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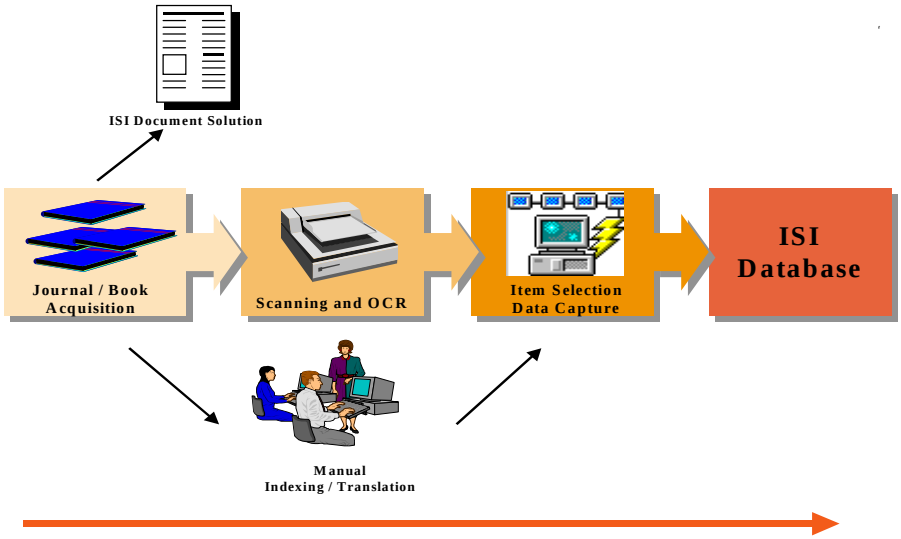

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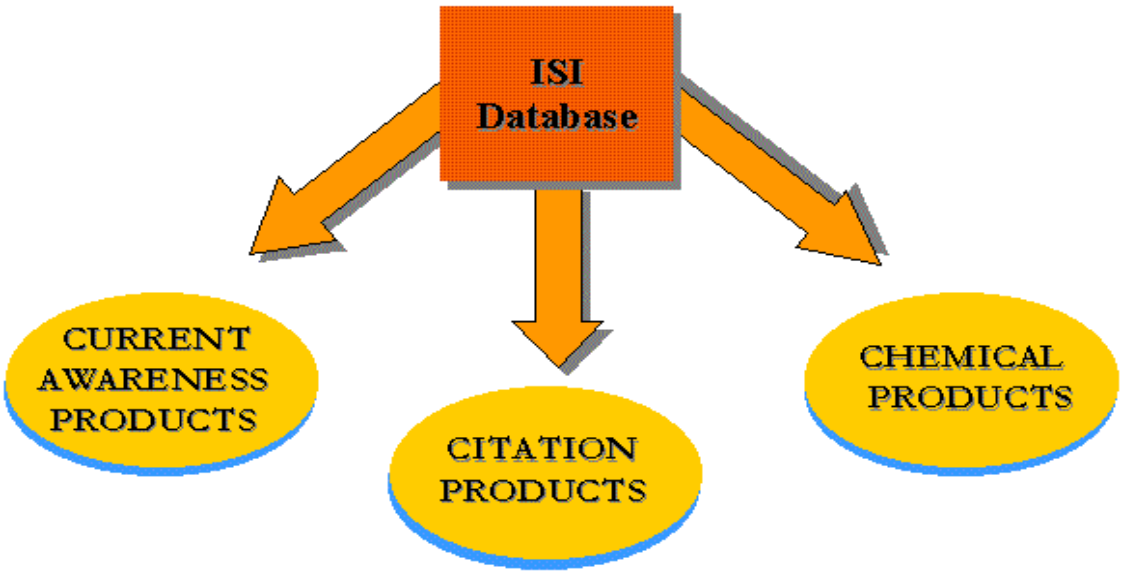

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Archaeomagnetic results from mural paintings and pyroclastic rocks in Pompeii and Herculaneum
Zanella E, Gurioli L, Chiari G, Ciarallo A, Cioni R, De Carolis E, Lanza R
PHYSICS OF THE EARTH AND PLANETARY INTERIORS
118 (3-4): 227-240 MAR 2000

Document type: Article **Language:** English **Cited References:** 31 **Times Cited:** 0

Abstract:
This work investigates the magnetic remanence associated with red pigments from murals at Pompeii and compares their directions to those of the pyroclastic rocks from the Vesuvius AD 79 eruption. The remanence of the murals is shown, using X-ray analyses, to be carried by haematite. Murals in Thermae Stabianae, known to have been painted a few years before AD 79, yield an archaeomagnetic direction (D = 1.2 degrees, I = 58.0 degrees; alpha(95) = 5.5 degrees) indistinguishable from that of a nearby kiln (D = 358.0 degrees, I = 59.1 degrees; alpha(95) = 1.7 degrees) (Evans and Mareschal, 1989) probably last used immediately prior to the eruption. The directions are also consistent with those of fine-grained pyroclastic rocks from the eruption (D = 351.2 degrees, I = 57.9 degrees; alpha(95) = 3.4 degrees) and lithic and tile fragments embedded within them (D = 358.5 degrees, I = 60.4 degrees; alpha(95) = 8.5 degrees). Other paintings of the 1st century AD yield similar directions, with a lower statistical definition. This study shows that murals can retain their remanent magnetization for centuries and demonstrates the viability in principle of pictorial remanence as an archaeomagnetic tool. (C) 2000 Elsevier Science B.V. All rights reserved.

Author Keywords:
archaeomagnetism, mural paintings, Pompeii, pyroclastics, Vesuvius

KeyWords Plus:
AD 79, EMPLACEMENT TEMPERATURES, SECULAR VARIATION, MAGNETIC-FIELD, VESUVIUS, ERUPTION, DEPOSITS

Addresses:
Zanella E, Univ Turin, Dipartimento Sci Terra, Via Valperga Caluso 35, I-10125 Turin, Italy
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Selective Coverage in Social Science Citation Index

Effect of the Hanshin-Awaji earthquake on posttraumatic stress, lifestyle changes, and cortisol levels of victims

Fukuda S, Morimoto K, Mure K, Maruyama S

ARCHIVES OF ENVIRONMENTAL HEALTH
55 (2): 121-125 MAR-APR 2000

Document type: Article **Language:** English **Cited References:** 39 **Times Cited:** 0

Abstract:
In 1995, the Hanshin-Awaji area in Japan was damaged severely by a major earthquake. In this study, the authors administered questionnaires and obtained blood samples to analyze the relationships among lifestyle, psychological stress, and plasma cortisol levels of victims. The authors questioned 107 male inhabitants of Awaji Island about their lifestyles before and after the earthquake, presence of any symptoms of posttraumatic stress disorder, and demographic variables. Plasma cortisol levels were determined with enzyme immunoassay. Cortisol level was correlated strongly with change in lifestyle. The highest cortisol levels were found in the group characterized by a high posttraumatic stress disorder score and by a very profound lifestyle change. This group also contained the highest percentage of subjects who had poor health. In summary, the psychological stress induced by the Hanshin-Awaji earthquake was associated with mean cortisol level; however, this relationship was affected by adjustment of lifestyle.

KeyWords Plus:
ACUTE MYOCARDIAL-INFARCTION, KILLER-CELL ACTIVITY, HEALTHY LIFE-STYLES, NATURAL DISASTER, BLOOD-PRESSURE, MENTAL-HEALTH, EXCRETION, DISORDERS, HORMONE, HABITS

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Proc. Natl. Acad. Sci. USA
Vol. 96, pp. 2042–2047, March 1999
Biophysics

Copper binding to the prion protein: Structural implications of four identical cooperative binding sites

(octarepeat peptides/nuclear magnetic resonance/circular dichroism/electron spin resonance)

JOHN H. VILES*, FRED E. COHEN†‡§¶, STANLEY B. PRUSINER¶‖, DAVID B. GOODIN*, PETER E. WRIGHT*,**††, AND H. JANE DYSON*††

Department of *Molecular Biology and **Skaggs Institute for Chemical Biology, Scripps Research Institute, La Jolla, CA 90237; and Departments of ‖Neurology, †Pharmaceutical Chemistry, ‡Cellular and Molecular Pharmacology, §Medicine, and ¶Biochemistry and Biophysics, University of California, San Francisco, CA 94143

Contributed by Stanley B. Prusiner, December 29, 1998

ABSTRACT **Evidence is growing to support a functional role for the prion protein (PrP) in copper metabolism. Copper ions appear to bind to the protein in a highly conserved octapeptide repeat region (sequence PHGGGWGQ) near the N terminus. To delineate the site and mode of binding of Cu(II) to the PrP, the copper-binding properties of peptides of varying lengths corresponding to 2-, 3-, and 4-octarepeat sequences have been probed by using various spectroscopic techniques. A two-octarepeat peptide binds a single Cu(II) ion with $K_d \approx 6$ μM whereas a four-octarepeat peptide cooperatively binds four Cu(II) ions. Circular dichroism spectra indicate a distinctive structuring of the octarepeat region on Cu(II) binding. Visible absorption, visible circular dichroism, and electron spin resonance spectra suggest that the coordination sphere of the copper is identical for 2, 3, or 4 octarepeats, consisting of a square-planar geometry with three nitrogen ligands and one oxygen ligand. Consistent with the pH dependence of Cu(II) binding, proton NMR spectroscopy indicates that the histidine residues in each octarepeat are coordinated to the Cu(II) ion. Our working model for the structure of the complex shows the histidine residues in successive octarepeats bridged between two copper ions, with both the Nε2 and Nδ1 imidazole nitrogen of each histidine residue coordinated and the remaining coordination sites occupied by a backbone amide nitrogen and a water molecule. This arrangement accounts for the cooperative nature of complex formation and for the apparent evolutionary requirement for four octarepeats in the PrP.**

Prion diseases are a novel class of neurodegenerative diseases, including scrapie in sheep, bovine spongiform encephalopathy in cattle, and Creutzfeldt-Jacob disease in humans (1). A new variant form of Creutzfeldt-Jacob disease has been reported that is thought to be caused by the ingestion of infected beef (2, 3). A variety of biochemical, biophysical, cell biologic, and transgenetic experiments have indicated that the critical pathogenic event in prion disease is the misfolding of a benign cellular prion protein (PrP^C) to form the infectious disease-causing isoform, the scrapie isoform of PrP (4–7).

Until recently, little has been known about the normal function of PrP^C in the brain. There is now a body of evidence to indicate a role for PrP^C in copper metabolism. Mice deficient in PrP^C showed a >10-fold reduction of copper in a microsomal fraction from brain relative to wild-type mice and a reduction in activity of Cu/Zn superoxide dismutase (8). It also has been shown that cerebellar cells from mice deficient in PrP^C are more sensitive to copper toxicity and oxidative stress (9).

Mature Syrian hamster PrP^C is a glycoprotein containing two N-linked carbohydrates and one disulfide bridge. Post-translational processing results in the cleavage of a 22-residue leader sequence and the C-terminal tail after the attachment of a glycosylphosphatidylinositol anchor to serine 231. The solution structures of the mouse prion protein fragment, PrP(121–231) (10, 11), and of Syrian hamster PrP(90–231) (12) have been reported. The sequence of PrP(90–231) corresponds to the protease-resistant core of the scrapie isoform of PrP (PrP27–30), which can mediate prion disease.

The secondary structure of the full length Syrian hamster PrP(29–231) has been determined, and the dynamic properties of the protein backbone have been measured (13). The secondary structural elements of the full length apo PrP(29–231) are identical to those of PrP(90–231). The N-terminal half of the apoprotein, residues 29–124, is unstructured, with considerable backbone flexibility (13). Residues 51–91 contain an unusual glycine-rich repeat every eight residues; this sequence is termed the octarepeat region. Residues 60–91 consist of four octarepeat sequences $(PHGGGWGQ)_4$, and residues 51–59 have a homologous sequence but lack the histidine residue

