Searching NTRS Help Guide

http://ntrs.nasa.gov
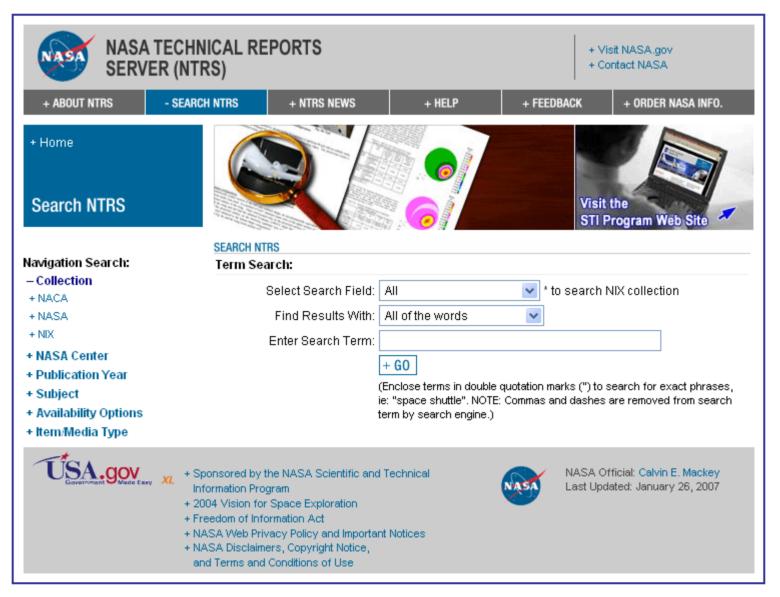
Table of Contents

Introduction

NTRS searches three major collections: NACA* (1915-1958), NASA (1958-present), and NASA Image eXchange (NIX) (1900-present). NTRS provides access to citations (i.e., references) and online documents and imagery for the following kinds of information: conference papers, images, journal articles, photos, meeting papers, movies, patents, research reports, and technical videos.

Searching NTRS is quick and easy using the Term Search and Navigation Search options. Start a NTRS search by entering term(s) into the Term Search box or selecting a category under the Navigation Search. (Any Navigation Search selection with a plus "+" can be clicked to initiate a search, i.e., + NACA). Users start with all the available content in NTRS and use the Term Search and Navigation Search options to reduce results down to a manageable number of results.

Term Search

Use Term Search to search for specific authors, images/pictures, movies/videos, report and patent numbers, and titles. Select from pull-down box a field to search and enter terms into search box.

Navigation Search

Select options under Navigation Search to refine. Navigation Search allows users to narrow search results to specific collections, NASA Center, Date, Subject, and PDFs, Images, and Videos available online from NTRS.

*National Advisory Committee for Aeronautics (predecessor of NASA)

Getting Started

This section covers:

• Initial Search Screen

• Search and Results Screen

• Brief Citation Display

• Full Citation Display

• Search Corrections

• Error Messages

Getting Started –
Initial Search Screen

This is the initial search screen. Start a search by entering search words for a Term Search or selecting optional Navigation Search. Once search started, a different search screen appears.

Select +NACA as initial search

Navigation Search options. Shows category names and choices. Click on any choice with a "+" beside it to execute a search.

Term Search menu choices

Executes a Term Search

Visit the
STI Program Web Site

SEARCH NTRS
Term Search:

Navigation Search:
– Collection
+ NACA
+ NASA
+ NIX
+ NASA Center
+ Publication Year
+ Subject
+ Availability Options
+ Item/Media Type

Select Search Field: All   * to search NIX collection
Find Results With: All of the words
Enter Search Term:

+ GO

(Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.)

Getting Started – Search and Results Screen

Returns to NTRS main page

Returns to initial search screen

Term Search menu choices

Automatically selected so additional searching narrows results set

Clears search

Navigation Search options. Click on selection to execute search.

Search strategy displays showing **NACA** collection selected. De-select by clicking [**X**] to start new search. If more than one navigation search category has been selected, a "**Remove**" link will display so all categories may be removed at one time.

Shows number of results found

Search results display by date added to NTRS, from most recent to oldest. Sort by NASA source using "NASA Center" or by year published using "Publication Year."

Numbered results pages. Advance by clicking **Next** or jump ahead by clicking a number.

Click on citation titles to see more information about the item.

Select citation title to see full citation.

+ ABOUT NTRS | **- SEARCH NTRS** | **+ NTRS NEW** | NASA INFO.

+ Home

Search NTRS

eb Site

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term

☑ within returned results
+ GO + RESET SEARCH

Search Tips:
◆ Use only the fields with * to search NIX collection.
◆ Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
◆ Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS
+ **NASA Center**
+ **Publication Year**
+ **Subject**
+ **Availability Options**
+ **Item/Media Type**

SEARCH NTRS
Selected Navigations:
● Collection > NACA [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **14469** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
Pressures and associated aerodynam
revolution at transonic speeds

ch Center

; Document ID: 19930088063; Report Number: NACA-RM-L53L28a

Seaplanes floats and hulls. Part II

Author(s): Herrmann
Abstract: Different f
NASA Center: NASA
Publication Year: 19
Added to NTRS: 200
Accession Number: 93R20085; Document ID: 19930090795; Report Number: NACA-TM-427

Aerodynamic characteristics of a refined deep-step planing-tail flying-boat hull with

Getting Started - Brief Citation Display

Getting Started – Full Citation Display Example 1

Return to search
and results screen

NAVIGATION SEARCH OPTIONS
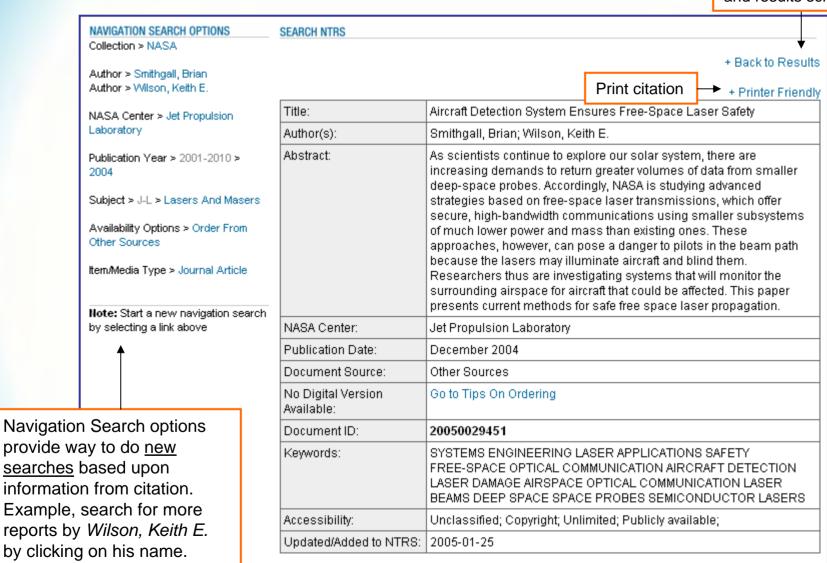
Collection > NASA

Author > Smithgall, Brian
Author > Wilson, Keith E.

