
85H (Road Transportation)
Keywords: Diesel fuels, Biomass fuels, Vehicles.

DE20111008109

Biofuel Impacts on Water.

Sandia National Labs., Albuquerque, NM. 2011, 31p
SAND2011-0168

Related Categories/Sub-categories:

97K (Fuels)
97F (Fuel Conversion Processes)
97R (Environmental Studies)
Keywords: Biofuels, Water, Production, Ethanol.

Key to Database Fields Used

The following NTIS database fields are used in this short listing of recently acquired technical reports.

- **NTIS Order Number**
- **Title**
- **Source**
- **Report Year, Page Count**
- **Report Number/ISBN13** (if available)
- **Related Categories/Sub-categories** (where the document is also indexed)
- **Keywords**

RSS Feeds are available in your choice of NTIS Subject Category. For information use the RSS link on the NTIS Homepage and look for the Category RSS Feeds button.

**DE20111011221**

Trojan Horse Strategy for Deconstruction of Biomass for Biofuels Production.

Sandia National Labs., Albuquerque, NM. 2011, 50p
SAND2011-1140

Related Categories/Sub-categories:

97K (Fuels)
99B (Industrial Chemistry & Chemical Process Engineering)
85H (Road Transportation)
Keywords: Biomass, Production, Renewable energy sources.

DE20111019036

Biofuel Production Initiative at Claflin University.

Department of Energy, Washington, DC. Office of Energy Efficiency and Renewable Energy. 2011, 57p

Related Categories/Sub-categories:

97K (Fuels)
99B (Industrial Chemistry & Chemical Process Engineering)
68 (Environmental Pollution & Control)
Keywords: Biofuels, Fossil fuels, Renewable energy resources.

DE20111019208

Brief Literature Overview of Various Routes to Biorenewable Fuels from Lipids for the National Alliance for Advanced Biofuels and Bio-products (NAABB) Consortium.

Pacific Northwest National Lab., Richland, WA. 2011, 16p
PNNL-20279

Related Categories/Sub-categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
85H (Road Transportation)
Keywords: Biofuels, Renewable energy sources, Algae.

ADA474420

Propulsion and Power Rapid Response Research and Development Support. Delivery Order 0042: Demonstration and Evaluation of Fischer-Tropsch Research Fuels for the DoD Assured Fuels Program.

Universal Technology Corp., Dayton, OH. 2006, 131p
AFRL-PR-WP-TR-2007-2112

Related Categories/Sub-categories:

97K (Fuels)
Keywords: Fuels, Propulsion systems, Chemical reactions.

ADA512268

Evaluation of Suppression of Synthetic Paraffinic Kerosene (SPK) Fuel Fires with Aqueous Film Forming Foam (AFFF).

Applied Research Associates, Inc., Tyndall AFB, FL. 2009, 28p

Related Categories/Sub-categories:

57U (Public Health & Industrial Medicine)
41I (Job Environment)
94K (Laboratory & Test Facility Design & Operation)
74E (Logistics, Military Facilities, & Supplies), 97K (Fuels)
Keywords: Foam, Fire fighting, Synthetic fuels.

**FEDERAL LABORATORY CONSORTIUM
FOR TECHNOLOGY TRANSFER**

FLC *advancing federal
research and technology*

The Federal Laboratory Consortium for Technology Transfer (FLC) and the National Technical Information Service (NTIS) continuously collaborate on the process of Federal Technology Transfer.



The FLC is the nationwide network of federal laboratories that provides the forum to develop strategies and opportunities for linking laboratory mission technologies and expertise with the marketplace. The FLC consists of more than 250 federal laboratories.

As an agency of the U.S. Department of Commerce, the NTIS mission is to provide for the acquisition, archiving and dissemination of technological, scientific, and engineering information. Much of this permanent repository of information is the result of research conducted by federal laboratories that are members of the FLC. The collaborative effort of the FLC and NTIS ensures the perpetual availability of this vital research to American businesses and industries.

www.federalallabs.org

ADA553999

Evaluation of Suppression of Hydroprocessed Renewable Jet (HRJ) Fuel Fires with Aqueous Film Forming Foam (AFFF).