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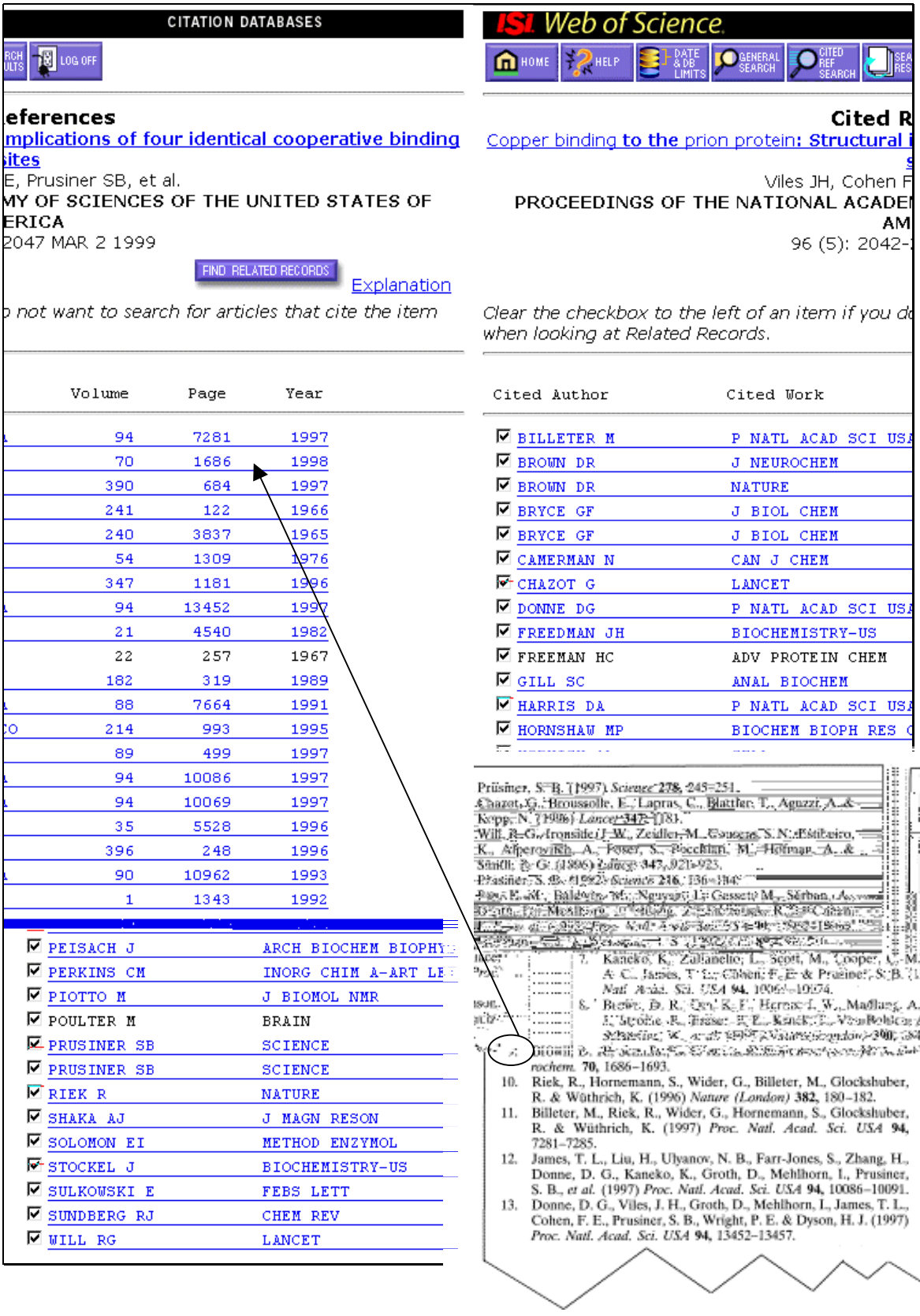

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J. Child Psychol. Psychiat. Vol. 39, No. 3, pp. 399–410, 1998
Cambridge University Press

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Drawing Impossible Entities: A Measure of the Imagination in Children with Autism, Children with Learning Disabilities, and Normal 4-year-olds

Hilary J. Leevers and Paul L. Harris
University of Oxford, U.K.

Contemporary findings suggest that the imagination of autistic children is not as limited as was once thought. In contrast, Scott and Baron-Cohen (1996) claim that children with autism are unable to draw pictures of impossible entities. An experiment showed that children with autism, children with moderate learning disabilities, and normal 4-year-olds were equally successful at identifying real and impossible pictures and at completing pictures to make them look either real or impossible. The previously reported inability to draw "impossible" pictures is unlikely to reflect an imaginative deficit and may instead result from a misunderstanding of the task or limitations in the executive abilities required to plan and draw an unusual picture for the first time.

Keywords: Autism, preschool children, creativity, drawing.

Abbreviations: MLD: moderate learning disability; TROG: Test for Reception of Grammar.

Introduction

Increasingly research has questioned the depth of autistic children's impairment in pretence and the imagination. Rather than lacking an ability to pretend, children with autism may be less motivated to engage in everyday pretence (Lewis & Boucher, 1988) or less able to generate pretend activities (Jarrold, Boucher, & Smith, 1996). Other evidence shows that autistic children can use counterfunctional objects as substitutes in instructed pretence (e.g. use a pencil to represent a toothbrush; Jarrold, Boucher, & Smith, 1994); they can envisage the consequences of pretend episodes (Kavanaugh & Harris, 1994); they respond appropriately to hypothetical statements such as "If Mummy hadn't made the cake, where would the chocolate be?" (Peterson & Bowler, 1996); and they can suggest alternative (counterfactual) antecedents and consequents in causal situations (e.g. suggesting that a story character could have prevented getting her socks muddy by wearing boots; Hadwin & Bruins, 1997). In order to consider these various non-existent or counterfactual possibilities children must be able to imagine alternatives to reality.

In contrast, a recent finding confirms and elaborates on the traditionally held view of limited imagination in children with autism. Scott and Baron-Cohen (1996) report that autistic children are unable to depict impossible entities, such as a two-headed man. Most prior

Requests for reprints to: Hilary J. Leevers, Center for Molecular & Behavioral Neuroscience, Aidekman Research Center, Rutgers University, 197 University Avenue, Newark, NJ 0710, U.S.A. (E-mail: leevers@axon.rutgers.edu).

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Charman, T., & Baron-Cohen, S. (1993). Drawing development in autism: The intellectual to visual realism shift. *British Journal of Developmental Psychology, 11,* 171–185.

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Eames, K., & Cox, M. V. (1994). Visual realism in the drawings of autistic, Down's syndrome and normal children. *British Journal of Developmental Psychology, 12,* 235–239.

Fein, D., Lucci, D., & Waterhouse, L. (1990). Brief report: Fragmented drawings in autistic children. *Journal of Autism and Developmental Disorders, 20,* 263–269.

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Leevers HJ, Harris PL

JOURNAL OF CHILD PSYCHOLOGY AND PSYCHIATRY AND ALLIED DISCIPLINES

39 (3): 399-410 MAR 1998

Document type: Article **Language:** English **Cited References:** 37 **Times Cited:** 6

Abstract:
Contemporary findings suggest that the imagination of autistic children is not as limited as was once thought. In contrast, Scott and Baron-Cohen (1996) claim that children with autism are unable to draw pictures of impossible entities. An experiment showed that children with autism, children with moderate learning disabilities, and normal 4-year-olds were equally successful at identifying real and impossible pictures and at completing pictures to make them look either real or impossible. The previously reported inability to draw "impossible" pictures is unlikely to reflect an imaginative deficit and may instead result from a misunderstanding of the task or limitations in the executive abilities required to plan and draw an unusual picture for the first time.

Author Keywords:
autism, preschool children, creativity, drawing

KeyWords Plus:
EXECUTIVE FUNCTION DEFICITS, GRAPHIC ABILITIES, VISUAL REALISM, PRETEND PLAY, MIND, PERSPECTIVE

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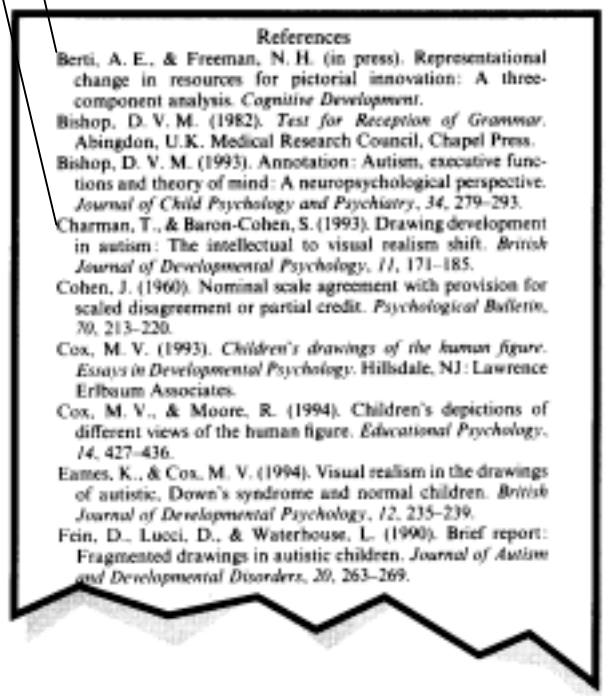

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KVASZ, L.: The Epistemological Aspects of Modern Painting
FILOZOFIA 55, 2000, No 8, p. 601

The aim of the paper is to analyse the geometrical aspects of a series of modern paintings and to show the parallel between them and the development of modern geometry. It starts with El Greco, offering a geometrical explanation of his painting the figures in a prolonged manner. Further the analogy between the impressionist way of creating space (in the works of Turner, Monet and Se cal idea of Cayley to use projective space as a basis for non- reconstructed. Next the paper describes the parallel betwee in the paintings of Cézanne and Picasso and the concept topology. In conclusion the paper deals with the analogy be stract paintings and the set-theoretical foundations of geomet

3. Cézanne a prechod ku konštitutívnej forme

Predkladaná stať nadväzuje na článok *Epistemologické aspekty* v ktorom sme sa pokúsili načrtnúť paralelu spájajúcu geometrické as liarstva od renesancie po baroko s dejinami geometrie od Desargua pc rom článku bola téza, že existuje paralela medzi formálnou štruktúr barokového maliarstva a štruktúrou obrázkov v textoch neeuklidovsk sa podarilo predĺžiť paralelu medzi geometriou a maliarstvom, ktorej v obmedzuje na obdobie renesancie, aj za hranice tejto epochy. Z teor bol rovnako dôležitý opis príkladu vetvenia formy jazyka, keď sme u spektivistickú formu existovali tri rôzne spôsoby nadviazania - deskri jektívna forma a anamorfická forma. To ukazuje, ako možno rekonštr disciplíny oslobodiť od tendencie linearizácie jej vývinu. V tejto stati na predošlé analýzy a predĺžiť výklad geometrických aspektov maliarst abstraktného umenia. Sledovať budeme líniu Turner, Monet, Seurat, Cézanne, Picasso, Kandinskij a pokúsime sa ukázať jej paralely v dejinách geometrie. Pritom obmedzenia, o ktorých sme hovorili v úvode predošlého článku, platia ešte vo väčšej miere pre náš pohľad do dejín moderného maliarstva. Keďže v modernom maliarstve hrá farebnosť, expresívnosť a gestickosť stále významnejšiu úlohu, ostáva stále menej obrazov, pri interpretácii ktorých je ústredným motívom ich geometrická štruktúra. Preto náš exkurz do dejín mo bude zau nia, pova článku. K sú dva, za

LITERATÚRA

[1] AGOSTON, M.: Algebraic Topology, a First Course. New York, Marcel Dekker 1976.
[2] BLATT, S. J.: Continuity and Change in Art.. New Jersey, Lawrence Erlbaum Associates Publishers 1984.
[3] BUGÁR, P. : Mandalické myslenie. In: Mojžiš, J. (ed.): Archetyp, mýtus, utópia. Bratislava, 1998, s. 114-143.
[4] CANTOR, G. (1883): Grundlagen einer allgemeinen Mannigfaltigkeitslehre. Leipzig, Teubner. Ruský preklad in: Georg Kantor, Trudy po teorii množestv. Moskva, Nauka 1985.
[5] KELEMEN, P.: El Greco revisited. New York, The Macmillan Company 1961.
[6] KVASZ, L.: Náčrt analytickej teórie subjektu. In: Filosofický časopis 1996/4, s. 617-640.
[7] KVASZ, L.: Dejiny náboženstva a matematika. In: Hieron II., 1997, s. 115-129.
[8] KVASZ, L.: Epistemologické aspekty dejín maliarstva. In: Filozofia 1998/10, s. 658-681.
[9] KVASZ, L.: Gramatika zmeny. Bratislava, Chronos 1999.
[10] LORAN, E. (1943): Cézanne's composition. Berkeley, University of California Press 1983.
[11] MERLEAU-PONTY, M: Oko a duch a jiné eseje. Praha, Obelisk 1971.
[12] WITTGENSTEIN, L. (1921): Tractatus Logico-philosophicus. Frankfurt am Main, Suhrkamp 1989.

Arts & Humanities Citation Index Record


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Article 1 of 6 NEXT SUMMARY S·F·X FIND RELATED RECORDS Explanation

Epistemological aspects of modern painting
Kvasz L
FILOZOFIA
55 (8): 601-619 2000

Document type: Article **Language:** Slovak Cited References: 21 **Times Cited:** 0

Abstract:
The aim of the paper is to analyse the geometrical aspects of a series of modern paintings and to show the parallel between them and the development of modern geometry. It starts with El Greco, offering a geometrical explanation of his painting the figures in a prolonged manner. Further the analogy between the impressionist way of creating space (in works of Turner, Monet and Seurat) and the geometrical idea of Cayley to use projective space as a basis for non-Euclidean geometry is reconstructed. Next the paper describes the parallel between the creation of space in the paintings of Cezanne and Picasso and the concept of space in algebraic topology. In conclusion, the paper deals with the analogy between Kandinski's abstract paintings and the set-theoretical foundations of geometry.