NASA Center > Jet Propulsion
Laboratory

Publication Year > 2001-2010 >
2004

Subject > J-L > Lasers And Masers

Availability Options > Order From
Other Sources

Item/Media Type > Journal Article

Note: Start a new navigation search
by selecting a link above

SEARCH NTRS

+ Back to Results

Print citation → + Printer Friendly

Title:	Aircraft Detection System Ensures Free-Space Laser Safety
Author(s):	Smithgall, Brian; Wilson, Keith E.
Abstract:	As scientists continue to explore our solar system, there are increasing demands to return greater volumes of data from smaller deep-space probes. Accordingly, NASA is studying advanced strategies based on free-space laser transmissions, which offer secure, high-bandwidth communications using smaller subsystems of much lower power and mass than existing ones. These approaches, however, can pose a danger to pilots in the beam path because the lasers may illuminate aircraft and blind them. Researchers thus are investigating systems that will monitor the surrounding airspace for aircraft that could be affected. This paper presents current methods for safe free space laser propagation.
NASA Center:	Jet Propulsion Laboratory
Publication Date:	December 2004
Document Source:	Other Sources
No Digital Version Available:	Go to Tips On Ordering
Document ID:	**20050029451**
Keywords:	SYSTEMS ENGINEERING LASER APPLICATIONS SAFETY FREE-SPACE OPTICAL COMMUNICATION AIRCRAFT DETECTION LASER DAMAGE AIRSPACE OPTICAL COMMUNICATION LASER BEAMS DEEP SPACE SPACE PROBES SEMICONDUCTOR LASERS
Accessibility:	Unclassified; Copyright; Unlimited; Publicly available;
Updated/Added to NTRS:	2005-01-25

+ Back to Top

Navigation Search options
provide way to do <u>new
searches</u> based upon
information from citation.
Example, search for more
reports by *Wilson, Keith E.*
by clicking on his name.

Getting Started - Full Citation Display Example 1 (cont'd)

Title:	Aircraft Detection System Ensures Free-Space Laser Safety	Title of work
Author(s):	Smithgall, Brian, Wilson, Keith E.	Creator of technical work
Abstract:	As scientists continue to explore our solar system, there are increasing demands to return greater volumes of data from smaller deep-space probes. Accordingly, NASA is studying advanced strategies based on free-space laser transmissions, which offer secure, high-bandwidth communications using smaller subsystems of much lower power and mass than existing ones. These approaches, however, can pose a danger to pilots in the beam path because the lasers may illuminate aircraft and blind them. Researchers thus are investigating systems that will monitor the surrounding airspace for aircraft that could be affected. This paper presents current methods for safe free space laser propagation.	Brief summary explaining content in a document, image, and/or video
NASA Center:	Jet Propulsion Laboratory	NASA Center authoring, funding, or sponsoring item
Publication Date:	December 2004	Year in which technical work published
Document Source:	Other Sources	Organization providing document or video. Value of "CASI" means item available from CASI. Value of "Other" means item is not available from CASI and must be ordered from another organization.
No Digital Version Available:	Go to Tips On Ordering	Document not accessible online. Click on "Go to Tips on Ordering" to find out how to obtain document.
Document ID:	20050029451	Unique number assigned to records and used to order item
Keywords:	SYSTEMS ENGINEERING LASER APPLICATIONS SAFETY FREE-SPACE OPTICAL COMMUNICATION AIRCRAFT DETECTION LASER DAMAGE AIRSPACE OPTICAL COMMUNICATION LASER BEAMS DEEP SPACE SPACE PROBES SEMICONDUCTOR LASERS	Words describing concepts of technical work/video derived from NASA Thesaurus
Accessibility:	Unclassified; Copyright; Unlimited; Publicly available;	NTRS only provides access to unclassified, unlimited, and publicly available technical works. Some works may be copyrighted and may not be available on NTRS if NASA does not have rights to distribute works.
Updated/Added to NTRS:	2005-01-25	Date item loaded to NTRS

* Go to end of guide for complete list of citation fields

Getting Started - Full Citation Display Example 2

Title:	Development of Supersonic Combustion Experiments for CFD Modeling
Author(s):	Baurle, Robert; Bivolaru, Daniel; Tedder, Sarah; Danehy, Paul M.; Cutler, Andrew D.; Magnotti, Gaetano
Abstract:	This paper describes the development of an experiment to acquire data for developing and validating computational fluid dynamics (CFD) models for turbulence in supersonic combusting flows. The intent is that the flow field would be simple yet relevant to flows within hypersonic air-breathing engine combustors undergoing testing in vitiated-air ground-testing facilities. Specifically, it describes development of laboratory-scale hardware to produce a supersonic combusting coaxial jet, discusses design calculations, operability and types of flames observed. These flames are studied using the dual-pump coherent anti- Stokes Raman spectroscopy (CARS) - interferometric Rayleigh scattering (IRS) technique. This technique simultaneously and instantaneously measures temperature, composition, and velocity in the flow, from which many of the important turbulence statistics can be found. Some preliminary CARS data are presented.
NASA Center:	Langley Research Center
Publication Date:	2007
Document Source:	CASI
Download Document:	View PDF File
Document ID:	20070005147
Report Number:	AIAA Paper 2007-0978
Contract-Grant-Task Number:	NNL06AA16A
Price Code:	A03
Meeting Information:	45th AIAA Aerospace Sciences Meeting and Exhibit; 8-11 Jan. 2007; Reno, NV; United States
Keywords:	COMPUTATIONAL FLUID DYNAMICS SUPERSONIC COMBUSTION SUPERSONIC JET FLOW HYPERSONICS AIR BREATHING ENGINES FLAMES RAYLEIGH SCATTERING TURBULENCE
Accessibility:	Unclassified; No Copyright; Unlimited; Publicly available;
Updated/Added to NTRS:	2007-02-19

Document available online. Click to view and/or download.