Applied Research Associates, Inc., Tyndall AFB, FL. 2011, 54p
AFRL-RX-TY-TR-2011-0101

Related Categories/Sub-categories:

97K (Fuels)
94H (Industrial Safety Engineering)
74E (Logistics, Military Facilities, & Supplies)
Keywords: Fire protection, Jet engine fuels, Suppression.

DE2004822688

Annual Report for the Ultra-Clean Fischer-Tropsch Fuels Production and Demonstration Project.

Integrated Concepts and Research Corporation, Madison Heights, MI. 2003, 59p

Related Categories/Sub-categories:

97K (Fuels)
97F (Fuel Conversion Processes)
81 (Combustion, Engines, & Propellants)
Keywords: Fuel production plants, Annual reports, Demonstration projects.

ADA467382

Navy Ship Propulsion Technologies: Options for Reducing Oil Use. Background for Congress.

Congressional Research Service, Washington, DC. 2006, 42p

Related Categories/Sub-categories:

97O (Miscellaneous Energy Conversion & Storage)
47A (Marine Engineering)
74E (Logistics, Military Facilities, & Supplies)
97K (Fuels)
Keywords: Naval vessels, Solar energy, Fuel consumption.

Wayne Strickland of NTIS will present a Federal Science Agency Update at the American Library Association (ALA) midwinter meeting in Seattle, Washington on Sunday, January 27, from 1-2:30 pm at the Westin Seattle.

Hear the latest on information products and services from NTIS, including the National Technical Reports Library (NTRL) and the Federal Science Repository Service (FSRS).

The FSRS, now available, provides a supporting infrastructure, long-term storage, security, interface design, and content management and operational expertise. An agency can utilize this entire service or select components, resulting in the design of an agency-specific Repository that serves as a distinct gateway to its content.

Major Subject Categories

Category Codes*/Title	New for December Quantity**
41 Manufacturing Technology	35
43 Problem Solving Information for State & Local Governments.....	160
44 Health Care.....	174
45 Communication	43
46 Physics.....	135
47 Ocean Sciences & Technology.....	88
48 Natural Resources & Earth Sciences	221
49 Electrotechnology	33
50 Civil Engineering.....	125
51 Aeronautics & Aerodynamics	50
54 Astronomy & Astrophysics.....	60
55 Atmospheric Sciences.....	50
57 Medicine & Biology	323
62 Computers, Control & Information Theory.....	85
63 Detection & Countermeasures.....	36
68 Environmental Pollution & Control	288
70 Administration & Management.....	163
71 Materials Sciences.....	72
72 Mathematical Sciences.....	41
74 Military Sciences	209
75 Missile Technology	2
76 Navigation, Guidance, & Control	10
77 Nuclear Science & Technology	51
79 Ordnance.....	27
81 Combustion, Engines, & Propellants.....	27
82 Photography & Recording Devices.....	3
84 Space Technology	68
85 Transportation	139
88 Library & Information Sciences.....	33
89 Building Industry Technology.....	47
90 Government Inventions for Licensing.....	0
91 Urban & Regional Technology & Development.....	173
92 Behavior & Society	225
94 Industrial & Mechanical Engineering	56
95 Biomedical Technology & Human Factors Engineering.....	25
96 Business & Economics.....	111
97 Energy	135
98 Agriculture & Food	68
99 Chemistry.....	44

* Scope Notes define the specific topical content for each category;

<http://www.ntis.gov/pdf/scopenotes.pdf>

** Quantities represent each new report assigned on average to 3-5 categories.

DE20121038347

Algal Biofuels Can Make a Difference.
National Renewable Energy Lab., Golden, CO.
2012, 27p

Related Categories/Sub-categories:

97K (Fuels)
97B (Energy Use, Supply, & Demand)
Keywords: Algae, Biomass fuels, Biofuels.

DE20121044524

Carbon Calculator for Land Use Change from Biofuels Production (CCLUB). Users' Manual and Technical Documentation.