Addresses:
Kvasz L, Univ Bratislava, SK-84248 Bratislava, Slovakia
Univ Bratislava, SK-84248 Bratislava, Slovakia

Publisher:
FILOZOFIA, BRATISLAVA

IDS Number:
372PK

ISSN:
0046-385X

Cited References

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emological aspects of modern painting — Epist

Kvasz L
FILOZOFIA
55 (8): 601-619 2000

FIND RELATED RECORDS Explanation

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Cited Author	Cited Work	Volume	Page	Year
☑ AGOSTON M	ALGEBRAIC TOPOLOGY 1			
☑ BLATT SJ	CONTINUITY CHANGE AR			
☑ BUGAR P	ARCHETYP MYTUS UTOPI		114	
☑ CANTOR G	GRUNDLAGEN ALLGEMEIN			
☑ CEZANNE P	KRAJINA PRI LA ROCHE	ILL		
☑ CEZANNE P	KUCHYNSKY STOL	ILL		
☑ GRECO	JAN KRSTITEL	ILL		
☑ KANDINSKY W	OBRAZ S CERVENYM OBL	ILL		
☑ KANTOR G	T TEORII MNOZESTV			
☑ KELEMEN P	ELGRECO REVISITED			
☑ KVASZ L	FILOS CAS	4	617	1996
☑ KVASZ L	FILOZOFIA	10	658	1998
☑ KVASZ L	GRAMATIKA ZMENY			1999
☑ KVASZ L	HIERON	2	115	1997
☑ LORAN E	CEZANNES COMPOSITION			1983
☑ MERLEAUPONTY M	OKO DUCH JINE ESEJE			
☑ MONET C	KUPALISKO PRI LA GRE	ILL		1869
☑ PICASSO P	AKT	ILL		1910
☑ SEURAT G	NEDELNE POPLUDNIE NA	ILL		1885
☑ TURNER J	DAZD PARA RYCHLOST	ILL		1842
☑ WITTGENSTEIN L	TRACTATUS LOGICO-PHI			

A&HCI records have fewer cited works linked to source records in the database due to the nature of citation patterns in the literature of the arts and humanities. When an illustration is included in the text of an article, the volume field displays as **ILL**.

LITERATÚRA

[1] AGOSTON, M.: Algebraic Topology, a First Course. New York, Marcel Dekker 1976.
[2] BLATT, S. J.: Continuity and Change in Art.. New Jersey, Lawrence Erlbaum Associates Publishers 1984.
[3] BUGÁR, P. : Mandalické myslenie. In: Mojžiš, J. (ed.): Archetyp, mýtus, utópia. Bratislava, 1998, s. 114-143.
[4] CANTOR, G. (1883): Grundlagen einer allgemeinen Mannigfaltigkeitslehre. Leipzig, Teubner. Ruský preklad in: Georg Kantor, Trudy po teorii množestv. Moskva, Nauka 1985.
[5] KELEMEN, P.: El Greco revisited. New York, The Macmillan Company 1961.
[6] KVASZ, L.: Náčrt analytickej teórie subjektu. In: Filosofický časopis 1996/4, s. 617-640.
[7] KVASZ, L.: Dejiny náboženstva a matematika. In: Hieron II., 1997, s. 115-129.
[8] KVASZ, L.: Epistemologické aspekty dejín maliarstva. In: Filozofia 1998/10, s. 658-681.
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[10] LORAN, E. (1943): Cézanne's composition. Berkeley, University of California Press 1983.
[11] MERLEAU-PONTY, M: Oko a duch a jiné eseje. Praha, Obelisk 1971.
[12] WITTGENSTEIN, L. (1921): Tractatus Logico-philosophicus. Frankfurt am Main, Suhrkamp 1989.

Easy Search

Full Search	Search by bibliographic information (topic, author, source, address) or by cited reference.
Easy Search	Search for a limited number of articles on a specific topic, person, or address.
Logoff	Fully disconnect from the database and make your connection available to another user at your institution.

Notices

The Notices file was last updated 1/25/2001

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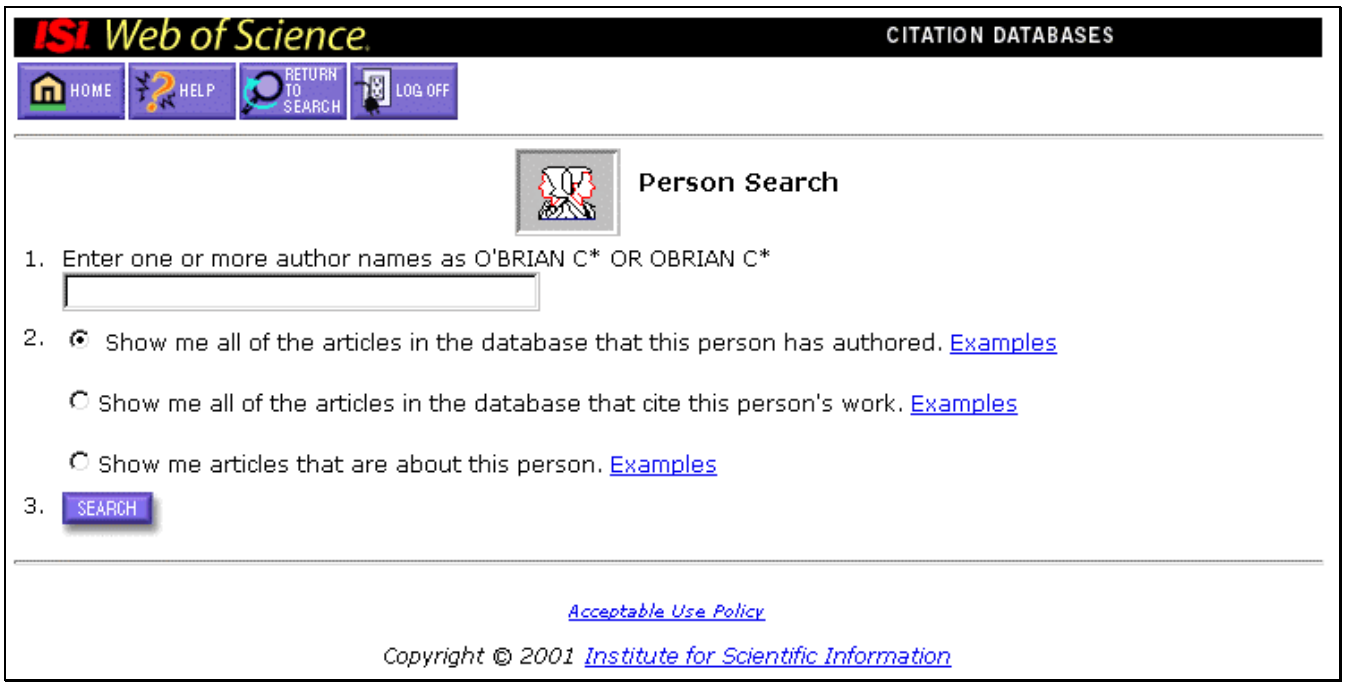
Easy Search provides simple interfaces for locating information on a specific topic, person or place. Your search will be limited to **100 records**.



Enter only the family name when searching for articles about a person, as names may appear in a record with the family name first or the family name last.

To switch from Easy Search to Full Search mode, click 

, then click 

.

[This page is intentionally blank.]

Full Search


ISI Web of Science
CITATION DATABASES
Full Search
Search by bibliographic information (topic, author, source, address) or by cited reference.
Easy Search
Search for a limited number of articles on a specific topic, person, or address.
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Notices
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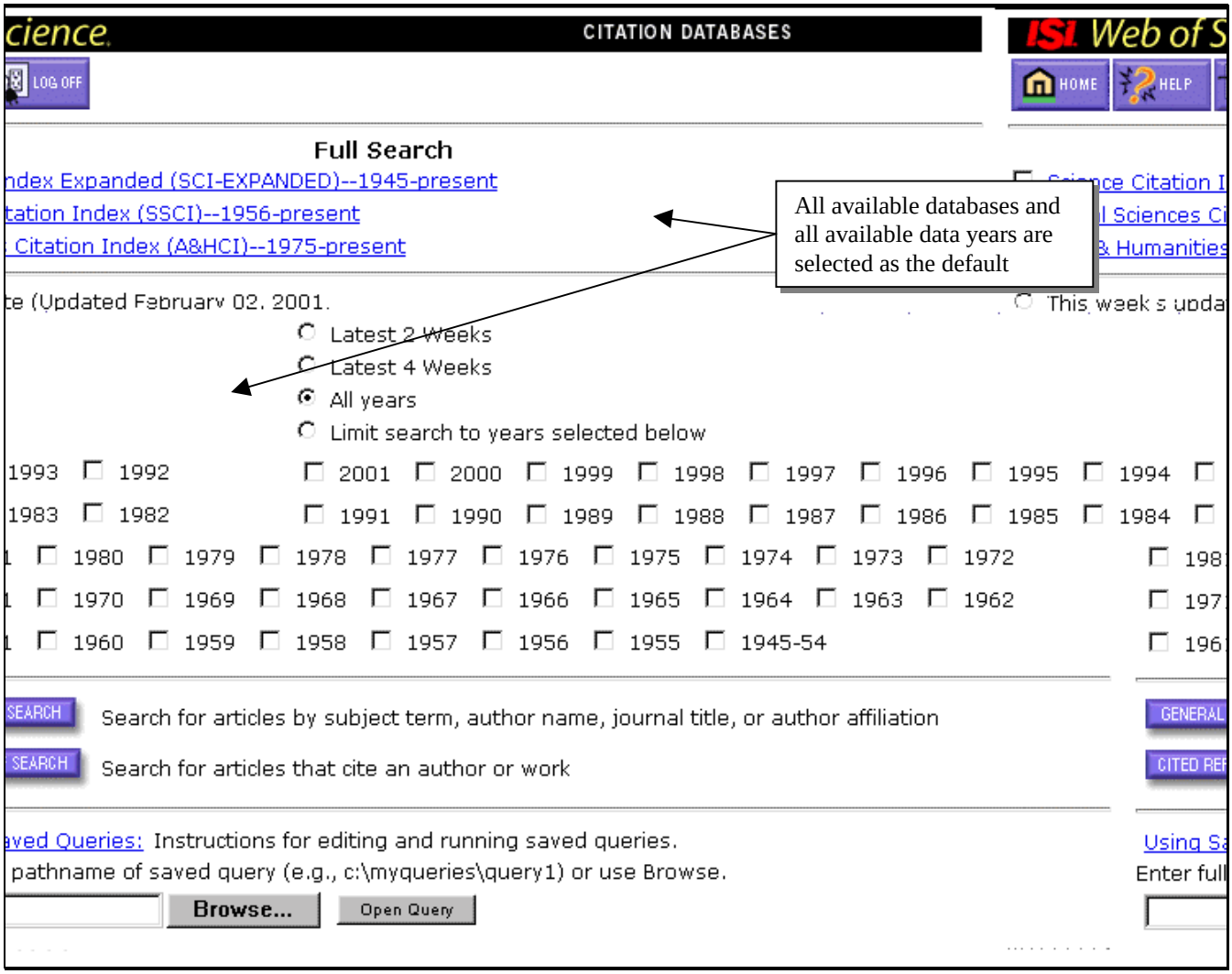
Database Selection

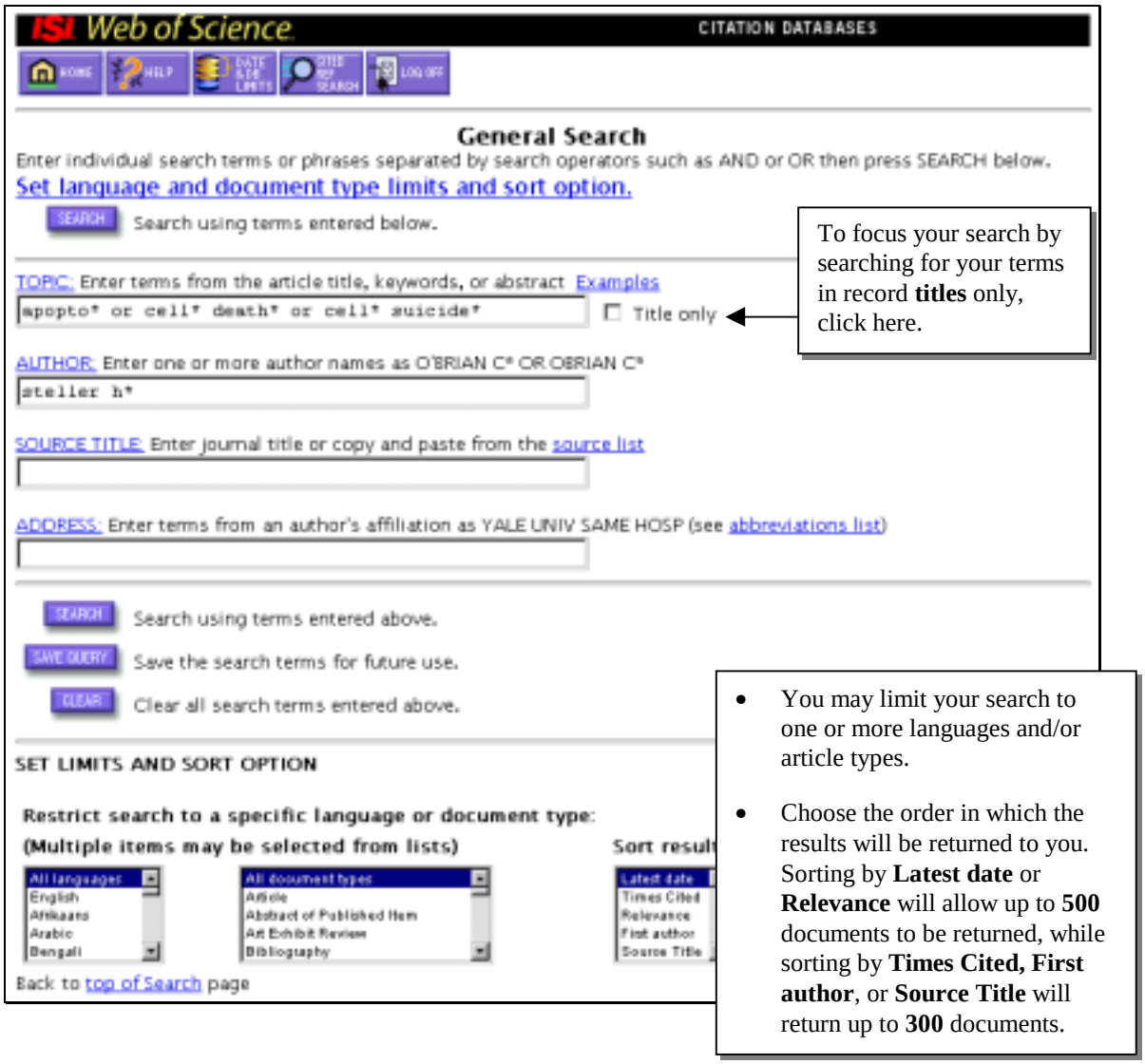


- The year selection refers to the ISI processing year—not necessarily the year of publication. A journal dated January, 2001 may have been processed in December of 2000. It is best to search a range of years for complete retrieval.