Document number as assigned by NASA, or other publishing organization, at time of publication.

The contract, grant or task number under which the work documented by the report was done.

Cost of obtaining document in hard copy format.

If document originally presented as part of a conference, symposium, meeting, etc., the details of the meeting appear here.

Open/Save Documents

If you are having trouble opening PDF files please try the following to save the PDF file to your local machine.

- Right click on the link of the PDF file
- Choose the "save target as" option
- Save the file to your local machine and rename file as a .PDF if necessary (your browser may not automatically save files as PDF's)
- Open file locally with your Adobe software

Getting Started – Search Correction

TERM SEARCH OPTIONS
Select Search Field *
[All ▼]
Find Results With
[All of the words ▼]
Enter Search Term
[   ]

☑ within returned results

[+ GO] [+ RESET SEARCH]

Search Tips:
• Use only the fields with * to search NIX collection.
• Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
• Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
+ Publication Year
+ Subject
+ Availability Options
+ Item/Media Type

SEARCH NTRS
Search Criteria:
◆ Search Field: **All** > Results : **All** > Search Term: **nanotechnollogy** (Corrected to **nanotechnology**)
[X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **292** record(s) matching your query
Sorted by: **Date Added To NTRS** in Desc

1 2 3 4 5 6 7 8 9 10 Next >>
Applied **Nanotechnology** for Hum

Author(s): Yowell, Leonard L.
Abstract: A viewgraph presentation des
shown. The topics include 1) NASA's St
Exploration Mission Requirements Cannot be ...
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-22
Document ID: 20070008216

A Model-Driven Architecture Approach for Modeling, Specifying and Deploying Policies in Autonomous and Autonomic Systems

Author(s): Pena, Joaquin; Hinchey, Michael G.; Sterritt, Roy; Ruiz-Cortes, Antonio; Resinas, Manuel
Abstract: Autonomic Computing (AC), self-management based on high level guidance from humans, is increasingly gaining momentum as the way forward in designing reliable systems that hide complexity and conquer IT management costs. ...
NASA Center: Goddard Space Flight Center

NTRS corrects spelling mistakes and automatically executes search with corrected spelling

Getting Started – No Results Found Message

TERM SEARCH OPTIONS

Select Search Field *

All

Find Results With

All of the words

Enter Search Term

+ GO   + RESET SEARCH

Search Tips:
- Use only the fields with * to search NIX collection.
- Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
- Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS

Search Criteria:

- Search Field: **All** > Results : **All** > Search Term: **terminal velocity paradigm** [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **0** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

No results containing your search items were found.

Suggestions:

- Make sure all words are spelled correctly.
- Try different keywords that mean the same thing.
- Try more general keywords.
- Try using the wild card symbol * at the end of words to increase the number of word variations search, ie, comput* searches for computer, computers, computerized, computational, etc.

If search finds no results, follow suggestions and try a new search

Search with Term Search Options

This section covers:

- Term Search Fields and Descriptions

- Using *Find Results With*

- Term Search Examples

- Term Search Hints

TERM SEARCH OPTIONS
Select Search Field *
All ▼
Find Results With
All of the words ▼
Enter Search Term

☑ within returned results
+ GO   + RESET SEARCH
Search Tips:
♦ Use only the fields with * to search NIX collection.
♦ Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
♦ Select Reset Search button to start a new search. See Help for more tips.

TERM SEARCH OPTIONS
Select Search Field *
All ▼
All
Report - Patent Number
Abstract *
Accession Number *
NASA Center *
Author Name
Document ID
Keywords
Publication Date *
Title *
marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
♦ Select Reset Search button to start a new search. See Help for more tips.

Term Search Field Names and Descriptions

Select choices from drop-down menu box to search for Term Search in fields, i.e., specific information found in a citation, such as abstract, title, etc. Search individual fields or "All" for a combination search of all fields in this list.

The "*" beside search fields means use only these fields to search for NIX images and videos.

Any of the fields can be used to search the NACA and NASA collections.

Search Field Name	Field Description
All	Combination of all fields, e.g., abstract, author, report, etc.
Abstract*	Brief summary explaining content in a document, image, and/or video
Accession Number*	Unique identifier assigned to records at the time of receipt or creation. In the case of the NASA and NACA collections, this is a historic record number that was assigned by CASI between the years 1962 and 1997. For the NIX collection, this identifier is present for all records.
NASA Center*	NASA Center authoring, funding, and/or sponsoring research
Author Name	Creator of technical works
Document ID	Unique number assigned to all records in the NASA and NACA collections; may be used to order items available from CASI
Keywords	Words describing concepts of technical work/video derived from NASA Thesaurus
Publication Date*	Publication year of document, image/photo, or movie/video
Report-Patent Number	Document report numbers and U.S. Patent Office patent numbers
Title*	Words from record title (citation, documents, images, videos)

Term Search using *Find Results With*

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term

+ GO   + RESET SEARCH

→ Term Search has two search modes under the "Find Results With" setting: *All of the words* and *At least one of the words*

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term

+ GO   + RESET SEARCH

All of the words search means every search term has to appear in a result

NARROWS search

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
At least one of the words
Enter Search Term

+ GO   + RESET SEARCH

At least one search means one or the other search terms will appear in a result; in some cases both search terms will appear in a result if terms are found in the same citation

BROADENS search

Term Search Example 1

Search *All* field (abstract, author, title, etc.) for citations with *wind tunnel testing* in them

Results

Term Search Example 2

Search *All* field (abstract, author, title, etc.) for citations with either *aerobraking* or *aerocapture* in them

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term
aerobraking aerocapture

+ GO   + RESET SEARCH

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shut...
Commas and dashes are...
from search term by sea...
● Select Reset Search...
start a new search. See...
more tips.

SEARCH NTRS
Sort results by: NASA Center | Date Added to NTRS | Publicatic
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
USA-SOUTH CAROLINA SAVANNAH,HILTON HEAD I.