Illinois Univ. at Chicago Circle. Energy Resources Center. / Argonne National Lab., IL. Center for Transportation Research.

2011, 21p
ANL/ESD/12-5

Related Categories/Sub-categories:

97K (Fuels)
57B (Biochemistry)
68 (Environmental Pollution & Control)
Keywords: Carbon, Biomass fuels, Land use.

DE20121046329

National Geo-Database for Biofuel Simulations and Regional Analysis.

Pacific Northwest National Lab., Richland, WA.
2012, 60p

Related Categories/Sub-categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
97R (Environmental Studies)
57B (Biochemistry)
Keywords: Biofuels, Biomass, Carbon.

DE20121046330

National Geo-Database for Biofuel Simulations and Regional Analysis of Biorefinery Siting Based on Cellulosic Feedstock Grown on Marginal Lands.

Pacific Northwest National Lab., Richland, WA.
2012, 37p
PNNL-21283

Related Categories/Sub-categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
97R (Environmental Studies)
57B (Biochemistry)
Keywords: Biofuels, Cellulosic ethanol, Classification.

Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.

DE20121048307

Model for Improving Microbial Biofuel Production using a Synthetic Feedback Loop.

Lawrence Berkeley Lab., CA. Earth Sciences Div.

2011, 11p

LBNL-4988E

Related Categories/Sub-categories:

97K (Fuels)

57B (Biochemistry)

57F (Cytology, Genetics, & Molecular Biology)

Keywords: Fuels, Cell cultures, Control systems.

ERSERR102

Effects of Increased Biofuels on the U.S. Economy in 2022.

Economic Research Service, Washington, DC.

2010, 36p

ERR-102

Related Categories/Sub-categories:

43E (Energy)

96A (Domestic Commerce, Marketing, & Economics)

97K (Fuels)

97G (Policies, Regulations & Studies)

Keywords: Biofuels, Economy, United States.

N20100034889

OMEGA for the Future of Biofuels.

National Aeronautics and Space Administration, Moffett Field, CA. Ames Research Center.

2010, 109p

Related Categories/Sub-categories:

57C (Botany)

57B (Biochemistry)

99E (Photochemistry and Radiation Chemistry)

Keywords: Algae, Waste water, Bioreactors.

PB2010105981

Economic Issues Related to Continuous Supercritical Biodiesel Production.

Mack-Blackwell Transportation Center, Fayetteville, AR.

2010, 18p

MBTC DOT 3009

Related Categories/Sub-categories:

97G (Policies, Regulations & Studies)

97K (Fuels)

99D (Basic & Synthetic Chemistry)

Keywords: Biodiesel production, Economic issues, Feedstocks.

PB2010106188

Thermal Processing of Low-Grade Glycerol to Alcohols for Biodiesel Production, Phase 2.

Idaho Univ., Moscow. National Inst. for Advanced Transportation Technology.

2010, 40p

KLK754, N10-01

Related Categories/Sub-categories:

97K (Fuels)

97F (Fuel Conversion Processes)

99D (Basic & Synthetic Chemistry)

46B (Fluid Mechanics)

Keywords: Biodiesel fuels production, Glycerol, Alternative fuels.

PB2010108362

Biofuel Co-Product Uses for Pavement Geo-Materials Stabilization.

Iowa State Univ., Ames.

2010, 50p

Related Categories/Sub-categories:

97K (Fuels)

97G (Policies, Regulations & Studies)

85H (Road Transportation)

50A (Highway Engineering)

50D (Soil & Rock Mechanics)

Keywords: Biofuels, Co-products, Pavements, Soil stabilization.

PB2010110544

Biodiesel Fuel Feasibility Study.

Pittsburgh Univ., PA.

2010, 247p

Related Categories/Sub-categories:

97K (Fuels)

68A (Air Pollution & Control)

85H (Road Transportation)

Keywords: Diesel fuels, Feasibility study, Data collection.

PB2010111997

Biodiesel Blend Low-Temperature Performance Validation (Phase 2).