Topic Search

To search for information on a specific topic, enter keywords or phrases connected by the Boolean and positional operators **AND/OR/NOT/SAME**. For information on combining operators, and on using truncation and wildcards for maximum retrieval, see pages 33-34. In the example below, we are searching for papers on apoptosis that were authored by Hermann Steller.

```
TOPIC = apopto* or cell* death* or cell* suicide*
AUTHOR = steller h*
```

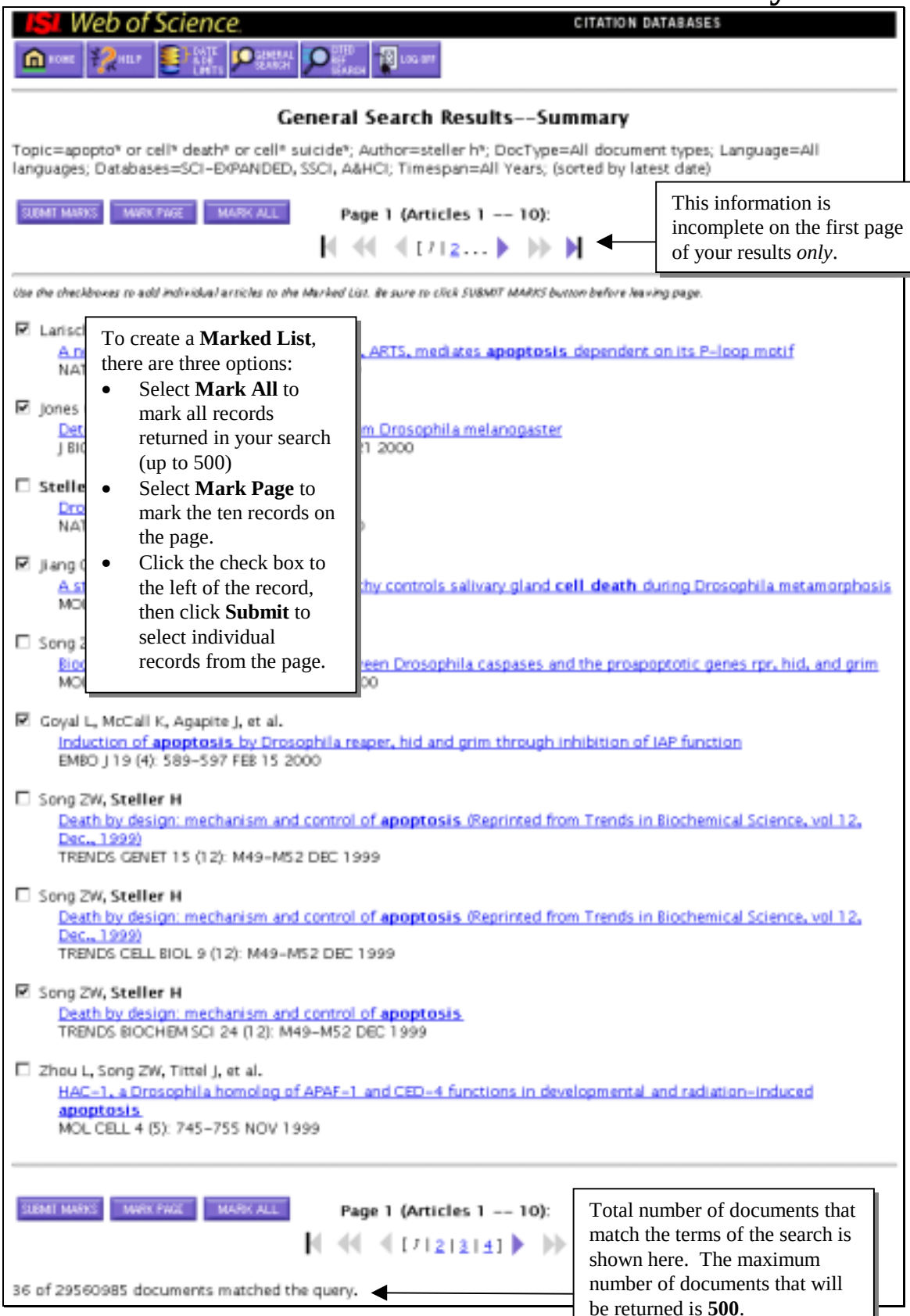


To focus your search by searching for your terms in record **titles** only, click here.

- You may limit your search to one or more languages and/or article types.
- Choose the order in which the results will be returned to you. Sorting by **Latest date** or **Relevance** will allow up to **500** documents to be returned, while sorting by **Times Cited, First author**, or **Source Title** will return up to **300** documents.

- **Topic** terms search the following fields: Title, Abstract, Author Keywords, and Keywords Plus.

General Search Results—Summary



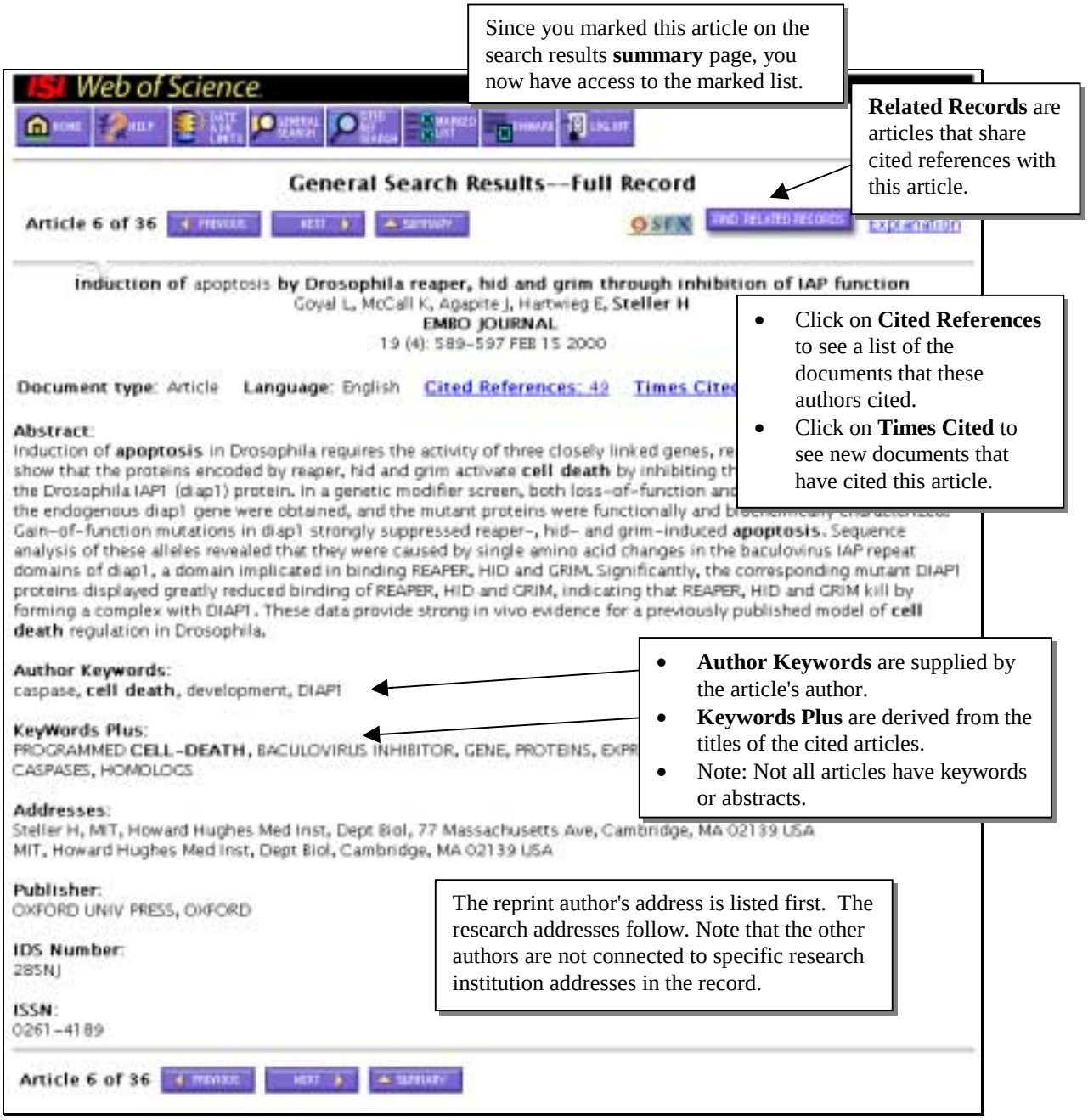
This information is incomplete on the first page of your results *only*.

To create a **Marked List**, there are three options:

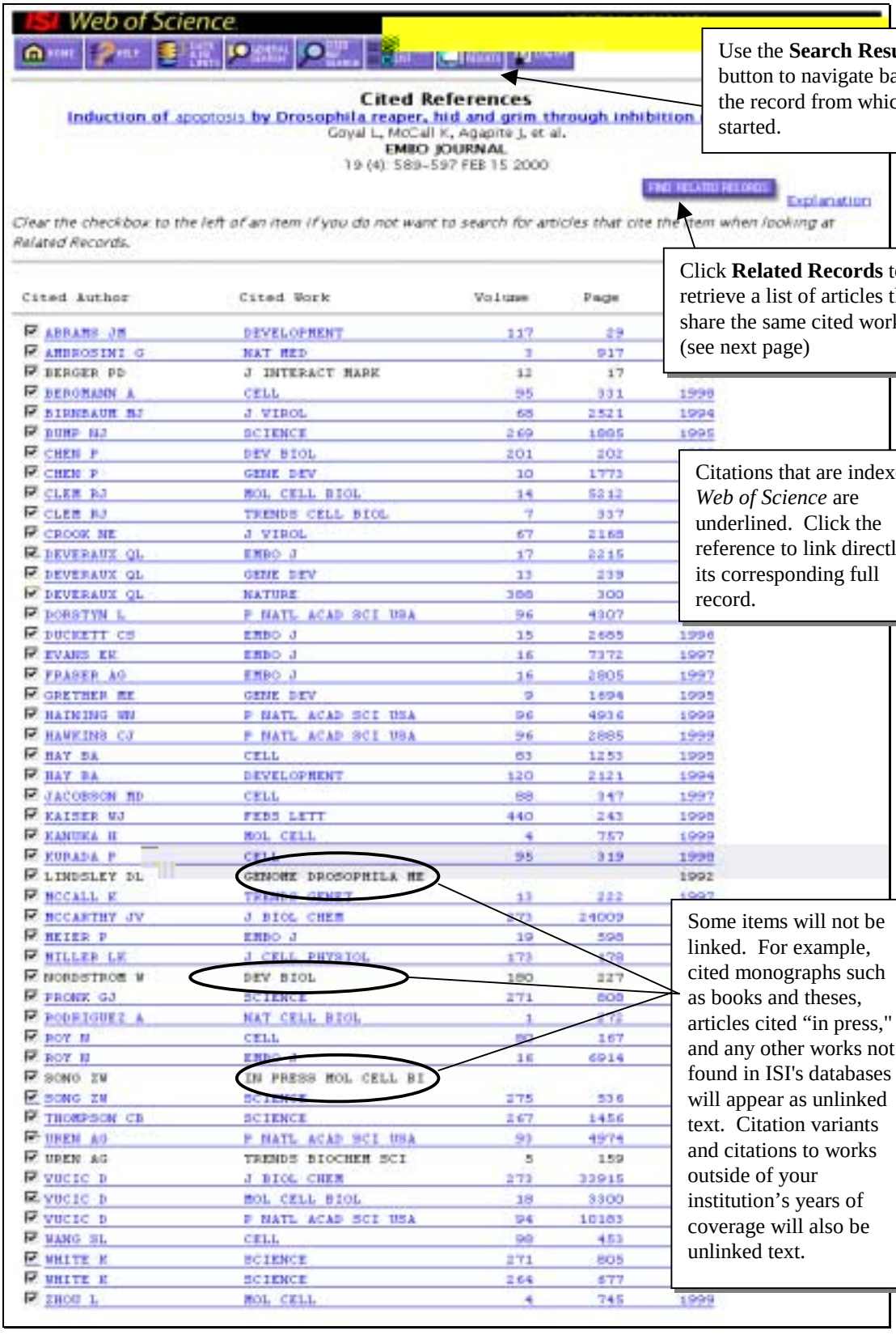
- Select **Mark All** to mark all records returned in your search (up to 500)
- Select **Mark Page** to mark the ten records on the page.
- Click the check box to the left of the record, then click **Submit** to select individual records from the page.

Total number of documents that match the terms of the search is shown here. The maximum number of documents that will be returned is **500**.