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH,HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

Results

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term

☑ within returned results
+ GO   + RESET SEARCH

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS
Search Criteria:
● Search Field: **All** > Results : **All** > Search Term: **aerobraking aerocapture** [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **64** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 Next
Aerocapture Benefits to Future Science Missions

Author(s): Artis, Gwen; James, Bonnie
Abstract: ... techniques include aeroentry and **aerobraking**.) **Aerocapture** relies on drag atmospheric drag to decelerate an incoming spacecraft and capture it into orbit. This technique is very ...
NASA Center: Marshall Space Flight Center
Publication Year: 2006
Added to NTRS: 2007-01-26
Document ID: 20070002619

Lightweight Ablative and Ceramic Thermal Protection System Materials for NASA

Term Search Example 3

Search *Author* field for citations by David Thompson.

TERM SEARCH OPTIONS

Select Search Field *

Author Name

Find Results With

All of the words

Enter Search Term

thompson david

+ GO   + RESET SEARCH

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes a... from search term by se... ● Select Reset Search... start a new search. Se... more tips.

SEARCH NTRS

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>

USA-SOUTH CAROLINA SAVANNAH,HILTON HEAD I.

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH,HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

Results

TERM SEARCH OPTIONS

Select Search Field *

Author Name

Find Results With

All of the words

Enter Search Term

☑ within returned results

+ GO   + RESET SEARCH

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS

Search Criteria:
● Search Field: **Author Name** > Results : **All** > Search Term: **thompson david** [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **70** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 Next

Future Gamma-Ray Observations of Pulsars and their Environments

Author(s): **Thompson, David** J.
Abstract: Pulsars and pulsar wind nebulae seen at gamma-ray energies offer insight into particle acceleration to very high energies under extreme conditions. Pulsed emission provides information about the geometry and interaction ...
NASA Center: Goddard Space Flight Center
Publication Year: 2006
Added to NTRS: 2007-02-16
Document ID: 20070005048

Chemical Fabrication Used to Produce Thin-Film Materials for High Power-to-

Term Search Example 4

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term
Johnson Hervol

+ GO   + RESET SEARCH

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". Commas and dashes are removed from search term by search start a new search. See Help for more tips.

SEARCH NTRS

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
USA-SOUTH CAROLINA SAVANNAH,HILTON HEAD I.

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH,HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

> **Search *Author* field for citations by two authors, *Johnson* and *Hervol*.**

> **Results**

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term

☑ within returned results

+ GO   + RESET SEARCH

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS
Search Criteria:
● Search Field: **All** > Results : **All** > Search Term: **Johnson Hervol** [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **2** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

Experimental Validation of a Closed Brayton Cycle System Transient Simulation

Author(s): **Johnson**, Paul K.; **Hervol**, David S.
Abstract: The Brayton Power Conversion Unit (BPCU) is a closed cycle system with an inert gas working fluid. It is located in Vacuum Facility 6 at NASA Glenn Research Center. Was used in previous solar dynamic technology efforts ...
NASA Center: Glenn Research Center
Publication Year: 2006
Added to NTRS: 2006-11-16
Document ID: 20060051715

Experimental Validation of a Closed Brayton Cycle System Transient Simulation

Term Search Example 5

TERM SEARCH OPTIONS
Select Search Field *
[Report - Patent Number ▼]
Find Results With
[All of the words ▼]
Enter Search Term
[NASA EP 251]
[+ GO] [+ RESET SEARCH]
Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS
Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
USA-SOUTH CAROLINA SAVANNAH,HILTON HEAD I.

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH,HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

> **Search *Report-Patent Number* field for citations for NASA report, *NASA-EP-251***

> **Results**

TERM SEARCH OPTIONS
Select Search Field *
[Report - Patent Number ▼]
Find Results With
[All of the words ▼]
Enter Search Term
[   ]
☑ within returned results
[+ GO] [+ RESET SEARCH]
Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS
Search Criteria:
● Search Field: **Report - Patent Number** > Results : **All** > Search Term: **NASA EP 251** [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **3** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

The new space network The tracking and data relay satellite system

Author(s): Froehlich, W.
Abstract: When the Tracking and Data Relay Satellite System (TDRSS)is completed, the system, together with its various NASA support elements will be known simply as the Space Networks. It will substantially increase information ...
NASA Center: NASA (non Center Specific)
Publication Year: 1986
Added to NTRS: 2005-08-25
Accession Number: 87N10171; Document ID: 19870000738; Report Number: NAS 1.19**251**(S), **NASA-EP-251**(S)

AXAF The Advanced X ray Astrophysics Facility

Term Search Example 6

TERM SEARCH OPTIONS

Select Search Field *

Report - Patent Number ▾

Find Results With

All of the words ▾

Enter Search Term

AIAA Paper 2006 0069

[+ GO] [+ RESET SEARCH]

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
USA-SOUTH CAROLINA SAVANNAH,HILTON HEAD I.

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH,HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

> Search *Report-Patent Number* field for citations for *AIAA Paper 2006-0069*

TERM SEARCH OPTIONS

Select Search Field *

Report - Patent Number ▾

Find Results With

All of the words ▾

Enter Search Term

☑ within returned results

[+ GO] [+ RESET SEARCH]

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS
Search Criteria:
● Search Field: **Report - Patent Number** > Results : **All** > Search Term: **AIAA Paper 2006 0069** [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **1** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

Wind Tunnel Tests of Evolved Mars Tumbleweed Concepts

Author(s): Antol, Jeffrey; Harris, Steven B.; Hajos, Gregory A.; Strickland, Christopher V.
Abstract: This paper summarizes the testing conducted in the Basic Aerodynamics Research Tunnel (BART) at NASA Langley Research Center (LaRC) to measure the drag properties of evolved Tumbleweed rover designs.
NASA Center: Langley Research Center, Wallops Flight Center
Publication Year: 2006
Added to NTRS: 2006-08-02
Document ID: 20060004783; Report Number: **AIAA Paper 2006-0069**

+ Back to Top

> **Results**

Term Search Example 7

TERM SEARCH OPTIONS

Select Search Field *

Report - Patent Number

Find Results With

All of the words

Enter Search Term

NASA Case KSC 12246 2

[+ GO] [+ RESET SEARCH]

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shutt Commas and dashes are from search term by se
● Select Reset Search start a new search. See more tips.