Coordinating Research Council, Inc., Alpharetta, GA.

2010, 44p

CRC-656

Related Categories/Sub-categories:

81J (Reciprocation & Rotating Combustion Engines)

97K (Fuels)

46 (Physics)

Keywords: Biodiesel blends, All-weather chassis dynamometer, Kinematic viscosity.

PB2010112791

Monthly Biodiesel Production Report, March 2009.

Energy Information Administration, Washington, DC. Office of Coal, Nuclear, Electric and Alternate Fuels.

2010, 17p

DOE/EIA-0642(2010/03)

Related Categories/Sub-categories:

97K (Fuels)

97G (Policies, Regulations & Studies)

96A (Domestic Commerce, Marketing, & Economics)

Keywords: Diesel fuels, Alternative fuels, Petroleum.

U.S. Department of Commerce

NTRL v 3.0
NATIONAL TECHNICAL REPORTS LIBRARY

The National Technical Reports Library (NTRL) enhances accessibility to the NTIS technical reports collection. It provides access to:

- Bibliographic records of more than 2,000,000 technical reports
- Downloadable full text of 700,000 of these reports in PDF format

Subscription rates are based on institutional FTE levels.

The NTRL operates on a system interface that allows users to do queries on the large NTIS bibliographic database. The intent is to broadly expand and improve access to over 2 million bibliographic records (pre-1960 to present) and 700k full-text documents in PDF format that are directly linked to that bibliographic database.

For more information, go to:

<http://www.ntis.gov/products/ntrl.aspx>

NTIS e-Alerts

Every week, NTIS receives more than 1,000 publications, studies and valuable data from over 350 U.S. government agencies and international sources. This information is the result of billions of dollars of R&D and studies sponsored by the United States Government.

NTIS *eAlerts*, delivers summaries of these publications right to your desktop, bi-weekly, in your field of interest. For more information visit

<http://www.ntis.gov/products/alerts.aspx>

Subject selections:

Agriculture and Food
Biomedical Technology and Human Factor Engineering
Building Industry Technology
Business & Economics
Civil Engineering
Communication
Computers, Control & Information Theory
Electrotechnology
Energy
Environmental Pollution and Control
Government Inventions for Licensing
Health Care
Manufacturing Technology
Materials Sciences
Ocean Sciences and Technology
Transportation

Photo: Architect of the Capitol



PB2010113851

Next-Generation Biofuels. Near-Term Challenges and Implications for Agriculture.

Economic Research Service, Washington, DC. 2010, 26p

Related Categories/Sub-categories:

97K (Fuels)
99B (Industrial Chemistry & Chemical Process Engineering)
98 (Agriculture & Food)

Keywords: Biofuels, Agriculture, Ethanol.

PB2010114172

Assessment of Biodiesel Scenarios for Midwest Freight Transport Emission Reduction.

Wisconsin Univ.-Madison. Center for Freight & Infrastructure Research & Education.

2010, 25p
CFIRE-02-10

Related Categories/Sub-categories:

97K (Fuels)
97R (Environmental Studies)
68A (Air Pollution & Control)
85H (Road Transportation)
91B (Transportation & Traffic Planning)
43G (Transportation)
Keywords: Biodiesel, Heavy trucks, Cargo transportation.

PB2010114498

Using Biofuel Tax Credits to Achieve Energy and Environmental Policy Goals.

Congressional Budget Office, Washington, DC. Natural Resources and Commerce Div.

2010, 28p
CBO-PUB-4044

Related Categories/Sub-categories:

97G (Policies, Regulations & Studies)
97K (Fuels)
43F (Environment)
Keywords: Energy policy goals, Environmental policy goals, Biofuel tax credits.

PB2010114903

USDA Regional Roadmap to Meeting the Biofuels Goals of the Renewable Fuels Standard by 2022.

USDA Biofuels Strategic Production Report. Department of Agriculture, Washington, DC.

2010, 21p

Related Categories/Sub-categories:

97K (Fuels)
43E (Energy)
Keywords: Biofuels, Feedstock supplies, Land availability.

