

Web of Science

Citation Indexes

- All Databases
- Select a Database
- Web of Science**
- Additional Resources

Web of Science®

Access the world's leading scholarly literature in the sciences, social sciences, arts, and humanities and examine proceedings of international conferences, symposia, seminars, colloquia, workshops, and conventions.

[hide]

- Navigate with cited reference searching and Author Finder
- Create a visual representation of citation relationships with Citation Mapping
- Capture citation activity and trends graphically with Citation Report
- Use the Analyze Tool to identify trends and patterns
- Backfiles available to 1900

Your edition(s):

- Science Citation Index Expanded (1899-present)
- Social Sciences Citation Index (1956-present)
- Arts & Humanities Citation Index (1975-present)
- Conference Proceedings Citation Index- Science (1990-present)
- Conference Proceedings Citation Index- Social Science & Humanities (1990-present)

MEDLINE® (1950-present)

The U.S. National Library of Medicine® (NLM®) premier life sciences database.

[hide]

- Explore biomedicine and life sciences, bioengineering, public health, clinical care, and plant and animal science
- Search precisely with MeSH terms and CAS registry numbers; link to NCBI databases and PubMed Related Articles
- Backfiles to 1950

Journal Citation Reports®

Journal performance metrics offer a systematic, objective means to critically evaluate the world's leading journals

[hide]

- Delivers quantifiable statistical information based on citation data
- Provides a variety of impact and influence metrics, including the Journal Impact Factor and *Eigenfactor*™
- Includes rank-in-category tables, journal self-citations, and Impact Factor boxplots

BIOSIS Previews® (1969-present)

Life sciences and biomedical research covering pre-clinical and experimental research, methods and instrumentation, animal studies, and more.

[hide]

- Access content from journals, meetings, patents, and books
- Search precisely with BIOSIS indexing, enhanced MeSH terms, and CAS registry numbers

Science (1899+) and Social Science (1956+)


Use the **“All Databases”** tab or select a **single database**

Library Search Hints & Guides
<http://www.prism.gatech.edu/~bw21>

Web of Science

- **Science Citation Index Expanded (SCI-EXPANDED)** --**1899**-present
- **Conference Proceedings Citation Index-Science (CPCI-S)** --**1990**-present (content); **cited references 1999** forward
- **Social Sciences Citation Index (SSCI)** --**1956**-present
- **Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH)** --**1990**-present (content); cited references **1999** forward
- **Arts & Humanities Citation Index (A&HCI)** --1975-present

Web of Science

- Select "**Science Citation Index**"
 - If you are searching a topic such as psychology, **also** choose "**Social Sciences Citation Index**"
- Click on "**Cited Reference Search**"
- Optional: "Limit to" **Timespan** (if needed).
From ___ to ___ (default is all years)
- **Browse** for **variations** of **author** names (index icon) 
- **Truncation *** (asterisk) zero or more characters

- Proximity operators
 - **NEAR/x** terms occur within a user-specified number of words. Wireless NEAR/2 networks
 - **SAME** – **only** use in the **address** field. Terms must occur within the same address
 - **Phrase** search – for an exact phrase, enter in quotation marks “sensor fusion”
- Can limit by fields TI=(engineer*)
- Default operator is AND
- Use footnotes and bibliographies/references at the end of similar papers to locate additional sources
- Left Hand Truncation “*phosphate” = monophosphate, triphosphate, etc. (might not work properly)

- **Lemmatization** (default is "On").
 - Automatic searches for many **spelling variations** in topic and title search terms
 - **British/US English** (colour / color)
 - Name variants (mice / mouse).
 - Stemming for **plurals**
 - Is **not** applied to search terms enclosed in quotation marks (" ")

Search

(optic or optical) and (fiber)


Example: oil spill* mediterranean

in

Topic

Adjust your search settings

Note: Spelling variations (such as US and UK spelling differences) in topic and title search terms are found automatically (for example, behavior and behaviour). To disable this feature, enter quotation marks around terms (for example, "colour").