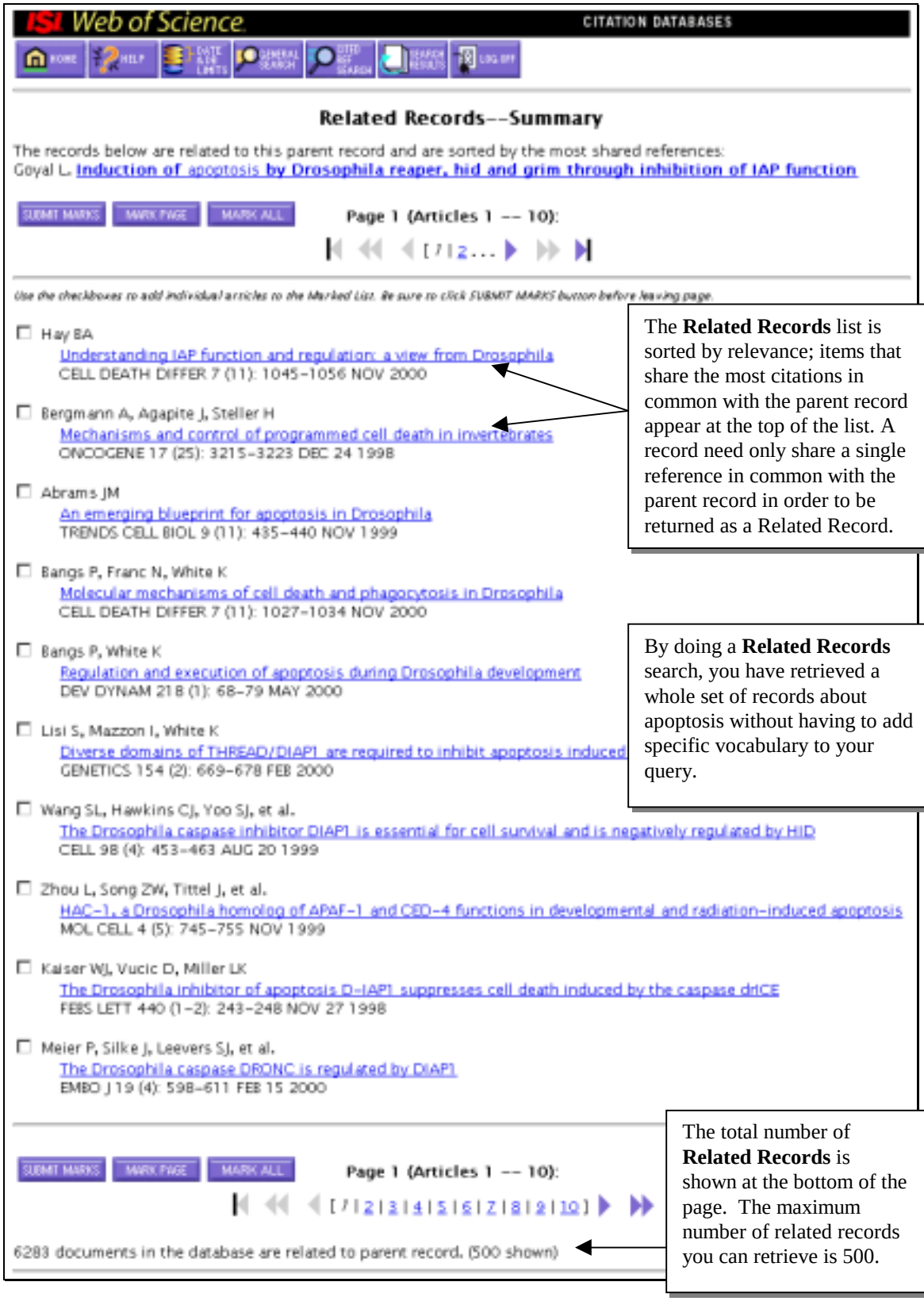
General Search Results—Full Record



Cited References



Related Records



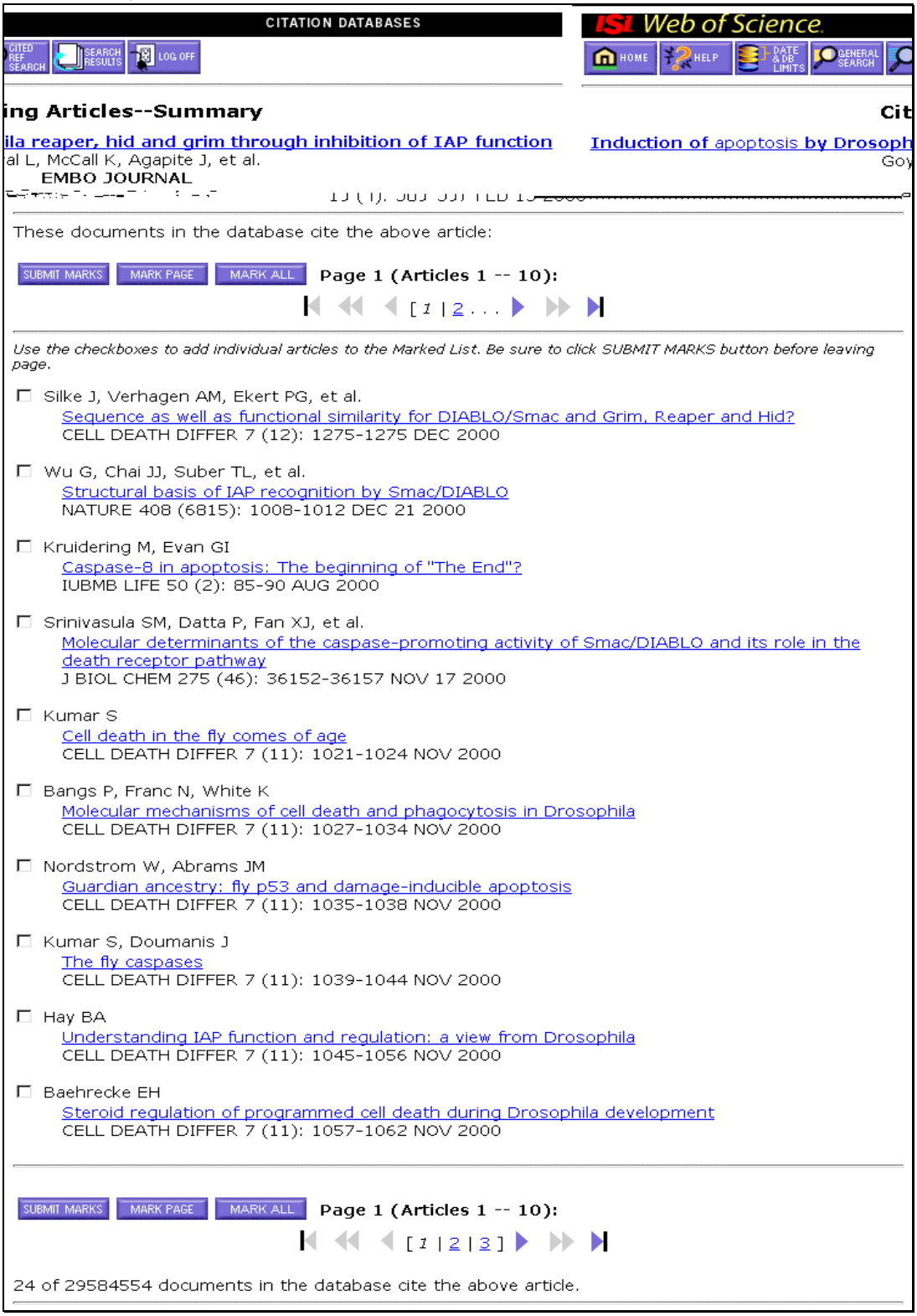
The **Related Records** list is sorted by relevance; items that share the most citations in common with the parent record appear at the top of the list. A record need only share a single reference in common with the parent record in order to be returned as a Related Record.

By doing a **Related Records** search, you have retrieved a whole set of records about apoptosis without having to add specific vocabulary to your query.

The total number of **Related Records** is shown at the bottom of the page. The maximum number of related records you can retrieve is 500.

Times Cited

Clicking the Times Cited link on a full record displays all the papers covered in the database that correctly cite the displayed record. The citing papers are from all databases and all data years available. As more records are added to the databases, the Times Cited count may increase. To pick up citation variations, use the **Cited Reference Search**.



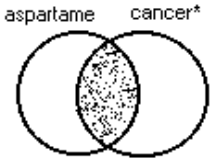
Truncation

Truncation can be used in a number of different ways. Truncate the end of a word in order to retrieve all mentions of the word (singular and plural). In cases of irregular plurals, or to retrieve all forms of a root word, use the * to retrieve more than one character. Use internal truncation or wildcard characters to retrieve alternate or British spellings of words.

? = one character only
*** = zero or more characters**

Right Side Truncation		**Internal Truncation (Wildcards)**	
Diseas*	Disease Diseases Diseased	Lap*roscop*	Laparoscopic Laproscopic Laparoscopy
Gene*	Gene Genes General Generation	Dosto?evsk*	Dostoyevsky Dostoievsky Dostoievski Dostoyevskii
Pharmac*	Pharmacy Pharmacology Pharmaceutics Pharmaceutical	Sul*ur	Sulfur Sulphur

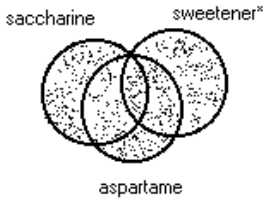
Boolean Operators



AND

All search terms must occur to be retrieved.

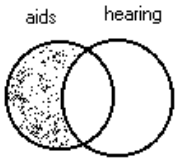
TOPIC: aspartame AND cancer*
Retrieves documents that contain both *aspartame* and *cancer**.



OR

Any one of the search terms must occur to be retrieved. Use when searching variants and synonyms.

TOPIC: aspartame OR saccharine OR sweetener*
Retrieves documents that contain at least one of the terms.



NOT

Excludes records that contain a given search term.

TOPIC: aids NOT hearing

Retrieves documents with *aids*, excluding any which also contain *hearing*.

Proximity Operators

Implied Adjacency

By default, searching a phrase retrieves records that contain the adjacent terms in the same order.

```
Topic:  biocontrol agent
```

Title:
RESIDUAL EFFICACY OF TYPHULA PHACORRHIZA AS A **BIOCONTROL AGENT** OF GREY SNOW MOLD ON CREEPING BENTGRASS

Same

Terms must occur within the same sentence (where "sentence" is understood to be a period-delimited string), in any order.

```
Topic:     (greenhouse or green house) same
            emission*
Address:   Texaco same Houston
```

Title:
GLOBAL **GREENHOUSE**-GAS-**EMISSIONS** INVENTORY METHOD

Address:
TEXACO INTL, SAFETY HLTH & ENVIRONM GRP, **HOUSTON**, TX USA.

Order of Precedence

( )
SAME
NOT
AND
OR

Use parentheses to override the order of precedence when using multiple Boolean and/or Proximity operators. Up to fifty Boolean operators can be used in a single search statement.

Examples:

TOPIC: meteorite AND (mars OR martian)

Retrieves documents that contain the word *meteorite* and either one (or both) of the terms in parentheses.

TOPIC: mammal* SAME (smell* OR odor* OR olfact*)

Retrieves documents that contain some variant of the word *mammal* in the same sentence as any of the terms in parentheses.

Combining Search Terms

Using synonyms for your search concepts is one way to insure that you retrieve as many results as possible. It may be useful to complete a search strategy worksheet (below) to help you combine your search terms. A blank worksheet can be found in Appendix B at the back of this booklet.

	(CONCEPT 1)		(CONCEPT 2)		(CONCEPT 3)
Synonyms		SAME (AND) NOT		SAME AND NOT	
	earthquake*		California*		
	OR temblor*		**OR** los angeles		
	OR seism*		**OR** (san andreas same fault)		

- Use parentheses to enclose the terms in each concept column. For example**:**

(earthquake* or temblor* or seism*) and (california* or los angeles* or (san andreas same fault))

Topic Search

Fields searched in the Topic Index:

	SCIE	SSCI	AHCI
Source title words	All Years	All Years	All Years
Author keywords	1991 →	1991 →	1991 →
KeyWords Plus	1991 →	1991 →	1991 →
Author abstracts	1991 →	1992 →	2000 →

- **Develop synonyms (natural language, acronyms, jargon); connect with OR operator.**
- **Treat all Topic Index searching as term-indexed.**
- **Apply the SAME operator to combine concepts and create relevance.**
- **Search variants of all terms.**

  TOPIC: (honey bee* or honeybee* or apis mellif*) same danc*

- **Truncate for plural and derivative forms.**

  TOPIC: enzym*
  Retrieves *enzyme,enzymes, enzymatic, enzymology*

- **Punctuation marks are searched as a space, but do display.**

  TOPIC: 2 4 dinitrotoluene is equivalent to TOPIC: 2,4-dinitrotoluene.