PB2010115382

Woody Biomass for Bioenergy and Biofuels in the United States – A Briefing Paper.

Forest Service, Portland, OR. Pacific Northwest Research Station.

2010, 56p
FSGTR-PNW-825

Related Categories/Sub-categories:

97K (Fuels)
97O (Miscellaneous Energy Conversion & Storage)
43E (Energy)

Keywords: Biomass, Bioenergy, Biofuels, Wood energy.

PB2011101007

Monthly Biodiesel Production Report, December 2009.

Energy Information Administration, Washington, DC. Office of Coal, Nuclear, Electric and Alternate Fuels.

2010, 19p
DOE/EIA-0642(2009/12)

Related Categories/Sub-categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
96A (Domestic Commerce, Marketing, & Economics)

Keywords: Diesel fuels, Petroleum, Market.

PB2011105121

Biofuels Incentives: A Summary of Federal Programs, December 23, 2010.

Congressional Research Service, Washington, DC. 2010, 18p

Related Categories/Sub-categories:

97K (Fuels)
68C (Solid Wastes Pollution & Control)
Keywords: Incentives, Federal government programs, Adminstrating agencies.

PB2011106344

Cellulosic Biofuels: Analysis of Policy Issues for Congress, January 13, 2011.

Congressional Research Service, Washington, DC. 2011, 27p

CRS RL34738

Related Categories/Sub-categories:

97K (Fuels)
68A (Air Pollution & Control)
Keywords: Fuels, Cellulose, Biomass, Ethanol.

PB2011106904

U.S. Biofuels Industry: Mind the Gap. 2008-2009 Review.

Department of Energy, Washington, DC. Office of Energy Efficiency and Renewable Energy.

2010, 52p

Related Categories/Sub-categories:

43E (Energy)
96A (Domestic Commerce, Marketing, & Economics)
97K (Fuels)
97G (Policies, Regulations & Studies)

Keywords: Biofuel industry, United States, Corn.

PB2011110761

Measurement and Control Strategies for Sterol Glucosides to Improve Biodiesel Quality - Year 2. Idaho Univ., Moscow. National Inst. for Advanced Transportation Technology.

2011, 61p
KLK759, N11-01

Related Categories/Sub-categories:

97K (Fuels)
97F (Fuel Conversion Processes)
99D (Basic & Synthetic Chemistry)
Keywords: Fuel processing, Oilseed crops, Alternative fuels.

PB2012102656

Renewable Identification Number System and U.S. Biofuel Mandates.

Economic Research Service, Washington, DC. Food Assistance and Nutrition Research Program.

2011, 24p

Related Categories/Sub-categories:

97K (Fuels)
96C (International Commerce, Marketing, & Economics)
Keywords: Renewable energy sources, Fuels, Production.

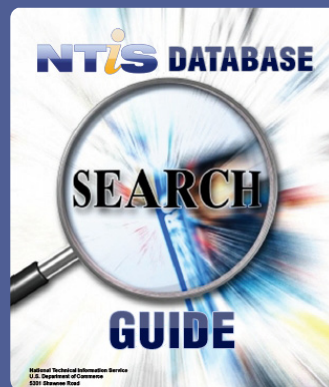
PB2012104608

Research Investments and Market Structure in the Food Processing, Agricultural Input, and Biofuel Industries Worldwide.

Economic Research Service, Washington, DC. 2011, 147p

Related Categories/Sub-categories:

98B (Agricultural Economics)
98H (Food Technology)
97K (Fuels)
96 (Business & Economics)
Keywords: Food processing, Investments, Market.

**Just Revised: the NTIS Database Search Guide**

Gain an in-depth understanding of the NTIS database structure with this new guide:

- Comprehensive list of NTIS Categories
- Helpful information and search hints
- Reference Guide to online commercial services and the NTRL
- Great Reference Manual & Teaching Tool

Free Download: <http://www.ntis.gov/pdf/dbguide.pdf>

PB2012105128

Renewable Fuel Standard. Potential Economic and Environmental Effects of U.S. Biofuel Policy. National Research Council, Washington, DC. Board on Energy and Environmental Systems. 2011, 416p

Related Categories/Sub-categories:

97G (Policies, Regulations & Studies)
97K (Fuels), 97R (Environmental Studies)
96A (Domestic Commerce, Marketing, & Economics)

Keywords: Biofuels, Renewable resources, Policy analysis.