Lemmatization 

(finds alternative forms of the search term, for example, tooth and teeth)

Current Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan

All Years (updated 2011-08-10)

From 1899 to 2011 (default is all years)

Citation Databases

Science Citation Index Expanded (SCI-EXPANDED) --1899-present

Social Sciences Citation Index (SSCI) --1956-present

Arts & Humanities Citation Index (A&HCI) --1975-present

Conference Proceedings Citation Index- Science (CPCI-S) --1990-present

Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH) --1990-present

Adjust your results settings

Records per page

Sort by

Web of Science

- **Try without “Cited Year”** first.
 - Use “Time Span” before using “Cited Year”
 - Only use “Cited Year” if results are too large.
- Do **NOT** use “**Cited Work**”
 - “Cited Work” box must contain the EXACT abbreviation
- **Timespan** (Limit to). If too many records, can choose a timespan, beginning at the earliest possible date of the item (year conference was held or year journal article was published)
- Remember that **conferences** can be **held one year and published 1-3** or more **years later**

Cited Authors

- **Cited** Author - search by **First Author**
- **Full first name** searching for articles processed in **2007 or after**
- Search both **first** author with **initials** **and** also **first** author with **full** first name
- Try searching with **and** without the **middle** initial. Try **variants**, first initial & full first name, etc. Can try to truncate after first name/initial
- **Cited** reference **variants** are **not** found with the **Secondary Author**. Always conduct cited reference searches using the **first author's** name. Browse ("Cited Author" icon) using first author to find all variants. Watch for initials (one or two), full names, and spacing
- Note **spaces** "TK" or "T K" (**one** space **or no** spaces)
- Spaces and punctuation might be stripped -- Cited author = vandenburgh b* or van den burg b*)

Cited Reference Search

II Databases | Select a Database | Web of Science | Additional Resources

Search | Author Finder | Cited Reference Search | Advanced Search | Search History

Web of ScienceSM

Cited Reference Search

(Find the articles that cite a person's work)

Step 1: Enter information about the cited work. Fields are combined with the Boolean AND operator.

* Note: Entering the volume, issue, or page in combination with other fields may reduce the number of cited reference variants found.

(CLOUGH W G) OR (CLOUGH WAYNE) OR (CLOUGH WG) OR (CLOUGH G WAYNE) OR (CLOUGH GW)

Example: O'Brian C* OR OBrian C*

Example: J Comp* Appl* Math* (journal abbreviation list)

2000 or 2001 or 2002

Example: 1943 or 1943-1945

Add Another Field >>

Search Clear Searches must be in English

Current Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan

All Years (updated 2011-07-21)

From 2000 to 2011 (default is all years)

Citation Databases

- Science Citation Index Expanded (SCI-EXPANDED) --1899-present
- Social Sciences Citation Index (SSCI) --1956-present
- Arts & Humanities Citation Index (A&HCI) --1975-present
- Conference Proceedings Citation Index- Science (CPCI-S) --1990-present
- Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH) --1990-present

- **First Author**
- **Leave "Cited Work" box blank** (exact abbreviation)
- **Timespan** -- **only** if needed
- Only use "**Cited Year(s)**" if results too large
- Try "**Time Span**" before "Cited Year" (note possible conference date variation)

(CLOUGH W G) OR (CLOUGH WAYNE) OR (CLOUGH WG) OR (CLOUGH G WAYNE) OR (CLOUGH GW)

in Cited Author

Example: O'Brian C* OR O'Brian C*

Example: J Comp* Appl*

1976 or 1977 or 1978

Example: 1943 or 1943-

Timespan

All Years

From 1976

Cited Reference Search (Find the articles that cite a person's work)

Step 2: Select cited references and click "Finish Search."

Hint: Look for cited reference variants (sometimes different pages of the same article are cited or papers are cited incorrectly)