SEARCH NTRS

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>

USA-SOUTH CAROLINA SAVANNAH,HILTON HEAD I.

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH,HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

Results

TERM SEARCH OPTIONS

Select Search Field *

Report - Patent Number

Find Results With

All of the words

Enter Search Term

☑ within returned results

[+ GO] [+ RESET SEARCH]

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

SEARCH NTRS

Search Criteria:
● Search Field: **Report - Patent Number** > Results : **All** > Search Term: **NASA Case KSC 12246 2**
[X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **1** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

Zero-Valent Metal Emulsion for Reductive Dehalogenation of DNAPLs

Abstract: A zero-valent metal emulsion is used to dehalogenate solvents, such as pooled dense non-aqueous phase liquids (DNAPLs), including trichloroethylene (TCE). The zero-valent metal emulsion contains zero-valent metal particles, ...
NASA Center: Kennedy Space Center
Publication Year: 2006
Added to NTRS: 2006-08-03
Document ID: 20060017040

+ Back to Top

Term Search Hints

Punctuation
- Use quotes "" for exact phrases, i.e., *"space shuttle"*
- Use asterisk * for wild card to expand term searching, i.e., *comput** searches for computation, computational, computer, computers, computerization, etc.
- Do not use hyphens in report and patent number searching, i.e., *AIAA Paper 87 1746* (no punctuation)
- Do use hyphens for abstract, keyword, and title searches, i.e., *x-ray*
- Do not use slashes in any search, i.e., *NASA NAVY*

Author Searches
- Try searching for author in several ways
    - Enter first initial last name, i.e., *m nelson*
    - Enter first name last name, i.e., *michael nelson*

- Multiple Authors
    - Use last names only, i.e., *yang hill*

Report and Patent Number Searches
- Remove all hyphens and slashes when entering report and patent numbers
- Leave space between letters and numbers

    - NASA-EP-251 report searched as NASA EP 251
    - AIAA Paper 2006-0069 report searched as AIAA Paper 2006 0069
    - NASA-Case-KSC-12246-2 patent searched as NASA Case KSC 12246 2

Search with Navigation Search Options

This section covers:

- Navigation Search

- Navigation Search Options

- Navigation Search Example

- Navigation Search Hints

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
+ Publication Year
+ Subject
+ Availability Options
+ Item/Media Type

Navigation Search

NAVIGATION SEARCH OPTIONS
– Collection
 + NACA
 + NASA
 + NIX
+ NASA Center
+ Publication Year
+ Subject
+ Availability Options
+ Item/Media Type

Navigation Search option provides categories to drill down into a set of results until the desired search result set is achieved

- The "+" sign means that clicking on the category will expand it for more options to select.

- The "-" sign means the category is expanded to show more options to select.

Navigation Search options are tied to the information in the citations. The initial search displays all available Navigation Search options: Collection, NASA Center, Publication Year, Subject, Availability Options, and Item/Media Type.

As search progresses, Navigation Options may disappear because option is no longer available. Example, once **+NACA** is selected, search screen will not display Collection as an option any longer.

Navigation Search Option Descriptions

COLLECTION	**Search either all content collections (which is the default) or select a NASA, NACA, or NIX**

NAVIGATION SEARCH OPTIONS
– Collection
  + NACA
  + NASA
  + NIX
+ NASA Center
+ Publication Year
+ Subject
+ Availability Options
+ Item/Media Type

NTRS searches three major collections:
- NASA (1958-present)
- NACA* (1915-1958)
- NASA Image eXchange (NIX) (1900-present)

NASA and NACA are collections of documents, reports, articles, and movie/videos. NIX is a collection of images/photos and videos/movies. NTRS searches all 3 collections by default but users can select to search within a specific collection using the Navigation Search.

NASA CENTER	**Search either all NASA Centers (which is the default) or select an individual one**

NAVIGATION SEARCH OPTIONS
+ Collection
– NASA Center
  + Ames Research Center
  + Dryden Flight Research Center
  + Glenn Research Center
  + Goddard Space Flight Center
  + Jet Propulsion Laboratory
  + Johnson Space Center
  + Kennedy Space Center

NASA Centers generate the scientific and technical reports and images that are found in NTRS.

Limit searches to an individual NASA Center to view publications, movie/video and image/photo from a specific NASA source.

Navigation Search Option Descriptions

DATE	Year(s) in which a document, video, and/or photo published

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
– Publication Year
  + 1901-1910
  + 1911-1920
  + 1921-1930
  + 1931-1940
  + 1941-1950
  + 1951-1960

→

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
– Publication Year
  + 1911
  + 1912
  + 1913
  + 1914
  + 1915
  + 1916

Date ranges in NTRS are organized by
- 10 year increments
- Then by individual year

SUBJECT	High-level classification of subject terms derived from the NASA Subject Category Guide

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
+ Publication Year
– Subject
  + A-C
  + D-F
  + G-I
  + M-O
  + S-U

→

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
+ Publication Year
– Subject
  + General
  + Geophysics
  + Geosciences (general)
  + Ground Support Systems And
Facilities (space)

NASA and NACA documents and videos are assigned a subject category term to provide a description of the content of the record.

* NIX images/photos and movie/video do not have a subject category term.

Navigation Search Option Descriptions

AVAILABILITY OPTIONS	Allows user to limit searches to items that are online, can be ordered from NASA CASI, or have to be ordered from other sources

NTRS provides access to citations and online documents, images/photos and movies/videos.

Some documents are available online. Documents not found online need to be ordered from the NASA Center for Aerospace Information (CASI) or from the originating source of the content. NTRS citations provide links to ordering information.

+ Online

Formats:

- GIF, JPEG, and MPEG = image/photos
- PDF = documents
- Quicktime = movies/videos

Example: Select "PDF" to only retrieve results which have online documents

+ Order from CASI

Documents and videos are available from CASI

- Documents can be ordered as: CDs, DVDs, Print copies
- Videos can be ordered as: VHS or Beta

+ Order from Other Sources

List of sources to order content provided

Navigation Search Option Descriptions

ITEM/MEDIA TYPE	**Provides list of "types" of content found in NTRS**

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
+ Publication Year
+ Subject
+ Availability Options
– Item/Media Type
  + Image/Photo
  + Journal Article
  + Movie/Video
  + NACA Report
  + NASA Report
  + Other
  + Preprint
  + Technical Report
  + Thesaurus
  + Thesis
  + Bibliography
  + Collected Works
  + Conference Paper
  + Conference Proceedings
  + Congressional Report
  + Dictionary
  + Extended Abstract
  + Journal Issue

NTRS content includes may different categories of documents such as journal articles, technical reports, patents, etc.