- **Truncate and use the SAME operator to search for phrases containing a possessive.**

  TOPIC: kaposi* same sarcom*
  Retrieves *Kaposi sarcoma, Kaposis-sarcoma, Kaposis sarcoma, Kaposi's sarcoma*

- **Search hyphenated words with a hyphen (or a space) and fused as one word, without a hyphen.**
  TOPIC: x-ray* or xray* *or* TOPIC: x ray* or xray*
  Retrieves *X-ray or X-rays or Xray or Xrays or X-rayed…*

- **Spell out Greek letters and other special characters.**

  To retrieve an article whose title appears as:
  Electroabsorption spectroscopy of β-carotene and α,ω-bis(1,1-dimethylheptyl)-1,3,5,7,9,11,13,15-hexadecaoctaene

  TOPIC: (beta carotene and alpha omega) ☒ Title only

- **Personal names may be inverted in all subject fields except abstracts. Use the SAME operator:**

  TOPIC: Churchill same (winston or w)

Editorial Rules—Titles

- **Non-English titles are translated into U.S. English, when no translation is provided by the journal.**

Pilot study on personality disorders evaluation. Categorical DSM-IV vs. dimensional five factor models
Garcia I, Tejedor G, Conesa D, Caro I
ACTAS ESPANOLAS DE PSIQUIATRIA
28 (2): 71-76 MAR-APR 2000

Document type: Article **Language:** Spanish Cited References: 20 **Times Cited:** 0

- **Titles of creative works remain in the language used in source.**

THE CRUX OF HEROISM - INTERPRETATION OF THE KNIGHTS-CROSS IN GRASS,GUNTER 'KATZ UND MAUS'
PLAGWITZ FF
SEMINAR-A JOURNAL OF GERMANIC STUDIES
32 (1): 1-14 FEB 1996

Document type: Article **Language:** German Cited References: 26 **Times Cited:** 0

- **Title enhancements are indicated by a plus sign or by parenthesis. (Arts & Humanities Search only).**

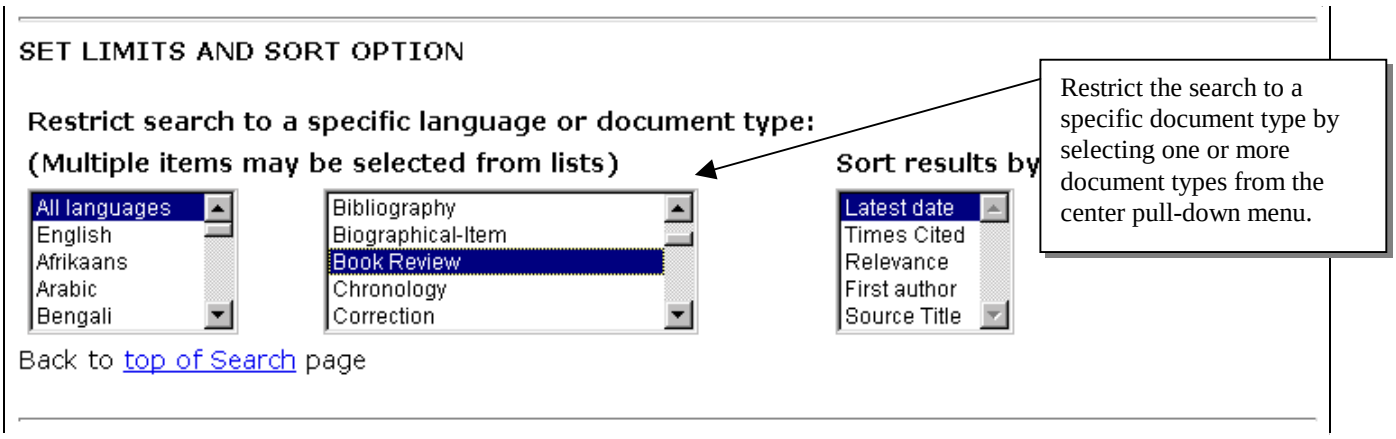
Restitution: A burden of proof (A Picasso at the Museum of Modern Art may have been looted)
Eakin H
ARTNEWS
99 (6): 60-60 JUN 2000

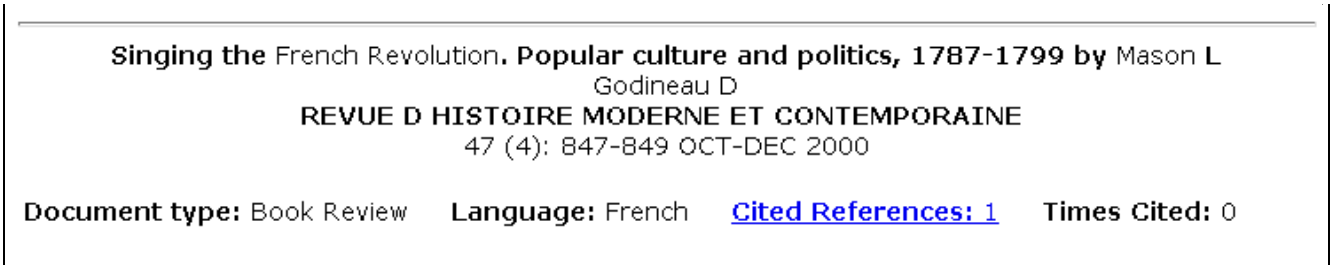
Document type: Article **Language:** English Cited References: 1 **Times Cited:** 0

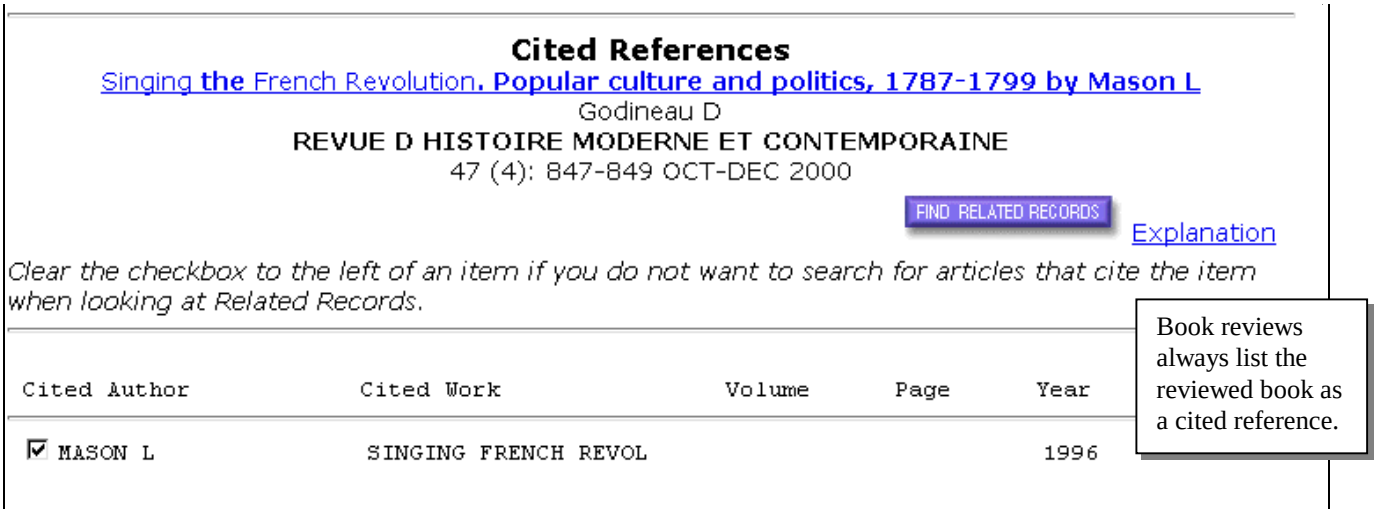
Book Review Search

- **The names of all authors, editors, translators and commentators are included in the TITLE field.**

  TOPIC: mason and french revolution
  Restrict search to a specific language or document type: **All Languages**, **Book Review**







- **Before 1997, if the original language of the book is not English, the language is given in the TITLE field.**

Searching By Source Author

ISI captures ALL authors. All authors can be searched, displayed, printed, and/or exported.

- **Enter the surname, followed by a space and up to 5 initials.**

Source Document	ISI Database	Search by:	
Alan Boyd C.D.E. Smith	Smith ABCDE	AUTHOR:	smith abcde
		AUTHOR:	smith a*

- **Search for variations on names where the family name may not be the last name.**

Source Document	ISI Database	Search by:	
Shi-Wa Yen	Yen SW Shi WY	AUTHOR:	yen sw or shi wy
Uzonyi Kiss Sandor	Uzonyi KS Sandor UK Kiss SU	AUTHOR:	uzonyi ks or sandor uk or kiss su

- **Compound names are fused prior to 1997. Search them in fused and compound forms for complete retrieval.**

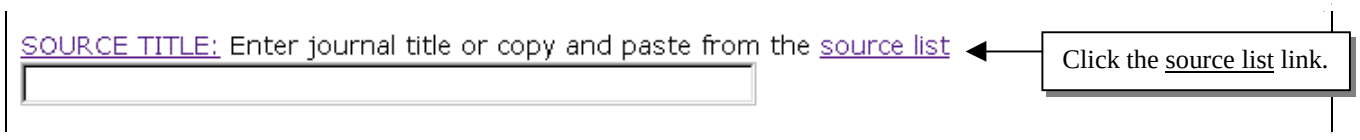
Source Document	ISI Database	Search by:	
D. Lagadic-Gossmann	Lagadic Gossmann D LagadicGossmann D	AUTHOR:	lagadic gossmann d* or lagadicgossmann d*
Geraldo Felipe de la Fuente	de la Fuente GF delaFuente GF	AUTHOR:	de la fuente g* or delafuente g*
J. O'Brien	O Brien J OBrien J	AUTHOR:	o brien j* or obrien j*

- **Titles of rank, generational designations, such as Junior or Senior, and academic degrees are dropped.**

Source Document	ISI Database	Search by:	
Lord Duvall Edwards	Edwards D	AUTHOR:	edwards d*
W. Brumfitt, Jr.	Brumfitt W	AUTHOR:	brumfitt w*

Searching By Source Title (Journal Name)

- **The SOURCE TITLE field is phrase-indexed. Select title(s) from the Full Journal source list Cut and paste the title from the list, enter the title in full, or enter the first few words of the title and truncate from the right.**



SOURCE TITLE: *biochemical and biophys**

Retrieves:
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS
Does not retrieve:
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Retrieves only:
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Retrieves:
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Retrieves:
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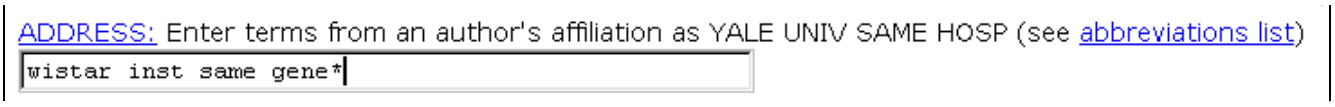

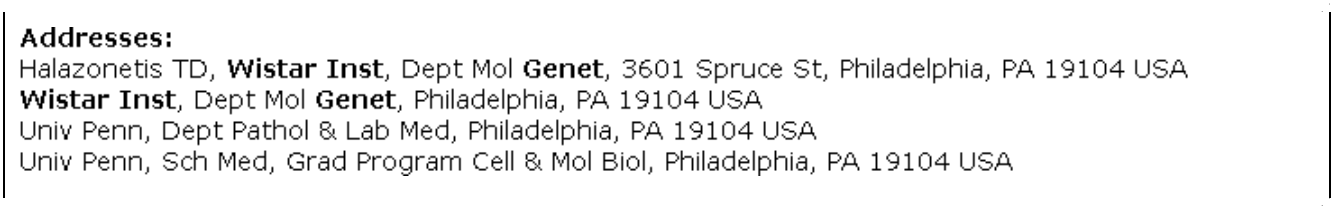

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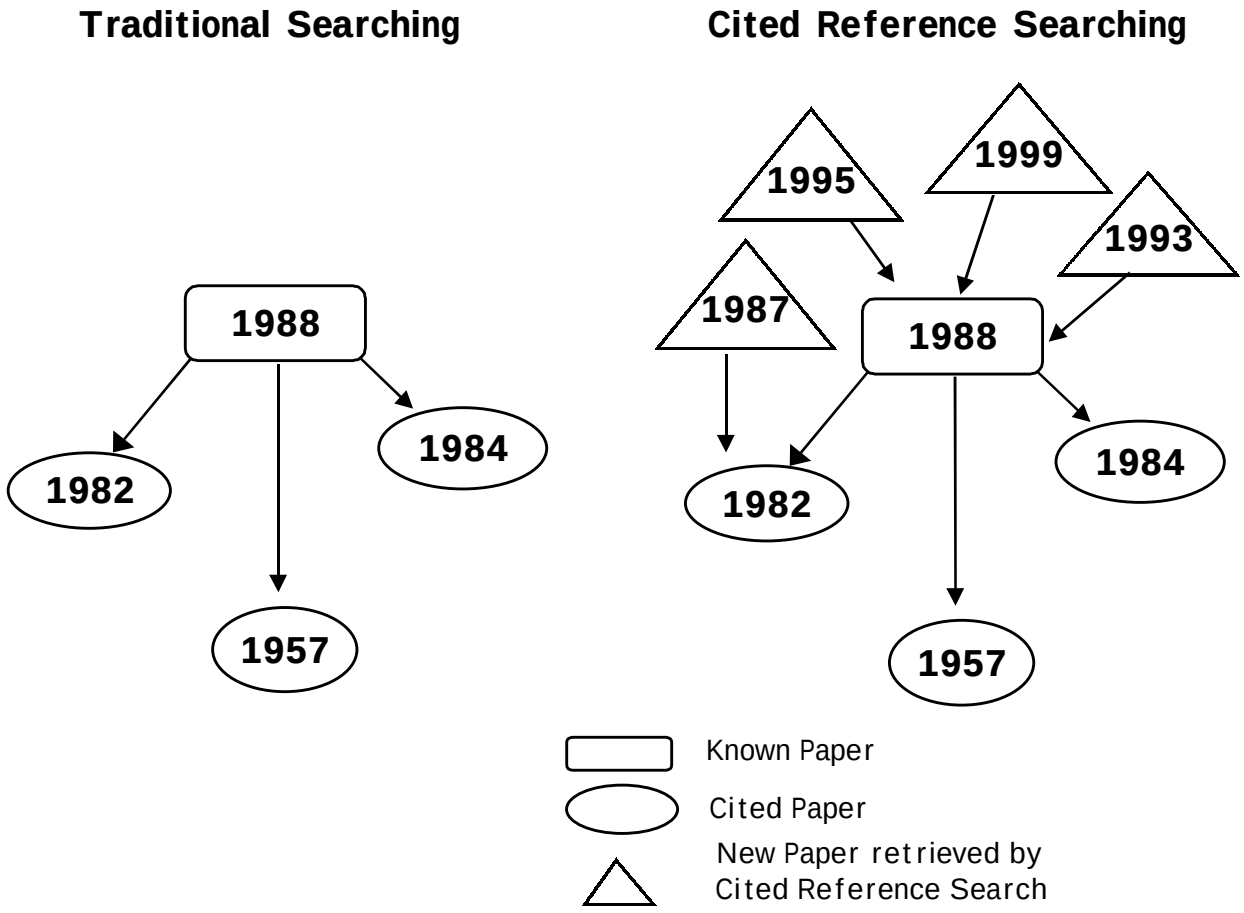
Cited Reference Search