CITED REFERENCE INDEX

References: 1 - 22 of 22

Page 1 of 1 Go

Select Page Select All* Clear All **Finish Search**

Select References	Cited Author	Cited Work [SHOW EXPANDED TITLES]	Year	Volume	Page	Article ID	Citing Articles **	View Record
<input checked="" type="checkbox"/>	CLOUGH GW	P 2 INT C NUM METH G	1976		496		2	
<input type="checkbox"/>	CLOUGH GW	CE218 STANF U DEP CI	1977				2	
<input checked="" type="checkbox"/>	CLOUGH GW	ICNMG	1976		496		1	
<input type="checkbox"/>	CLOUGH GW	INT S SOFT CLAY BANG	1977		39		1	
<input type="checkbox"/>	CLOUGH GW	J GEOTECH ENG DIV AS	1977		75		1	
<input type="checkbox"/>	CLOUGH GW	LESSONS LEARNED FINI	1976		496		1	
<input checked="" type="checkbox"/>	CLOUGH GW	NUMERICAL METHOD GEO	1976		496		4	
<input type="checkbox"/>	CLOUGH GW	NUMERICAL METHODS GE	1977		506		1	
<input type="checkbox"/>	CLOUGH GW	NUMERICAL METHODS GE	1977			CH5	1	
<input checked="" type="checkbox"/>	CLOUGH GW	P 1 INT C NUM METH G	1976	1	496		2	
<input checked="" type="checkbox"/>	CLOUGH GW	P 2 INT C NUM METH G						
<input type="checkbox"/>	CLOUGH GW	P 6 WORLD C EARTHQ B						
<input type="checkbox"/>	CLOUGH GW	P 9 INT C SOIL MECH						
<input type="checkbox"/>	CLOUGH GW	STABILIZING BERM DES						
<input checked="" type="checkbox"/>	CLOUGH GW	2 P INT C NUM METH G						
<input checked="" type="checkbox"/>	CLOUGH GW	2ND INT C NUM METH G						
<input checked="" type="checkbox"/>	CLOUGH GW	2ND P INT C NUM METH	1976	1	496		3	
<input checked="" type="checkbox"/>	CLOUGH GW	2ND P INT C NUM METH	1976				3	
<input checked="" type="checkbox"/>	CLOUGH GW	2ND P INT C NUMB MET	1976	1			1	
<input checked="" type="checkbox"/>	CLOUGH GW	2ND PO INT C NUM MET	1976				1	

- Look at all screens
- Think of all possible variations

Web of ScienceSM

<< Back to previous page

Results Cited Author=((CLOUGH W G) OR (CLOUGH WAYNE) OR (CLOUGH WG) OR (CLOUGH G WAYNE) OR (CLOUGH GW) OR (CLOUGH G W)) AND Cited Year=(1976 or 1977 or 1978)
Timespan=1976-2011. Databases=SCI-EXPANDED, CPCI-S

Results: 20

Page 1 of 2 Go

Sort by: Publication

Refine Results

Search within results for

Web of Science Categories

- ENGINEERING GEOLOGICAL (13)
- GEOSCIENCES MULTIDISCIPLINARY (12)

+ (0) | Save to: EndNote Web | EndNote | ResearcherID | more options

1. Title: **Application of nonlinear optimization technique to back analyses of deep excavation**
 Author(s): Tang Yu-Geng; Kung Gordon Tung-Chin
 Source: COMPUTERS AND GEOTECHNICS Volume: 36 Issue: 1-2 Pages: 276-290 DOI: 10.1016/j.compgeo.2008.02.004 Published: JAN-MAR 2009
 Times Cited: 4 (from Web of Science)

20. Title: **OBSERVED AND PREDICTED TEST PILE BEHAVIOR**
 Author(s): OTTAVIANI M; MARCHETTI S
 Source: INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL I 2 Pages: 131-143 DOI: 10.1002/nag.1610030203 Published: 1979
 Times Cited: 2 (from Web of Science)

Results: 20 Show 50 per page

Page 1 of 1 Go

Output Records

Step 1:

- Selected Records on page
- All records on page
- Records 1 to 20

Step 2:

- Authors, Title, Source
 - plus Abstract
- Full Record
 - plus Cited References

Step 3: How do I export to bibliographic management software?

Save to: EndNote Web | EndNote | ResearcherID

Save to Plain Text

+ (0)

Cited Reference Search

- Look at **all** Cited Reference **screens**
- Think of **all** possible cited reference **variations**.
Different ways to write the **title**, errors in **year**, errors in **volume** number, errors in **page** numbers.
- **Conference** can be held one year and published a different year (one, two, three or more years **later**).
- Select one at a time, or "Select All" or "Select Page"
- **Finish Search**
- First author exception: **Three dots (ellipses)**. Not first author. Only includes secondary authors if publications are indexed by ISI. Browse by first Cited Author (icon)
- Always use **first author**. Use Author icon to browse for author variations (1 or 2 initials, full first name, spacing)
- Full Record or Authors-Title-Source-Abstract
- "Analyze Results" or "Create Citation Report" or "Refine Results"
- Print, Email, Save to File

Step 2: Select cited references and click "Finish Search."