Users may find it useful to limit results to a specific kind of document to reduce the number of results.

Use Item/Media Type to find NACA and NASA reports
- Select **+ NACA** to find reports (1915-1958)
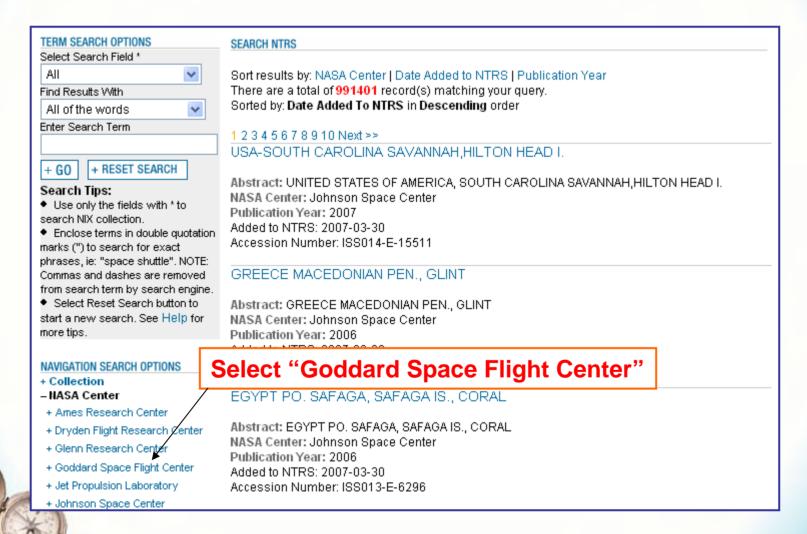- Select **+ NASA** to find reports (1958-present)

Use Availability Options to find online documents
- Select **+ Online**
- Select **+ PDF**

Navigation Search Example

Search on Goddard Space Flight Center information from the early 1930's

TERM SEARCH OPTIONS

Select Search Field *

All ▾

Find Results With

All of the words ▾

Enter Search Term

[ ]

[+ GO] [+ RESET SEARCH]

Search Tips:
* Use only the fields with * to search NIX collection.
* Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
* Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS

+ Collection

– NASA Center

  + Ames Research Center
  + Dryden Flight Research Center
  + Glenn Research Center
  + Goddard Space Flight Center
  + Jet Propulsion Laboratory
  + Johnson Space Center

SEARCH NTRS

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
USA-SOUTH CAROLINA SAVANNAH,HILTON HEAD I.

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH,HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

GREECE MACEDONIAN PEN., GLINT

Abstract: GREECE MACEDONIAN PEN., GLINT
NASA Center: Johnson Space Center
Publication Year: 2006

Select "Goddard Space Flight Center"

EGYPT PO. SAFAGA, SAFAGA IS., CORAL

Abstract: EGYPT PO. SAFAGA, SAFAGA IS., CORAL
NASA Center: Johnson Space Center
Publication Year: 2006
Added to NTRS: 2007-03-30
Accession Number: ISS013-E-6296

Navigation Search Example (cont'd)

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term

☑ within returned results

+ GO   + RESET SEARCH

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS
+ Collection
+ Publication Year
+ Subject
+ Availability Options
+ Item/Media Type

SEARCH NTRS
Selected Navigations:
● NASA Center > Goddard Space Flight Center [X]

Sort results by: NASA Center | Date Added to NTRS |
There are a total of **48275** record(s) matching your qu
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
Single Crystal Silicon Instrument Mirrors

Author(s): Bly, Vince
Abstract: The goals for the fabrication of single crystal silicon instrument mirrors include the following 1) Develop a process for fabricating lightweight mirrors from single crystal silicon (SCS) 2) Modest lightweighting 3X to 4X ...

Abstract: A new, intelligent planning and scheduling system has been delivered to NASA-Goddard Space Flight Center (GSFC) to provide support for the up-coming Hubble Space Telescope (HST)

Added to NTRS: 2007-03-30

NASA Center > Goddard Space Flight Center [**X**] displays.

(To de-select "Goddard," click [**X**] and search goes back to previous search screen)

NASA Center disappears from Navigation Search Options because Goddard was selected so this option is no longer available.

Select "Publication Year" under Navigation Search Options

Navigation Search Example (cont'd)

TERM SEARCH OPTIONS
Select Search Field *
All
Find Results With
All of the words
Enter Search Term

☑ within returned results
+ GO   + RESET SEARCH

Search Tips:
♦ Use only the fields with * to search NIX collection.
♦ Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
♦ Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS
+ **Collection**
– **Publication Year**
  + 1931-1940
  + 1951-1960
  + 1961-1970
  + 1971-1980
  + 1981-1990
  + 1991-2000
  + 2001-2010
+ **Subject**
+ **Availability Options**
+ **Item/Media Type**

SEARCH NTRS
Selected Navigations:

♦ NASA Center > Goddard Space Flight Center [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **48275** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>
Single Crystal Silicon Instrument Mirrors

Author(s): Bly, Vince
Abstract: The goals for the fabrication of single crystal silicon instrument mirrors include the following 1) Develop a process for fabricating lightweight mirrors from single crystal silicon (SCS) 2) Modest lightweighting 3X to 4X ...
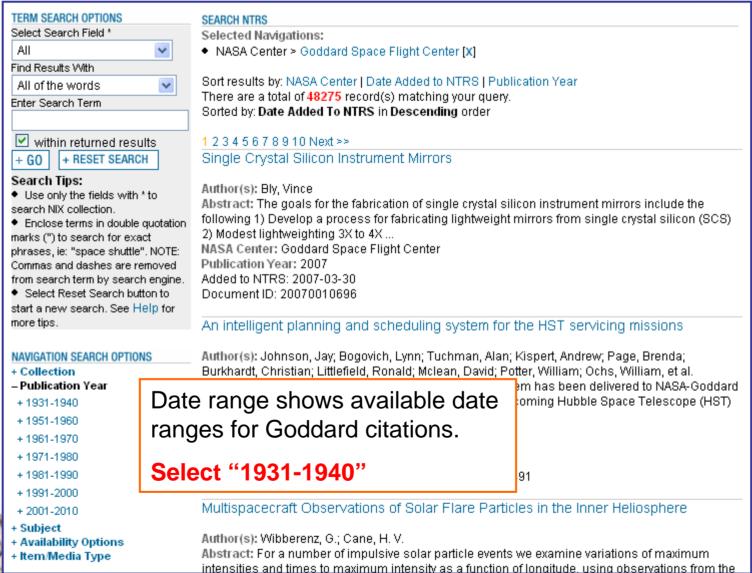**NASA Center:** Goddard Space Flight Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Document ID: 20070010696

