

DISSABS

Subject Coverage	<p>All subject areas are covered, including:</p> <ul style="list-style-type: none"> • Agriculture and Food Science • Bioscience and Biotechnology • Business • Chemistry • Education • Electronics and Telecommunications • Engineering and Construction • Geosciences • Health and Safety • Materials Science • Mathematics and Computer Science • Multidisciplinary Science and Technology • Pharmaceuticals • Physics • Social Sciences 		
File Type	Bibliographic		
Features	CAS Registry Numbers® <input type="checkbox"/> Keep & Share <input checked="" type="checkbox"/> Learning Database <input type="checkbox"/>	Page Images <input type="checkbox"/> SLART <input checked="" type="checkbox"/> Structures <input type="checkbox"/>	STN AnaVist <input type="checkbox"/> STN Easy <input type="checkbox"/> STN Viewer <input type="checkbox"/>
Record Content	<ul style="list-style-type: none"> • DISSABS (Dissertation Abstracts) is a bibliographic database from ProQuest Information and Learning Company that contains the definitive guide to subject, title, and author for nearly every dissertation granted at accredited North American universities since 1861. Selected master's theses from 1962 and dissertations from other institutions worldwide are included in the database. • The records in this file contain bibliographic information, broad subject indexing, and abstracts. Abstracts are included for records beginning with <i>Dissertation Abstracts International</i>, July 1980, Volume 41, Number 1, and with <i>Masters Abstracts International</i>, Spring 1988, Volume 26, Number 1. 		
File Size	More than 2,386,900 (11/2010)		
Coverage	<ul style="list-style-type: none"> • 1861 to the present for dissertations • 1962 to the present for master's theses 		
Updates	Updated monthly with more than 4,800 records		
Language	English		
Database Producer	ProQuest UMI Dissertation Publishing 789 E. Eisenhower Parkway, P O Box 1346 Ann Arbor, MI 48106-1346 USA Phone: 800-521-0600 Fax: 734-761-9836 Web: http://www.proquest.com E-mail: disspub@proquest.com		

- Sources**
- Dissertation Abstracts International
 - Comprehensive Dissertation Index
 - *Masters Abstracts International*
 - American Doctoral Dissertations
-

- User Aids**
- Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE
-

- Clusters**
- [AEROTECH](#)
 - [AGRICULTURE](#)
 - [ALLBIB](#)
 - [AUTHORS](#)
 - [BIOSCIENCE](#)
 - [BUSINESS](#)
 - [CHEMENG](#)
 - [CHEMISTRY](#)
 - [COMPUTER](#)
 - [CORPSOURCE](#)
 - [ELECTRICAL](#)
 - [ENGINEERING](#)
 - [ENVIRONMENT](#)
 - [FOOD](#)
 - [FUELS](#)
 - [GEOSCIENCE](#)
 - [HEALTH](#)
 - [HUMANITIES](#)
 - [MEDICINE](#)
 - [PHARMACOLOGY](#)
 - [PHYSICS](#)
 - [POLYMERS](#)
 - [RESEARCH](#)
 - [RFTOOLS](#)
 - [TOXICOLOGY](#)
-

Pricing See the [STN Price List](#) or enter HELP COST at an arrow prompt (=>).

Search and Display Field Codes

The fields that allow left truncation (/BI, /TI) in this file are indicated by an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the title and the abstract)	None (or /BI)	S MODEL# S SPIN LATTICE/BI S ?PLASTIC?	AB, TI
Abstract	/AB	S SYNTHESIS/AB S ?VALENC?/AB	AB
Accession Number	/AN	S 92:106/AN	AN
Author/Adviser	/AU	S GILPIN, R?/AU	AU
Classification Code (1) (Descriptor) (code and text)	/CC	S ENGINEERING/CC S AEROSPACE ENGINEERING/CC S 0538/CC	CC
Corporate Source/Institution (1) (code and text)	/CS	S DUKE/CS S PACIFIC UNIV?/CS S 0173/CS	CS
Entry Date (2,3)	/ED	S ED>=921231	ED
Field Availability	/FA	S AB/FA	Not displayed
File Segment (code and text)	/FS	S MAI/FS S MASTERS ABSTRACTS INTERNATIONAL/FS	FS
International Standard (Document) Number (contains ISBN)	/ISN	S 0-315-61037-9/ISN	ISN, SO
Journal Title	/JT	S AMERICAN DOCTORAL DISSERTATION/JT	JT, SO
Language (code and text)	/LA	S ENGLISH/LA S EN/LA	LA
Publication Date (2)	/PD	S 19920000/PD	SO
Publication Year (2)	/PY	S 1950/PY	PY
Source (contains journal title, collation, publication date, publisher, no. of pages, order number, and ISBN)	/SO	S (MASTERS (L) VOL 30)/SO S 0-315-61037-9/SO S AAR1347307/SO	ISN, JT, SO
Title*	/TI	S DISTORT? ISOMER?/TI S ?CYCLIC?/TI	TI
Update Date (2)	/UP	S UP>20041231	UP