Hint: Look for cited reference variants (sometimes different pages of the same article are cited or papers are cited incorrectly).

CITED REFERENCE INDEX
References: 1 - 50 of 323

Page 1 of 7 Go

Select Page Select All* Clear All Finish Search

Select References	Cited Author	Cited Work [SHOW EXPANDED TITLES]	Year	Volume	Page	Article ID	Citing Articles **	View Record
<input type="checkbox"/>	BELL, JNB...CLOUGH, WS	NATURE	1973	241	47	10.1038/241047b0	103	View Record
<input type="checkbox"/>	BENOIT, J...CLOUGH, GW	J GEOTECH ENG-ASCE	1986	112	60		19	View Record
<input type="checkbox"/>	BOAR, FR...CLOUGH, WT	WATER RES	1995	29	2167	10.1016/0043-1354(95)00034-I	9	View Record
<input type="checkbox"/>	CASTLEMA.B...CLOUGH, WG	NEW ENGL J MED	1967	277	536		2	View Record
<input type="checkbox"/>	CHAMBERLAIN, AC...CLOUGH, WS	POSTGRAD MED J	1975	51	790		9	View Record
<input type="checkbox"/>	CHAMBERLAIN, AC...CLOUGH, WS	P ROY SOC LOND B BIO	1975	192	77	10.1098/rspb.1975.0152	43	View Record
<input type="checkbox"/>	CHAMEAU, JL...CLOUGH, GW	B SEISMOL SOC AM						
<input type="checkbox"/>	CHAMEAU, JL...CLOUGH, GW	J GEOTECH ENG-ASC						
<input type="checkbox"/>	CLOUGH, W	BIOCHEMISTRY-US						
<input type="checkbox"/>	CLOUGH, W	BIOCHIM BIOPHYS AC						
<input type="checkbox"/>	CLOUGH, W	CLIN INFECT DIS						
<input type="checkbox"/>	CLOUGH, W	P NATL ACAD SCI-BIO						
<input type="checkbox"/>	CLOUGH WS	J AEROSOL SCI						
<input type="checkbox"/>	CLOUGH WR	T ASME D						
<input type="checkbox"/>	CLOUGH WR	T ASME D						
<input type="checkbox"/>	CLOUGH GW	ASCE J SOIL MECHAN						
<input type="checkbox"/>	CLOUGH GW	ASCE SPEC C						
<input type="checkbox"/>	CLOUGH GW	DESIGN PERFORMAN						
<input type="checkbox"/>	CLOUGH. GW	J GEOTECH ENG-ASC						
<input type="checkbox"/>	CLOUGH W	SOFT CLAY ENG			1981	100		2
<input type="checkbox"/>	CLOUGH W	SOFT CLAY ENG			1981	569		1
<input type="checkbox"/>	CLOUGH WG	25 ASCE GSP			1990	439		1

- **Secondary author** (not the first author). **Ellipsis (...)** prior to secondary author name
- **Finish Search**
- Select one at a time, or records **_ to _**

Record 1 of 12**Author(s):** Azevedo, RF; Parreira, AB; Zornberg, JG**Title:** Numerical analysis of a tunnel in residual soils**Source:** JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, 128 (3): 227-236 MAR 2002**Language:** English**Document Type:** Article**Author Keywords:** numerical analysis; residual soils; tunnels; finite elements; constitutive models; excavation; overconsolidated clays

Abstract: This paper presents results of an elastoplastic finite element back analysis of a shallow tunnel through residual soils. The tunnel was constructed as part of the expansion of the underground transit system in the city of Sao Paulo, Brazil. A comprehensive laboratory testing program on undisturbed soil samples was performed in order to characterize the stress-strain-strength behavior of the residual soils. Results from this laboratory testing program were used to calibrate a nonassociated elastoplastic constitutive model utilized to reproduce the behavior of the residual soils under stress paths typical of underground excavation. A stress transfer method is proposed to simulate, using a two-dimensional finite element analysis, the response of the soil mass to the three-dimensional advancement of a tunnel excavation. Comparisons are presented between monitored displacements from an instrumented section of the Paraiso tunnel, empirical predictions, and the results of a finite element back analysis. Good agreement is achieved between the displacements obtained from field instrumentation data and the empirical and numerical results.