PB2012108768

Improved Oxidative Stability of Biodiesel Fuels: Antioxidant Research and Development. Wayne State Univ., Detroit, MI.

2011, 52p

Related Categories/Sub-categories:

97K (Fuels)
48A (Mineral Industries)

Keywords: Biodiesel fuels, Renewable fuel, Petroleum.

PB2012109932

Biofuels and the Environment: First Triennial Report to Congress. Environmental Protection Agency, Washington, DC.

2011, 225p
EPA/600/R-10/183F

Related Categories/Sub-categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
68 (Environmental Pollution & Control)

Keywords: Fuels, Environmental impact, Renewable energy sources.

PB2012114076

Biodiesel Mass Transit Demonstration. Final Report. National Biodiesel Board, Jefferson City, MO. 2010, 53p

Related Categories/Sub-categories:

97K (Fuels)
85H (Road Transportation)
91B (Transportation & Traffic Planning)
Keywords: Biodiesel, Transit buses, Mass transportation.

PB2013100088

Monthly Biodiesel Production Report September 2012 with Data for July 2012.

Energy Information Administration, Washington, DC. 2010, 10p

Related Categories/Sub-categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
96A (Domestic Commerce, Marketing, & Economics)

Keywords: Diesel fuels, Petroleum, Market.

PB2013100222

In Situ Transesterification of Microbial Oil to Produce Algal Biodiesel.

Idaho Univ., Moscow. National Inst. for Advanced Transportation Technology. 2012, 25p

Related Categories/Sub-categories:

97K (Fuels)
57B (Biochemistry)
57K (Microbiology)

Keywords: Algae, Oils, Microorganisms, Diesel fuels.

PB2013102159

Monthly Biodiesel Production Report, November 2012 with Data for September 2012.

Energy Information Administration, Washington, DC. 2012, 10p

Related Categories/Sub-categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
96A (Domestic Commerce, Marketing, & Economics)

Keywords: Diesel fuels, Petroleum, Market.

DE2010969601

Clean Cities 2010: Vehicle Buyer's Guide; Natural Gas, Propane, Hybrid Electric, Ethanol, Biodiesel. National Renewable Energy Lab., Golden, CO.

2009, 30p
DOE/GO-102009-2914

Related Categories/Sub-Categories:

97K (Fuels)
85H (Road Transportation)
68A (Air Pollution & Control)
91A (Environmental Management & Planning)
43F (Environment)

Keywords: Automobiles, Alternative fuel vehicles, Natural gas.

PB2009114491

Whey to Ethanol: A Biofuel Role of Dairy Cooperatives.

Department of Agriculture, Washington, DC. Rural Business and Cooperative Development Service. 2008, 27p

Related Categories/Sub-Categories:

98B (Agricultural Economics)
97K (Fuels)
99B (Industrial Chemistry & Chemical Process Engineering)

Keywords: Whey, Ethanol, Dairy industry.

PB2011112688

Biofuels: Challenges to the Transportation, Sale, and Use of Intermediate Ethanol Blends. Government Accountability Office, Washington, DC.

2011, 57p

Related Categories/Sub-Categories:

97K (Fuels)
85 (Transportation)

Keywords: Biofuels, Ethanol, Transportation.

FREE DOWNLOAD DE20121037499

Improving Vehicle Efficiency, Reducing Dependence on Foreign Oil.

National Renewable Energy Lab., Golden, CO. 2012, 2p

Related Categories/Sub-Categories:

97B (Energy Use, Supply, & Demand)
97K (Fuels)
85H (Road Transportation)

Keywords: Alternative fuels, Energy efficiency, Fuel consumption.