(1) Search with implied (S) proximity is available in this field.

(2) Numeric search field that may be searched using numeric operators or ranges.

(3) No ED available for records covering November 1997-October 2003 when the file was absent from STN.

DISSABS**DISPLAY and PRINT Formats**

Any combination of display fields and formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all searchable fields, except PY. Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB AN AU CC CS ED FS ISN JT LA PY SO TI UP	Abstract Accession Number Author/Adviser Classification Code (Descriptor) Corporate Source/Institution Entry Date File Segment International Standard (Document) Number (ISBN) Journal Title Language Publication Year Source Title Update Date	D L4 1-4 AB D L1 3 AN D AU CS 1,3-5 D CC 5-10 D 1-3,7,8 CS SO D 6 ED D FS 1-5 D L1 ISN 3 D 1,3,6,8 JT L5 D LA D L8 PY 1-3 D 1 4 SO D L1 TI AB D 5 UP
ABS ALL BIB CBIB IALL IBIB IND SAM SCAN	AB AN, TI, AU, CS, SO, FS, LA, AB, CC AN, TI, AU, CS, SO, FS, LA (default) Compressed bibliographic information ALL, indented with text labels BIB, indented with text labels CC TI, CC TI, CC (random display without answer numbers)	D AB D 1, 3, 5 ALL D 1-10 BIB D CBIB D IALL D 1-3,5 IBIB D L3 2 IND D SAM D SCAN
HIT KWIC OCC	Fields containing hit terms Hit terms with 20 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and fields in which they occur	D 1 5 10 HIT D KWIC D OCC

SELECT and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	SELECT(1)	SORT
Abstract	AB	Y (2)	N
Accession Number	AN	Y	N
Author/Adviser	AU	Y	Y
Classification Code (Descriptor)	CC	Y	Y
Corporate Source/Institution	CS	Y	Y
Document Type	DT	Y	Y
Entry Date	ED	Y	Y
File Segment	FS	Y	Y
International Standard Book Number	ISBN	N	Y
International Standard (Document) Number	ISN	Y	Y
Journal Title	JT	Y	Y
Language	LA	Y	Y
Occurrence of Hit Terms	OCC	N	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y (4)	Y
Source	SO	Y (5)	N
Title	TI	Y (default)	Y
Update Date	UP	Y	Y

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- (2) Appends /BI.
- (3) Selects ISBN.
- (4) SELECT HIT is not valid with this field.
- (5) Selects ISBN with /SO appended.

DISSABS

Sample Records

DISPLAY IBIB

ACCESSION NUMBER: 92:9266 DISSABS Order Number: AAR1347297
 TITLE: DEVELOPMENT OF A COMPUTER MODEL FOR TWO DIMENSIONAL
 OSCILLATORY FLOW OF INCOMPRESSIBLE VISCOUS FLUIDS
 AUTHOR: LIU, CHEN-KUO [M.S.]; DONOVAN, FRANCIS M., JR.
 [adviser]
 CORPORATE SOURCE: UNIVERSITY OF SOUTH ALABAMA (0491)
 SOURCE: Masters Abstracts International, (1992) Vol. 30, No.
 3, p. 865. Order No.: AAR1347297. 107 pages.
 DOCUMENT TYPE: Dissertation
 ENTRY DATE: Entered STN: 19921118
 Last updated on STN: 19921118
 FILE SEGMENT: MAI
 LANGUAGE: English

