Available Technologies Search Tool
federallabs.org/techs

Presented to the National Academy of Sciences

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The Perceived Problem
So What was the problem?
Solution

• Consolidation of all information on a single site
• User-friendly features
• All the user/searcher needs to know is that for which he/she is looking
Completing the Puzzle
AVAILABLE TECHNOLOGIES SEARCH TOOL

Search thousands of available technologies from our federal labs that are ready for licensing.

What is the Available Technologies Search Tool?

The FLC Available Technologies tool provides a free one-stop shop to locate licensing opportunities for a particular type of technology anywhere in our nationwide system of federal labs and research centers. We are continually adding participating agencies and laboratories to the tool to enhance this search capability. We use a customized advanced Google search to scan the available technologies and quickly return relevant results so searching doesn't require any specialized language knowledge.

Below the search feature you'll see quick buttons to print or download a PDF of your first 50 search results. You can also obtain a login to the site and save your queries to easily run again in the future.

Watch a demo of the Available Technologies search: Demo

Search for a Technology

Enter your search criteria in the "search" box below.

Search: [Google Custom Search]

Advanced Search

Login to save your searches. Don't have a login? Sign up here.

Search | Clear
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Search:  

- Google Custom Search
  e.g. carbonfiber composite

Advanced Search

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Search  Clear
Watch a tutorial

Conduct a search

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Advanced search

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Search for a Technology

Enter your search criteria in the "search" box below.

Search: biofuels

e.g. carbonfiber composite

Find web pages that have...

this exact wording or phrase:

any of these words:

But don't show pages that have...

any of these unwanted words: bacteria

Published within the last

Published within the last: 100 Day(s)

Login to save your searches.
Don't have a login? Sign up here.

Search  Clear
Available Technologies: Strengthening Bioenergy Feedstock Plants...
Strengthening Bioenergy Feedstock Plants by Overexpression of Three Rice Genes EJIB-3283. APPLICATIONS: Biofuel production; Agriculture. ADVANTAGES.
www.lbl.gov/tt/techs/lbnl3283.html

Available Technologies: Renewable Chemicals Produced from Lignin
Derives valuable chemicals from renewable sources; Utilizes waste lignin from biofuels production, paper pulping and agriculture; Potential to significantly ...
www.lbl.gov/tt/techs/lbnl3265.html

Available Technologies: Ionic Liquids from Lignin-derived Compounds
Biomass pretreatment for biofuel production; Product separation and recovery; Catalysis; Paper pulping; Other industries using ionic liquids, e.g., pharmaceutical ...
www.lbl.gov/tt/techs/lbnl2013-042.html

Available Technologies: Sugar Extraction and Ionic Liquid Recycling...
Biomass pretreatment for biofuel production; Recovery of products using biphasic liquid-liquid extraction; Recovery and recycle of ionic liquids. ADVANTAGES:
www.lbl.gov/tt/techs/lbnl3117.html

Catalysts for Syngas-Derived Alcohol Synthesis - Energy Innovation...
Partners (26); Visual Patent Search; Success Stories; News; Events; Vehicles and Fuels. Biomass and Biofuels. Find More Like This. Return to Search...
techportal.eere.energy.gov/technology.do?techID=1071

Available Technologies: Scalable Methods for Growing, Shaping...
Advanced Materials; Biofuels; Biotechnology & Medicine; Diagnostics and Therapeutics; Medical Devices; Medical Imaging; Mouse Models; Research Tools.
www.lbl.gov/tt/techs/lbnl2047.html
Available Technologies: Strengthening Bioenergy Feedstock Plants...
Strengthening Bioenergy Feedstock Plants by Overexpression of Three Rice Genes EJB-3283. APPLICATIONS: Biofuel production; Agriculture. ADVANTAGES.
www.lbl.gov/it/techs/lbnl3283.html

Available Technologies: Renewable Chemicals Produced from Lignin
Derives valuable chemicals from renewable sources; Utilizes waste lignin from biofuels production, paper pulping and agriculture; Potential to significantly...
www.lbl.gov/it/techs/lbnl3265.html

Available Technologies: Ionic Liquids from Lignin-derived Compounds
Biomass pretreatment for biofuel production; Product separation and recovery; Catalysis; Paper pulping; Other industries using ionic liquids, e.g., pharmaceutical...
www.lbl.gov/it/techs/lbnl2013-042.html

Available Technologies: Sugar Extraction and Ionic Liquid Recycling...
Biomass pretreatment for biofuel production; Recovery of products using biphasic liquid-liquid extraction; Recovery and recycle of ionic liquids. ADVANTAGES:
www.lbl.gov/it/techs/lbnl3117.html

Catalysts for Syngas-Derived Alcohol Synthesis - Energy Innovation...
Partners (26); Visual Patent Search · Success Stories · News · Events · Vehicles and Fuels. Biomass and Biofuels. Find More Like This. Return to Search ...
techportal.eere.energy.gov/technology.do?techID=1071

Available Technologies: Scalable Methods for Growing, Shaping...
Advanced Materials · Biofuels · Biotechnology & Medicine · Diagnostics and Therapeutics · Medical Devices · Medical Imaging · Mouse Models · Research Tools.
www.lbl.gov/it/techs/lbnl2047.html
Available Technologies

Strengthening Bioenergy Feedstock Plants by Overexpression of Three Rice Genes
EJIB-3283

APPLICATIONS
- Biofuel production
- Agriculture

ADVANTAGES
- Strengthens plant stems to over 120% that of wild type plants
- Helps prevent crop loss from stem breakage (lodging)

ABSTRACT
Researchers at the Joint BioEnergy Institute (JBEI) have identified a glycosyltransferase encoded by closely related rice genes that is involved in xylan biosynthesis in the cell wall. When the genes are overexpressed, xylosyltransferase activity and stem strength are increased beyond that of wild type plants.

Increasing plant stem strength can increase plant size and prevent crop loss caused by stem breakage due to environmental factors or pathogens. This development can lead to more cost effective growth of feedstocks for biofuel production, among other applications.
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