FREE DOWNLOAD N20100039342

Offshore Membrane Enclosures for Growing Algae (OMEGA): A System for Biofuel Production, Wastewater Treatment, and CO₂ Sequestration.

National Aeronautics and Space Administration, Moffett Field, CA. Ames Research Center. 2010, 4p
ARC-E-DAA-TN1837

Related Categories/Sub-Categories:

57 (Medicine & Biology)

Keywords: Algae, Biomass, Carbon dioxide.

FREE DOWNLOAD DE20121051892

Isolation, Preliminary Characterization and Preliminary Assessment of Scale-Up Potential of Photosynthetic Microalgae for the Production of Both Biofuels and Bio-Active Molecules in the U.S. and Canada.

National Renewable Energy Lab., Golden, CO. 2012, 4p
CRD-10-372, NRLE/TP-7A10-55171

Related Categories/Sub-Categories:

97K (Fuels)
57B (Biochemistry)
99F (Physical & Theoretical Chemistry)
68A (Air Pollution & Control)

Keywords: Biomass, Algae, Molecules.

FREE DOWNLOAD DE2010974902

Biofuels for Advancing America: Developing Cost-Competitive, Sustainable Biofuels for Today's Transportation Infrastructure. National Advanced Biofuels Consortium.

National Renewable Energy Lab., Golden, CO. 2010, 2p

Related Categories/Sub-Categories:

97K (Fuels)
97G (Policies, Regulations & Studies)
97R (Environmental Studies)

Keywords: Biofuels, NREL, National security.

Any of the technical reports listed in this newsletter can be ordered directly from the National Technical Information Service, simply click on the title to go to the product detail page on NTIS.GOV.

If your organization is a subscriber to the National Technical Reports Library, most of the reports listed can be downloaded free there. For information on how to subscribe to NTRL, go to <http://www.ntis.gov/products/ntrl.aspx>.

Title Index - For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Web site. The list is in alphabetical order by title.

NTIS number	Category	Title
DE20121038347	97	Algal Biofuels Can Make a Difference.
DE2010974464	97	Analysis of Biodiesel Blends Samples Collected in the United States in 2008.
DE2004822688	97	Annual Report for the Ultra-Clean Fischer-Tropsch Fuels Production and Demonstration Project.
PB2010114172	97	Assessment of Biodiesel Scenarios for Midwest Freight Transport Emission Reduction.
PB2010111997	81	Biodiesel Blend Low-Temperature Performance Validation (Phase 2).
PB2010110544	97	Biodiesel Fuel Feasibility Study.
PB2012114076	97	Biodiesel Mass Transit Demonstration. Final Report.
DE2010984182	97	Biodiesel Vehicle and Infrastructure Codes and Standards Citations.
ADA564238	79	Biodiesel: Paving the Way for DoD's Renewable Future.
PB2010108362	97	Biofuel Co-Product Uses for Pavement Geo-Materials Stabilization.
DE20111008109	97	Biofuel Impacts on Water.
DE20111019036	97	Biofuel Production Initiative at Claflin University.
PB2012109932	97	Biofuels and the Environment: First Triennial Report to Congress.
PB2011105121	97	Biofuels Incentives: A Summary of Federal Programs, December 23, 2010.
PB2011112688	97	Biofuels: Challenges to the Transportation, Sale, and Use of Intermediate Ethanol Blends.
DE20111019208	97	Brief Literature Overview of Various Routes to Biorenewable Fuels from Lipids for the National Alliance for Advanced Biofuels and Bio-products (NAABB) Consortium.
DE20121044524	97	Carbon Calculator for Land Use Change from Biofuels Production (CCLUB). Users' Manual and Technical Documentation.
PB2011106344	97	Cellulosic Biofuels: Analysis of Policy Issues for Congress, January 13, 2011.
DE2010969601	97	Clean Cities 2010: Vehicle Buyer's Guide; Natural Gas, Propane, Hybrid Electric, Ethanol, Biodiesel.
ADA524125	57	Corrosion-Related Consequences of Biodiesel in Contact with Natural Seawater.
ADA556489	96	Cost Estimation of Biofuels for Naval Aviation: Budgeting for the Great Green Fleet
ADA556484	81	Development of a Spherical Combustion Chamber for Measuring Laminar Flame Speeds in Navy Bulk Fuels and Biofuel Blends.
PB2010105981	97	Economic Issues Related to Continuous Supercritical Biodiesel Production.
ERSERR102	43	Effects of Increased Biofuels on the U.S. Economy in 2022.
ADA553999	97	Evaluation of Suppression of Hydroprocessed Renewable Jet (HRJ) Fuel Fires with Aqueous Film Forming Foam (AFFF).
ADA512268	57	Evaluation of Suppression of Synthetic Paraffinic Kerosene (SPK) Fuel Fires with Aqueous Film Forming Foam (AFFF).
ADA556534	97	Federal Non-Tactical Vessel (FNTV) Biodiesel Initiative.
PB2012108768	97	Improved Oxidative Stability of Biodiesel Fuels: Antioxidant Research and Development.
PB2013100222	97	In Situ Transesterification of Microbial Oil to Produce Algal Biodiesel.
DE2010979832	97	Life Cycle Assessment Comparing the Use of Jatropha Biodiesel in the Indian Road and Rail Sectors.
PB2011110761	97	Measurement and Control Strategies for Sterol Glucosides to Improve Biodiesel Quality - Year 2.
DE20121048307	97	Model for Improving Microbial Biofuel Production using a Synthetic Feedback Loop.
PB2013100088	97	Monthly Biodiesel Production Report September 2012 with Data for July 2012.
PB2011101007	97	Monthly Biodiesel Production Report, December 2009.
PB2010112791	97	Monthly Biodiesel Production Report, March 2009.
PB2013102159	97	Monthly Biodiesel Production Report, November 2012 with Data for September 2012.
DE20121046330	97	National Geo-Database for Biofuel Simulations and Regional Analysis of Biorefinery Siting Based on Cellulosic Feedstock Grown on Marginal Lands.
DE20121046329	97	National Geo-Database for Biofuel Simulations and Regional Analysis.
ADA467382	97	Navy Ship Propulsion Technologies: Options for Reducing Oil Use Background for Congress.