An intelligent planning and scheduling system for the HST servicing missions

Author(s): Johnson, Jay; Bogovich, Lynn; Tuchman, Alan; Kispert, Andrew; Page, Brenda; Burkhardt, Christian; Littlefield, Ronald; Mclean, David; Potter, William; Ochs, William, et al.
[...]em has been delivered to NASA-Goddard [...]oming Hubble Space Telescope (HST)

[...]91

Multispacecraft Observations of Solar Flare Particles in the Inner Heliosphere

Author(s): Wibberenz, G.; Cane, H. V.
Abstract: For a number of impulsive solar particle events we examine variations of maximum intensities and times to maximum intensity as a function of longitude, using observations from the

Date range shows available date ranges for Goddard citations.

Select "1931-1940"

Navigation Search Example (cont'd)

TERM SEARCH OPTIONS
Select Search Field *

All

Find Results With

All of the words

Enter Search Term

☑ within returned results

[+ GO] [+ RESET SEARCH]

Search Tips:
◆ Use only the fields with ^ to search NIX collection.
◆ Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
◆ Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS
– Publication Year
+ 1932
+ 1938
+ Subject
+ Availability Options
+ Item/Media Type

SEARCH NTRS
Selected Navigations: [Remove]
◆ NASA Center > Goddard Space Flight Center [X]
◆ Publication Year > 1931-1940 [X]

Sort results by: NASA Center | Date Added to NTRS | Publicatio
There are a total of 2 record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

The command system malfunction of the telstar satelli

Author(s): Brown, W. L.; Gummel, H. K.; Mann, H. P.; Mayo, J. S
Abstract: Command system malfunction of telstar satellite du
redundant command decoder
NASA Center: Goddard Space Flight Center
Publication Year: 1932
Added to NTRS: 2006-11-06
Accession Number: 64N10897; Document ID: 19640000988

High-Absorptance Radiative Heat Sink

Author(s): Cafferty, T.
Abstract: Absorptance of black-painted open-cell aluminum honeycomb improved by cutting honeycomb at angle or bias rather than straight across. This ensures honeycomb cavities escapes. At each reflection radiation attenuated by ...
NASA Center: Goddard Space Flight Center

2739

Date > 1931-1940 [**X**] appears because this date range was selected.

(To de-select date range, click on [**X**] and search will go back to previous search page)

Date shows "1932" and 1938" meaning that 1932 and 1938 are the only years with results.

Click on the year or the citation title to see the full citation.

Navigation Search Hints

Navigation Options

- Initial search displays all available Navigation Search options: Collection, NASA Center, Publication Year, Subject, Availability Options, and Item/Media Type. As search progresses, Navigation Search options disappear when option is no longer applicable to a search set. Example, once + *NACA* is selected, the Collection option will not display
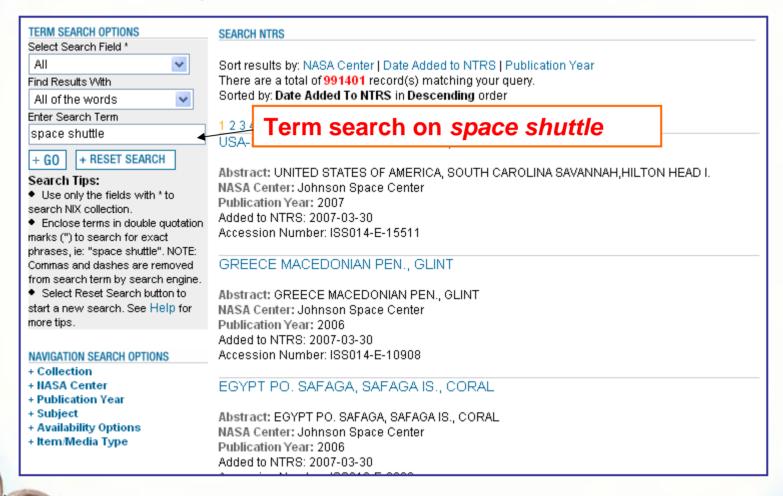
Searches

- Use Item/Media Type to find NACA and NASA series report
  - Select + *NACA* to find reports (1915-1958)
  - NACA report series: aircraft circulars, annual reports, technical memorandums, technical notes, reports, research memorandums, and wartime reports

  - Select + *NASA* to find reports (1958-present)
  - NASA Report series: conference paper, contractor report, educational publication, reference publication, special publication, technical notes, and technical translation

- Use Availability Options to find online documents
  - Select + *Online*
  - Select + *PDF*

Term and Navigation Search Example

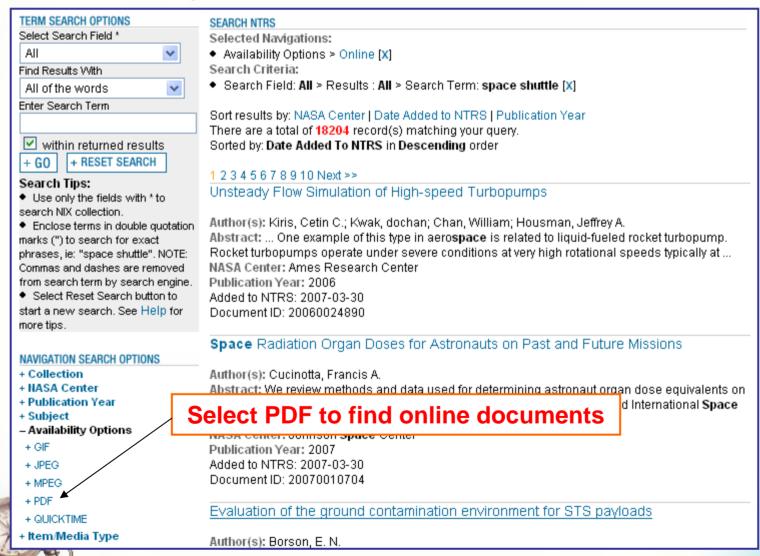## Search on space shuttle documents available online from NTRS

TERM SEARCH OPTIONS

Select Search Field *

[All ▼]

Find Results With

[All of the words ▼]

Enter Search Term

[space shuttle]

[+ GO] [+ RESET SEARCH]

Search Tips:

● Use only the fields with * to search NIX collection.

● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.

● Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS

+ Collection
+ NASA Center
+ Publication Year
+ Subject
+ Availability Options
+ Item/Media Type

SEARCH NTRS

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **991401** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4
USA-

Term search on *space shuttle*

Abstract: UNITED STATES OF AMERICA, SOUTH CAROLINA SAVANNAH, HILTON HEAD I.
NASA Center: Johnson Space Center
Publication Year: 2007
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-15511

GREECE MACEDONIAN PEN., GLINT

Abstract: GREECE MACEDONIAN PEN., GLINT
NASA Center: Johnson Space Center
Publication Year: 2006
Added to NTRS: 2007-03-30
Accession Number: ISS014-E-10908

EGYPT PO. SAFAGA, SAFAGA IS., CORAL

Abstract: EGYPT PO. SAFAGA, SAFAGA IS., CORAL
NASA Center: Johnson Space Center
Publication Year: 2006
Added to NTRS: 2007-03-30

Term and Navigation Search Example (cont'd)

Search on space shuttle documents available online from NTRS

TERM SEARCH OPTIONS
Select Search Field *
[All ▼]
Find Results With
[All of the words ▼]
Enter Search Term
[   ]

☑ within returned results
[+ GO] [+ RESET SEARCH]

Search Tips:
● Use only the fields with * to search NIX collection.
● Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
● Select Reset Search button to start a new search. See Help for more tips.

NAVIGATION SEARCH OPTIONS
+ Collection
+ NASA Center
+ Publication Year
+ Subject
– Availability Options
  + Online
  + Order From CASI
  + Order From Other Sources
+ Item/Media Type

SEARCH NTRS
Search Criteria:
● Search Field: **All** > Results : **All** > Search Term: **space shuttle** [X]

Sort results by: NASA Center | Date Added to NTRS | Publication Year
There are a total of **34802** record(s) matching your query.
Sorted by: **Date Added To NTRS** in **Descending** order

1 2 3 4 5 6 7 8 9 10 Next >>

Unsteady Flow Simulation of High-speed Turbopumps

Author(s): Kiris, Cetin C.; Kwak, dochan; Chan, William; Housman, Jeffrey A.
Abstract: ... One example of this type in aero**space** is related to liquid-fueled rocket turbopump. Rocket turbopumps operate under severe conditions at very high rotational speeds typically at ...
NASA Center: Ames Research Center
Publication Year: 2006
Added to NTRS: 2007-03-30
Document ID: 20060024890

Space Radiation Organ Doses for Astronauts on Past and Future Missions

Author(s): Cucinotta, Francis A.
Abstract: We review methods and data used for determining astronaut organ dose equivalents on past **space** missions including Apollo, Skylab, **Space Shuttle**, NASA-Mir, and International **Space**

Select Availability Options then select +Online

Evaluation of the ground contamination environment for STS payloads

Author(s): Borson, E. N.

Term and Navigation Search Example (cont'd)

Search on space shuttle documents available online from NTRS

Select PDF to find online documents

NASA STI Help Desk and NIX Help

Search question and ordering information for NACA, NASA, and NIX scientific and technical information and imagery

NASA STI Help Desk

NASA STI Help Desk
NASA Center for AeroSpace Information (CASI)
7115 Standard Drive
Hanover, MD 21076-1320
Phone: 301-621-0390 or
Fax: 301-621-0134

E-mail: HELP@STI.NASA.GOV
Subject line: NTRS Comments

Website: http://www.sti.nasa.gov

NASA Image eXchange Help

E-mail: nix@larc.nasa.gov
Subject line: NIX Comments

Website: http://nix.nasa.gov

Check the NASA Reference Desk for answers to other questions about NASA.

Inquiries that are **non-STI related** should be sent to public-inquiries@larc.nasa.gov

Complete List of Citation Fields

Abstract	Brief summary explaining content in a document, image, and/or video
Accession No.	Unique identifier assigned to records at the time of receipt or creation. In the case of the NASA and NACA collections, this is a historic record number that was assigned by CASI between the years 1962 and 1997. For the NIX collection, this identifier is present for all records.
Accessibility	NTRS only provides access to unclassified, unlimited, and publicly available technical works. Some works may be copyrighted and may not be available on NTRS if NASA does not have rights to distribute works.
Author(s)	Creator of technical work
Available Data	Indicates what data available from CASI. For some documents that must be ordered from other organizations only the abstract may be available.
Contract-Grant-Task No.	Contract, grant, or task number
Download Doc.	Document available to download to desktop
Document ID	Unique number assigned to all records in the NASA and NACA collections; may be used to order items available from CASI
Document Source	Organization providing document or video. Value of "CASI" means item available from CASI. Value of "Other" means item is not available from CASI and must be ordered from another organization.
Keywords	Words describing concepts of technical work/video derived from NASA Thesaurus
Meeting Information	Location and date of meeting

Complete List of Citation Fields (cont'd)

NASA Center	NASA Center authoring, funding, or sponsoring item
No Digital Version Available	Document not accessible online. Click on "Go to Tips on Ordering" to find out how to obtain document.
Price Code	Code used to determine price of document or video. PDF's are free, however if document is not yet digitized there is a fee for copying and mailing, etc.
Publication Date	Year in which technical work published
Publication Info.	City, country, and related publication information
Related Information	Provides additional information about an item not included in other fields
Report Number	Unique number assigned to document by NASA, or other publishing organization, at time of publishing
Title	Title of work
Updated/Added to NTRS	Date item loaded to NTRS