DISPLAY ALL

AN 92:9156 DISSABS Order Number: AAR9229599
 TI ECOLOGY, BEHAVIOR, IMPACT, AND AN INTEGRATED PEST MANAGEMENT
 STRATEGY FOR THE ORANGESTRIPED OAKWORM, ANISOTA SENATORIA (J. E.
 SMITH), IN THE URBAN LANDSCAPE (DEFOLIATION)
 AU COFFELT, MARK ALAN [PH.D.]; SCHULTZ, PETER B. [adviser]
 CS VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (0247)
 SO Dissertation Abstracts International, (1992) Vol. 53, No. 5B, p.
 2144. Order No.: AAR9229599. 288 pages.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19921118
 Last updated on STN: 19921118
 AB The biology of *Anisota senatoria* J. E. Smith (Lepidoptera: Saturniidae)
 was examined through ecological studies of within-tree distribution and
 dispersion, and the influence of a tree growth regulator on development and
 survival. Biological characteristics examined egg mass size and development,
 pheromone attraction, response to blacklight traps, adult emergence,
 laboratory development, pupal mortality and comparison of first versus second
 generation development time, fecundity and amount of infestation. Within-tree
 distribution of life stages showed significant differences between low
 (1.7-3.6 m in height), middle (3.7-5.5 m) and high (5.6-7.6 m) strata.
 Dispersion indices generated from Taylor's power law showed aggregation was
 greatest among early instars, followed by third instars and late instars. A
 fixed level precision sampling plan was developed based on the number of eggs
 and early instars present in low strata. The tree growth regulator
 paclobutrazol significantly reduced *Q. phellos* L., willow oak, growth,
 especially one and two years posttreatment. One year posttreatment,
 paclobutrazol treatments significantly slowed development and decreased
 survival of early instars, but the opposite relationship was found with late
 instars.
 Behavior studies showed that increased *A. senatoria* survival occurred
 with increased group size. Laboratory and field experiments revealed critical
 group sizes for survival of 1-3 larvae and between 25-50 larvae.
Anisota senatoria defoliation impact and frass were measured. Growth and
 root starch were significantly reduced with increased defoliation in *Quercus*
palustris Muench., pin oak, but *Q. phellos* root starch was not reduced.
 Reduction in starch content in *Q.* Landscape fabrics were a reliable sampling
 method for frass. Frass was used as a method for differentiating larval
 instars and predicted defoliation of *Q. palustris*.

An integrated pest management (IPM) program was developed that included information on native parasites, host plant preference, a citizen survey, and aesthetic indicators. Four egg parasite species including an *Aprostocetus* new species, five larval parasites and eight hyperparasites were collected. Host plant preference experiments indicated that *Q. alba* L., white oak, was least preferred by *A. senatoria*. A citizen survey provided a framework for designing an IPM program. Monitoring and establishing an aesthetic injury level of 25% defoliation decreased pesticide volume without an attendant increase in damage. The number of egg masses (threshold) that caused 25% defoliation ranged from one to nine.

CC 0353 BIOLOGY, ENTOMOLOGY; 0329 BIOLOGY, ECOLOGY; 0472 BIOLOGY,
ZOOLOGY

DISPLAY SAM

TI SOLAR ENERGY AS A POTENTIAL HEAT SOURCE FOR THE HEAT PUMP
CC 0548 ENGINEERING, MECHANICAL; 0791 ENERGY

In North America

CAS
STN North America
P.O. Box 3012
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:
Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)
Fax: 614-447-3751
E-mail: help@cas.org
Internet: www.cas.org

In Europe

FIZ Karlsruhe
STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49-7247-808-555
Fax: +49-7247-808-259
E-mail: helpdesk@fiz-karlsruhe.de
Internet: www.stn-international.com

In Japan

JAICI (Japan Association for
International Chemical Information)
STN Japan
Nakai Building
6-25-4 Honkomagome, Bunkyo-ku
Tokyo 113-0021, Japan
Phone: +81-3-5978-3601 (Technical Service)
+81-3-5978-3621 (Customer Service)
Fax: +81-3-5978-3600
E-mail: support@jaici.or.jp (Technical Service)
customer@jaici.or.jp (Customer Service)
Internet: www.jaici.or.jp