Addresses: Univ Fed Vicosa, Vicosa, MG, Brazil; Univ Sao Paulo, Sao Paulo, Brazil; Univ Colorado, Boulder, CO 80309 USA**Reprint Address:** Azevedo, RF, Univ Fed Vicosa, Vicosa, MG, Brazil.**Cited References:** ALONSO EE, 1990, GEOTECHNIQUE, V40, P405.

AUGARDE CE, 1995, P 5 S NUM MOD GEOM, V1, P457.

BERNSTEIN DS, 1995, INT J ROBUST NONLIN, V5, P1.

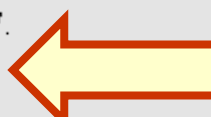
BROWN PT, 1985, COMPUTERS GEOTECHNIC, V1, P207.

CLOUGH GW, 1976, P 2 INT C NUM METH G, P496.

EISENSTEIN Z, 1986, CANADIAN TUNNELING, P19.

HANAFY EA, 1982, P 4 INT C NUM METH G, V3, P1203.

KUPPER AAG, 1985, P 1 INT C GEOM TROP, V1, P117.



WONG LW, 1993, P 11 SE AS GEOT C, P787.

YONG KY, 1989, COMPUT GEOTECH, V8, P311.

Cited Reference Count: 24**Times Cited:** 5**Publisher:** ASCE-AMER SOC CIVIL ENGINEERS**Publisher Address:** 345 E 47TH ST, NEW YORK, NY 10017-2398 USA**ISSN:** 1090-0241

Warning: searching only **one initial** produces **too many** results. [Gaylord T] retrieves not only [T. Gaylord] but also selected variations [T. G. Gaylord etc.]; using one initial is **not** equivalent to truncating the first initial [Gaylord T*]. If needed, search the one initial (author name) separately. **Browse** Author (Index icon)

Search

- Search by keywords or author for topics in **biology**, **medicine**, and **chemistry**
- Search by author (to remove self cites)

Web of ScienceSM

Cited Reference Search (Find the articles that cite a person's work)

Browse -- "Author Index" ; "Cited Author Index"

Current Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan

- All Years (updated 2011-07-21)
- From 1899 to 2011 (default is all years)

Author Index (“**Author Index**” and “**Cited Author Index**”)

Use the Browse feature to locate authors to add to your query.

Click on a letter or type a few letters from the beginning of the name to browse alphabetically by author.

Example: Johan to jump to entries which begin with JOHAN

gaylord t

Move To

A B C D E F

Page Range: GAYLORD T -- GAYLORD TW

Records	Add to Query	Author
5	Add	GAYLORD T
8	Add	GAYLORD T G
13	Add	GAYLORD T GIBSON
3	Add	GAYLORD T K
5	Add	GAYLORD TD
37	Add	GAYLORD TG
18	Add	GAYLORD THOMAS K
268	Add	GAYLORD TK
1	Add	GAYLORD TM

Cited Author Index

Use the Browse feature to locate primary cited authors to

Click on a letter or type a few letters from the beginning of the

Example: Johan to jump to entries which begin with JOHAN

gaylord t

Move To

A B C D E

Page Range: GAYLORD T -- GAYLORD TM

Add to Query	Cited Author
Add	GAYLORD T
Add	GAYLORD T G
Add	GAYLORD T GIBSON
Add	GAYLORD T K
Add	GAYLORD TD
Add	GAYLORD TG
Add	GAYLORD THOMAS K
Add	GAYLORD TK
Add	GAYLORD TM

Transfer your selected author(s) below to the Author field on the search page.