Cited Reference Searching



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Proc. Natl. Acad. Sci. USA
Vol. 96, pp. 2042–2047, March 1999
Biophysics

Copper binding to the prion protein: Structural implications of four identical cooperative binding sites

(octarepeat peptides/nuclear magnetic resonance/circular dichroism/electron spin resonance)

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Department of *Molecular Biology and **Skaggs Institute for Chemical Biology, Scripps Research Institute, La Jolla, CA 90237; and Departments of ‖Neurology, †Pharmaceutical Chemistry, ‡Cellular and Molecular Pharmacology, §Medicine, and ¶Biochemistry and Biophysics, University of California, San Francisco, CA 94143

Contributed by Stanley B. Prusiner, December 29, 1998

ABSTRACT **Evidence is growing to support a functional role for the prion protein (PrP) in copper metabolism. Copper ions appear to bind to the protein in a highly conserved octapeptide repeat region (sequence PHGGGWGQ) near the N terminus. To delineate the site and mode of binding of Cu(II) to the PrP, the copper-binding properties of peptides of varying lengths corresponding to 2-, 3-, and 4-octarepeat sequences have been probed by using various spectroscopic techniques. A two-octarepeat peptide binds a single Cu(II) ion with $K_d \approx 6$ μM whereas a four-octarepeat peptide cooperatively binds four Cu(II) ions. Circular dichroism spectra indicate a distinctive structuring of the octarepeat region on Cu(II) binding. Visible absorption, visible circular dichroism, and electron spin resonance spectra suggest that the coordination sphere of the copper is identical for 2, 3, or 4 octarepeats, consisting of a square-planar geometry with three nitrogen ligands and one oxygen ligand. Consistent with the pH dependence of Cu(II) binding, proton NMR spectroscopy indicates that the histidine residues in each octarepeat are coordinated to the Cu(II) ion. Our working model for the structure of the complex shows the histidine residues in successive octarepeats bridged between two copper ions, with both the Nε2 and Nδ1 imidazole nitrogen of each histidine residue coordinated and the remaining coordination sites occupied by a backbone amide nitrogen and a water molecule. This arrangement accounts for the cooperative nature of complex formation and for the apparent evolutionary requirement for four octarepeats in the PrP.**

Prion diseases are a novel class of neurodegenerative diseases, including scrapie in sheep, bovine spongiform encephalopathy in cattle, and Creutzfeldt-Jacob disease in humans (1). A new variant form of Creutzfeldt-Jacob disease has been reported that is thought to be caused by the ingestion of infected beef (2, 3). A variety of biochemical, biophysical, cell biologic, and transgenetic experiments have indicated that the critical pathogenic event in prion disease is the misfolding of a benign cellular prion protein (PrP^C) to form the infectious disease-causing isoform, the scrapie isoform of PrP (4–7).

Until recently, little has been known about the normal function of PrP^C in the brain. There is now a body of evidence to indicate a role for PrP^C in copper metabolism. Mice deficient in PrP^C showed a >10-fold reduction of copper in a microsomal fraction from brain relative to wild-type mice and a reduction in activity of Cu/Zn superoxide dismutase (8). It also has been shown that cerebellar cells from mice deficient in PrP^C are more sensitive to copper toxicity and oxidative stress (9).

Mature Syrian hamster PrP^C is a glycoprotein containing two N-linked carbohydrates and one disulfide bridge. Post-translational processing results in the cleavage of a 22-residue leader sequence and the C-terminal tail after the attachment of a glycosylphosphatidylinositol anchor to serine 231. The solution structures of the mouse prion protein fragment, PrP(121–231) (10, 11), and of Syrian hamster PrP(90–231) (12) have been reported. The sequence of PrP(90–231) corresponds to the protease-resistant core of the scrapie isoform of PrP (PrP27–30), which can mediate prion disease.

The secondary structure of the full length Syrian hamster PrP(29–231) has been determined, and the dynamic properties of the protein backbone have been measured (13). The secondary structural elements of the full length apo PrP(29–231) are identical to those of PrP(90–231). The N-terminal half of the apoprotein, residues 29–124, is unstructured, with considerable backbone flexibility (13). Residues 51–91 contain an unusual glycine-rich repeat every eight residues; this sequence is termed the octarepeat region. Residues 60–91 consist of four octarepeat sequences $(PHGGGWGQ)_4$, and residues 51–59 have a homologous sequence but lack the histidine residue

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13. Donne, D. G., Viles, J. H., Groth, D., Mehlhorn, I., James, T. L., Cohen, F. E., Prusiner, S. B., Wright, P. E. & Dyson, H. J. (1997) *Proc. Natl. Acad. Sci. USA* **94,** 13452–13457.

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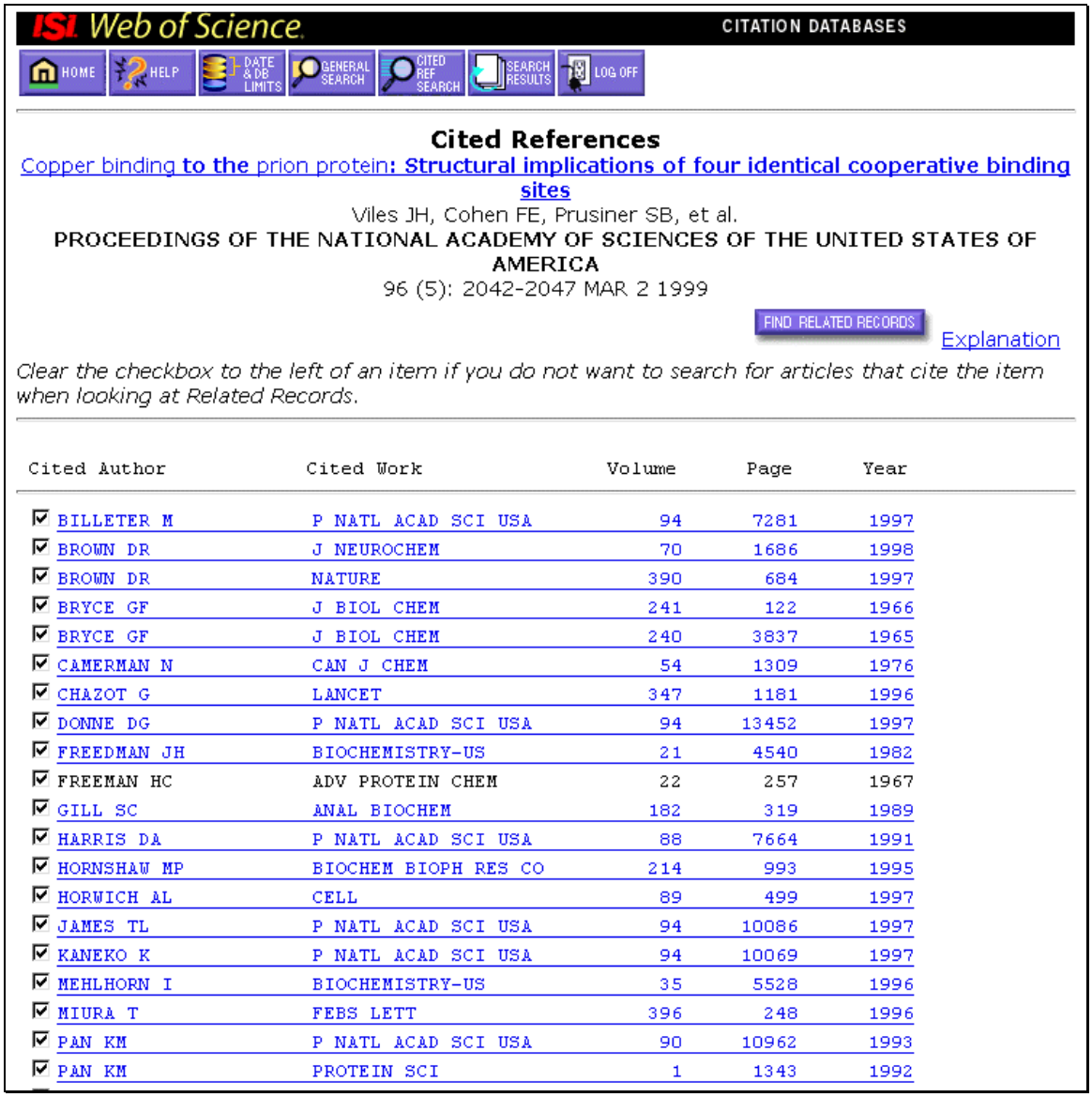

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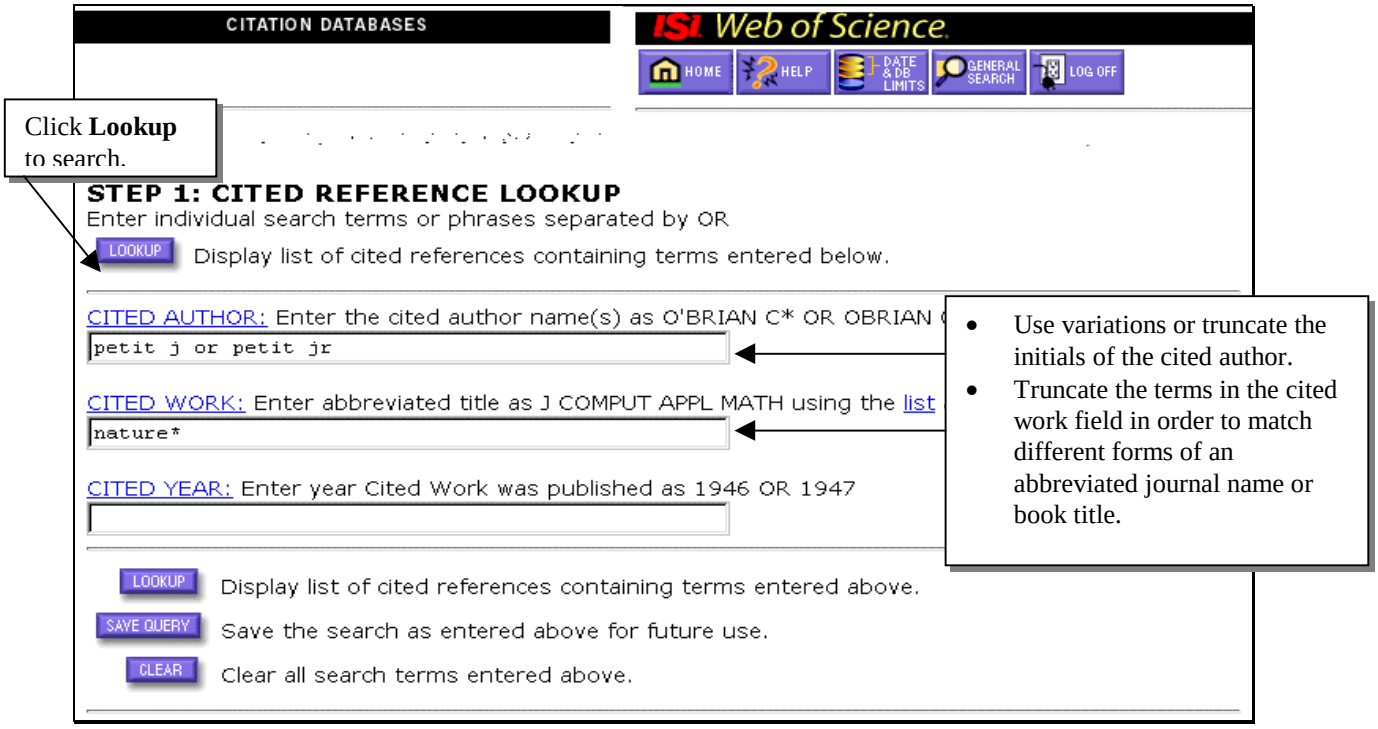
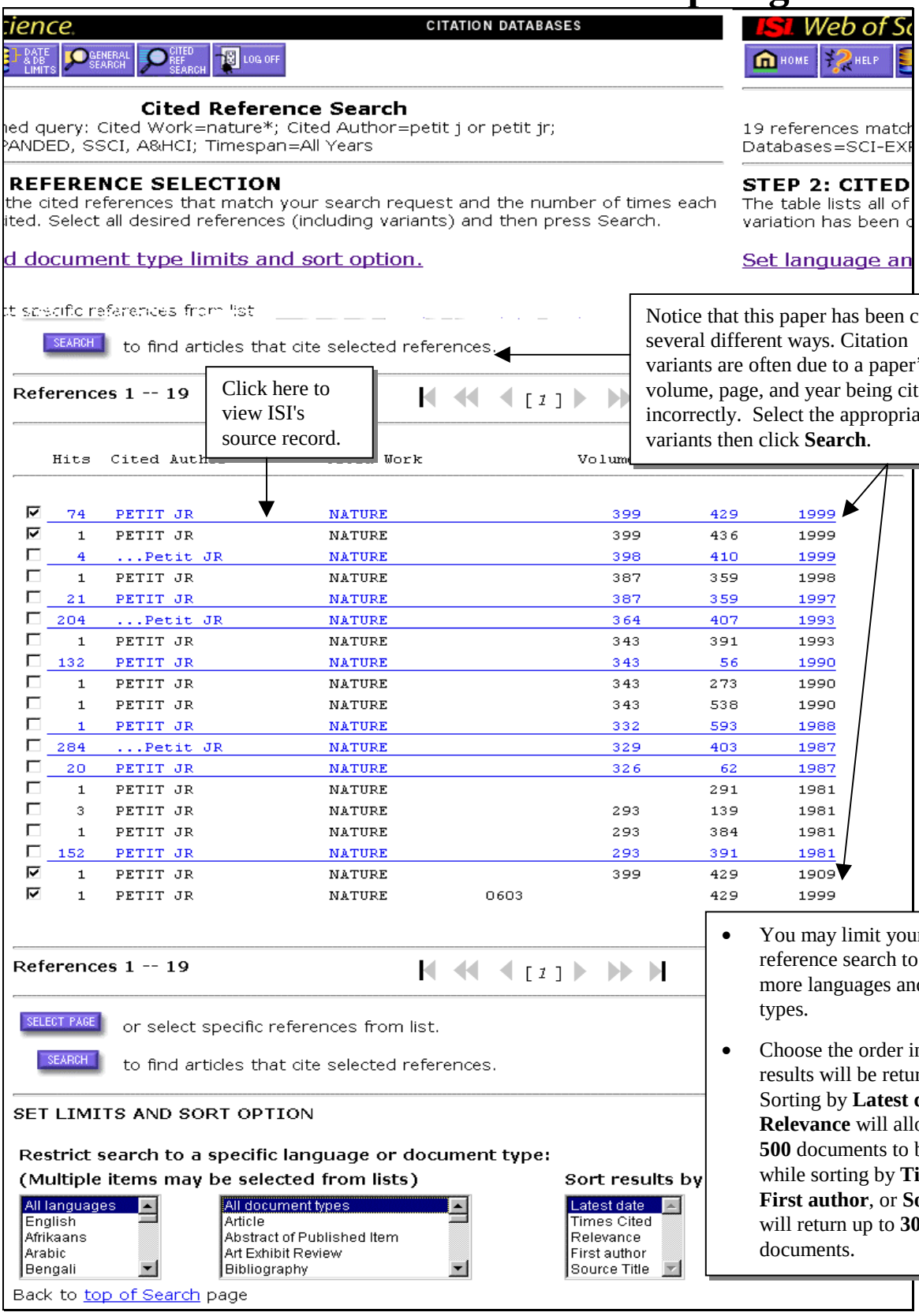