Title Index - For NTRL Users - continued

NTIS number	Category	Title
PB2010113851	97	Next-Generation Biofuels. Near-Term Challenges and Implications for Agriculture.
ADA519649	57	Nitrogen and Phosphorus Biomass-Kinetic Model for <i>Chlorella vulgaris</i> in a Biofuel Production Scheme.
N20100034889	57	OMEGA for the Future of Biofuels.
ADA474420	97	Propulsion and Power Rapid Response Research and Development Support. Delivery Order 0042: Demonstration and Evaluation of Fischer-Tropsch Research Fuels for the DoD Assured Fuels Program.
PB2012105128	97	Renewable Fuel Standard. Potential Economic and Environmental Effects of U.S. Biofuel Policy.
PB2012102656	97	Renewable Identification Number System and U.S. Biofuel Mandates.
PB2012104608	98	Research Investments and Market Structure in the Food Processing, Agricultural Input, and Biofuel Industries Worldwide.
PB2010106188	97	Thermal Processing of Low-Grade Glycerol to Alcohols for Biodiesel Production, Phase 2.
DE20111011221	97	Trojan Horse Strategy for Deconstruction of Biomass for Biofuels Production.
PB2011106904	43	U.S. Biofuels Industry: Mind the Gap. 2008-2009 Review.
ADA562379	57	Unintended Consequences: Potential Downsides of the Air Force's Conversion to
PB2010114903	97	USDA Regional Roadmap to Meeting the Biofuels Goals of the Renewable Fuels Standard by 2022. USDA Biofuels Strategic Production Report.
PB2010114498	97	Using Biofuel Tax Credits to Achieve Energy and Environmental Policy Goals.
PB2009114491	98	Whey to Ethanol: A Biofuel Role of Dairy Cooperatives.
PB2010115382	97	Woody Biomass for Bioenergy and Biofuels in the United States – A Briefing Paper.