OK

GAYLORD T OR GAYLORD T K OR GAYLORD THOMAS K OR GAYLORD TK

Results Author=(GAYLORD T)
Timespan=All Years. Databases=SCI-EXPANDED, CPCI-S.
Lemmatization=Off

Results: 29

Page 1 of 3 Go

Refine Results

Search within results for

Web of Science Categories

- FISHERIES (17)
- MARINE FRESHWATER BIOLOGY (7)
- OPTICS (4)
- AGRICULTURE DAIRY ANIMAL SCIENCE (2)
- BIOCHEMISTRY MOLECULAR BIOLOGY (2)

Document Types

- ARTICLE (20)
- PROCEEDINGS PAPER (5)
- MEETING ABSTRACT (3)
- REVIEW (1)

Subject Areas

- Authors
- Group Authors

View **Distinct Author Sets** for **GAYLORD T**
The Distinct Author Set feature is a discovery tool showing sets of papers

- Save to: EndNote Web EndNote ResearcherID
- Title: **Three-beam interference lithography methodology**
Author(s): Stay J. L.; Burrow G. M.; **Gaylord T. K.**
Source: REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 82
Published: FEB 2011
Times Cited: 0 (from Web of Science)
Find It GT [View abstract]
 - Title: **Sensory Analysis of Rainbow Trout, *Oncorhynchus Hermetia illucens***
Author(s): Sealey Wendy M.; **Gaylord T.** Gibson; Barrows Fred
Source: JOURNAL OF THE WORLD AQUACULTURE SOCIETY
10.1111/j.1749-7345.2010.00441.x Published: FEB 2011
Times Cited: 0 (from Web of Science)
Find It GT [View abstract]
 - Title: **Effect of fasting on body composition and responses to stress in sunshine trout**
Author(s): Davis Kenneth B.; **Gaylord T.** Gibson
Source: COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY A-MOLECULAR & INTEGRATIVE PHYSIOLOGY Volume:

Author Search

- (Gaylord T) – actual number is "5" records but answer is "29"
- Gaylord with middle initial (T. K.) produces correct results (268 records)

All Databases Select a Database Web of Science Additional Resources
Search Author Finder Cited Reference Search Advanced Search Search History

Results Author=((Gaylord T K) or (Gaylord Thomas*) or (Gaylord TK))
Timespan=All Years. Databases=SCI-EXPANDED, CPCI-S.
Lemmatization=Off

Results: 268

Page 1 of 27 Go

Sort by: Publication Date -- newest

Refine Results

Search within results for

Web of Science Categories

- Save to: EndNote Web EndNote ResearcherID more options
- Title: **Technique and Apparatus for Accurate Cross-Sectional Stress Profiling of Optical Fibers**
Author(s): Hutsel Michael R.; Ingle R. Reeve; **Gaylord Thomas K.**
Source: IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT Volume: 60 Issue: 3 Pages: 971-976
10.1109/TIM.2010.2062690 Published: MAR 2011

Web of ScienceSM

“Advanced Search” Combine sets; remove self cites

Advanced Search

Use 2-character tags, Boolean operators, parentheses, and set references to create your query. Results appear in the Search History at the bottom of the page.

Example: TS=(nanotub* SAME carbon) NOT AU=Smalley RE
 #1 NOT #2 [more examples](#) | [view the tutorial](#)

Search Searches must be in English

Restrict results by any or all of the options below:

- All languages
 - English
 - Afrikaans
 - Arabic
- All document types
 - Article

Search History

Booleans: AND, OR, NOT, SAME, NEAR

Field Tags:

- TS= Topic
- TI= Title
- AU= Author
- RID= ResearcherID
- GP= Group Author
- ED= Editor
- SO= Publication Name
- DO= DOI
- PY= Year Published
- CF= Conference
- AD= Address
- OG= Organization
- SG= Suborganization
- SA= Street Address
- CI= City
- PS= Province/State
- CU= Country
- ZP= Zip/Postal Code
- FO= Funding Agency
- FG= Grant Number
- FT= Funding Text

Current Limits: (To s

Search History

Set	Results	
# 8	5,157	(#7) NOT (#5) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years Lemmatization=Off
# 7	5,344	Cited Author=((Gaylord T) OR (Gaylord TK) OR (Gaylord T K) OR (Gaylord Thomas*)) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years
# 6	5,312	Cited Author=((Gaylord TK) OR (Gaylord T K) OR (Gaylord Thomas*)) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years
# 5	271	((#1) OR (#3) OR (#4)) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years Lemmatization=Off
# 4	5	Address=(((GA) or (Georgia)) SAME tech*) AND Author=((Gaylord T)) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years Lemmatization=Off
# 3	6	Author=((Gaylord T)) Refined by: Web of Science Categories=(ENGINEERING ELECTRICAL ELECTRONIC OR PHYSICS APP INSTRUMENTATION OR OPTICS OR PHYSICS CONDENSED MATTER) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years Lemmatization=Off
# 2	29	Author=((Gaylord T)) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years Lemmatization=Off
# 1	268	Author=((Gaylord T K) or (Gaylord Thomas*) or (Gaylord TK)) Databases=SCI-EXPANDED, CPCI-S Timespan=All Years Lemmatization=Off

#7 not #5

Removed self-cites. For the “Cited Author” search – search by **“first author”** name (only secondary authors indexed by ISI are included)

The All Databases Citation Summary table displays a breakdown of all Times Cited counts across all products and editions in *Web of Knowledge*, including citation counts from product databases that are not in our GT subscription. **Only the 139 records "Times Cited: (from Web of Science) can be viewed.**

Search | Author Finder | Cited Reference Search | Advanced Search | Search History

Web of ScienceSM

<< Back to results list | Record 2 of 164 | Forward from Web of Science

Find It GT | (0) | Save to: EndNote Web | EndNote | ResearcherID | more options

Microfabricated microneedles for gene and drug delivery

Author(s): McAllister, DV (McAllister, DV); Allen, MG (Allen, MG); Prausnitz, MR

Source: ANNUAL REVIEW OF BIOMEDICAL ENGINEERING Volume: 2 Page 1-14
Published: 2000

Times Cited: 139 (from Web of Science)
Cited References: 66 [view related records] Citation Map

Abstract: By incorporating techniques adapted from the microelectronics industry, microfabricated microneedles have been used to deliver drugs into the skin, which is much more efficient than current microinjection techniques. Microfabricated microneedles have been used to deliver drugs into the skin, which is much more efficient than current microinjection techniques. Microfabricated neural probes have delivered drugs into the brain, recording neuronal activity, and microneedles have been inserted into arterial vessel walls to deliver anti-restenosis drugs. Finally, microhypodermic needles and microneedles for transdermal drug delivery have been developed to reduce needle insertion pain and tissue trauma and to provide controlled delivery across the skin. These needles have been shown to be robust enough to penetrate skin and dramatically increase skin permeability to macromolecules.

Document Type: Review
Language: English
Author Keywords: micromachining; MEMS; injections; needles; DNA
KeyWords Plus: SILICON; ARRAYS; ELECTRODE; CELLS; DEVICES; FUTURE
Reprint Address: McAllister, DV (reprint author), Georgia Inst Technol, Sch Chem Engr, Atlanta, GA 30332 USA
Addresses:
1. Georgia Inst Technol, Sch Chem Engr, Atlanta, GA 30332 USA
2. Georgia Inst Technol, Sch Elect & Comp Engr, Atlanta, GA 30332 USA
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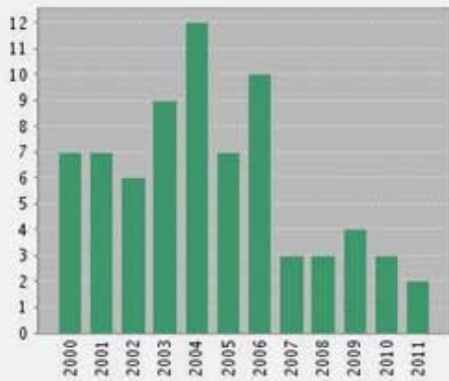
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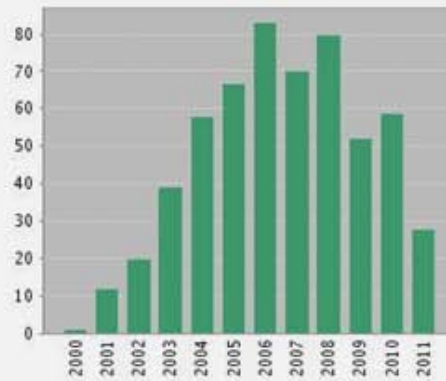
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Title: **Multidirectional UV lithography for complex 3-D MEMS structures**

Author(s): [Yoon_YK](#) (Yoon, Yong-Kyu), [Park_JH](#) (Park, Jung-Hwan), [Allen_MG](#) (Allen, Mark G.)

Source: JOURNAL OF MICROELECTROMECHANICAL SYSTEMS 15 (5): 1121-1130 OCT 2006