Cited Reference Search—Lookup Page



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As these papers cite Petit's paper, they are about the same subject even though they may not use the same terminology. It is possible that you would have missed these papers in a traditional subject search due to inconsistent terminology.

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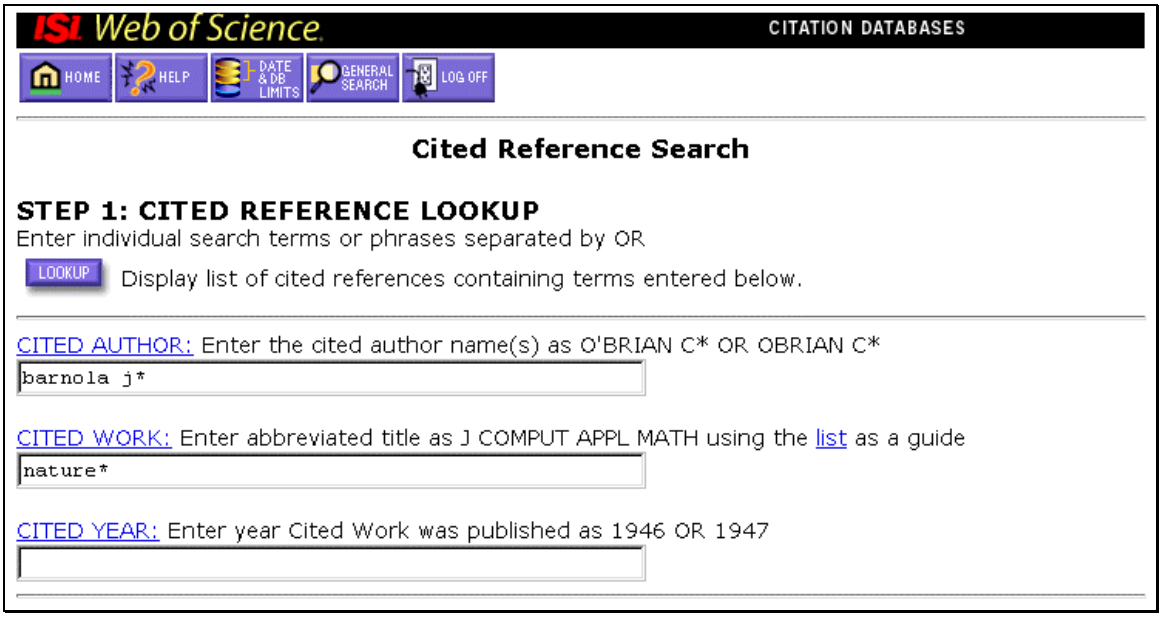
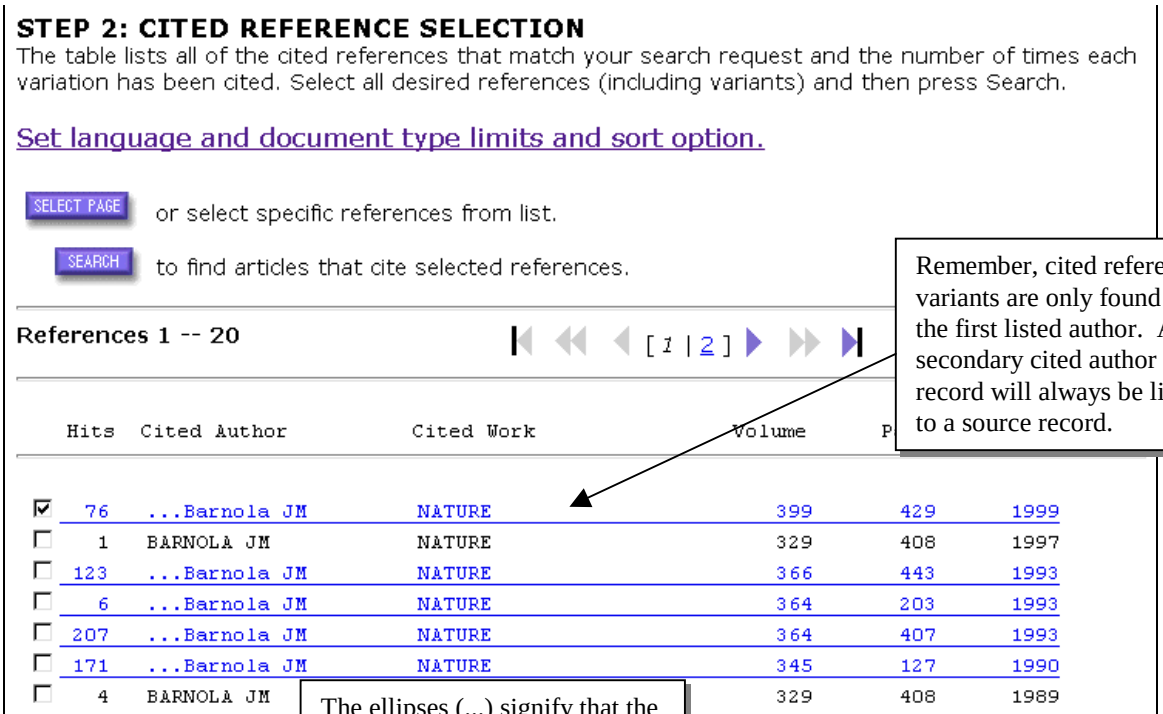
Secondary cited authors are searchable when a cited journal also exists as a source record in the database(s) in your subscription. For example, you can look up the references to the article by J.R. Petit, J. Jouzel, D. Raynaud, N.I. Barkov, J.M. Barnola, et al. by entering *jouzel j** or *raynaud d** or *barkov n** or *barnola j** as the cited author.





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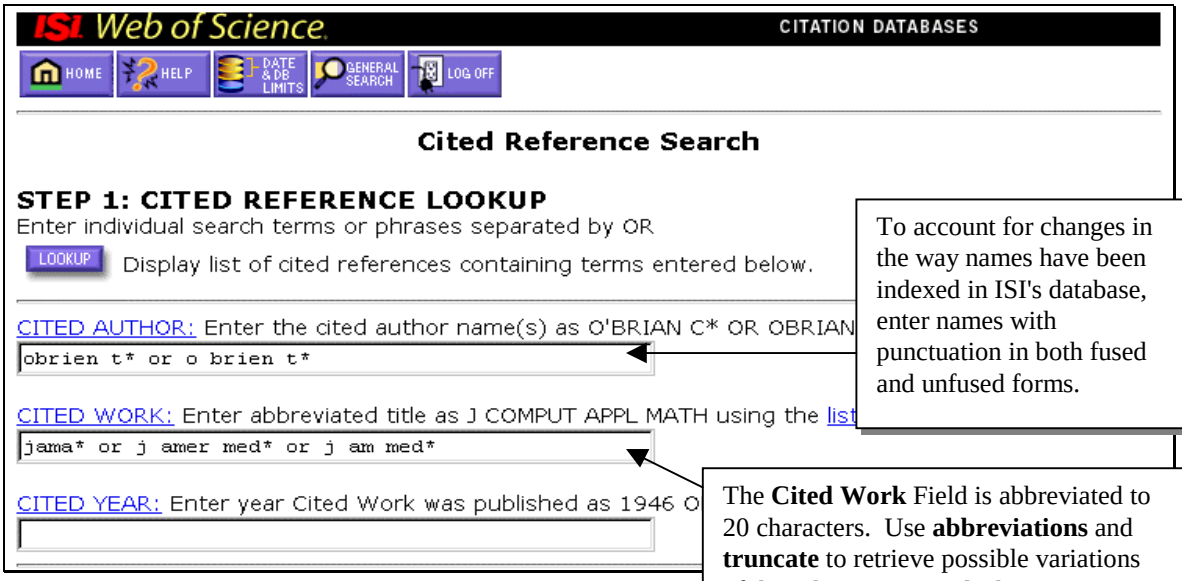

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The ellipses (…) show that O'Brien is a secondary cited author.

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CITED AUTHOR: Enter the cited author name(s) as O'BRIAN C* OR OBRIAN C*

nattiez *

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☑	1	NATTIEZ JJ	INT REV AESTHETICS M	5	62	1974
☑	1	NATTIEZ JJ	INT REV AESTHETICS M	4	54	1973
☑	1	NATTIEZ JJ	INT REV AESTHETICS S	6	94	1975
☑	1	NATTIEZ JJ	INT REV AESTHETICS S	7	73	1974
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☑	1	NATTIEZ JJ	IRASM	6	61	1975
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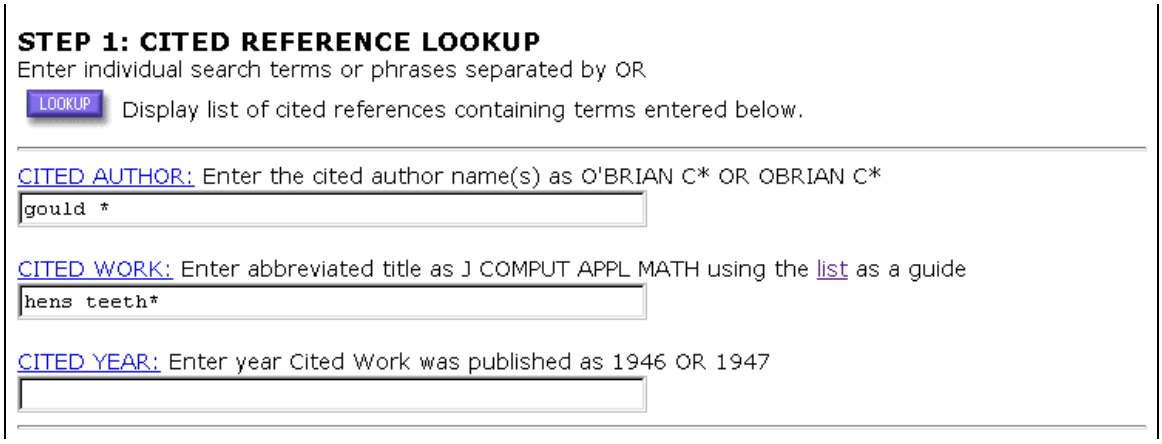

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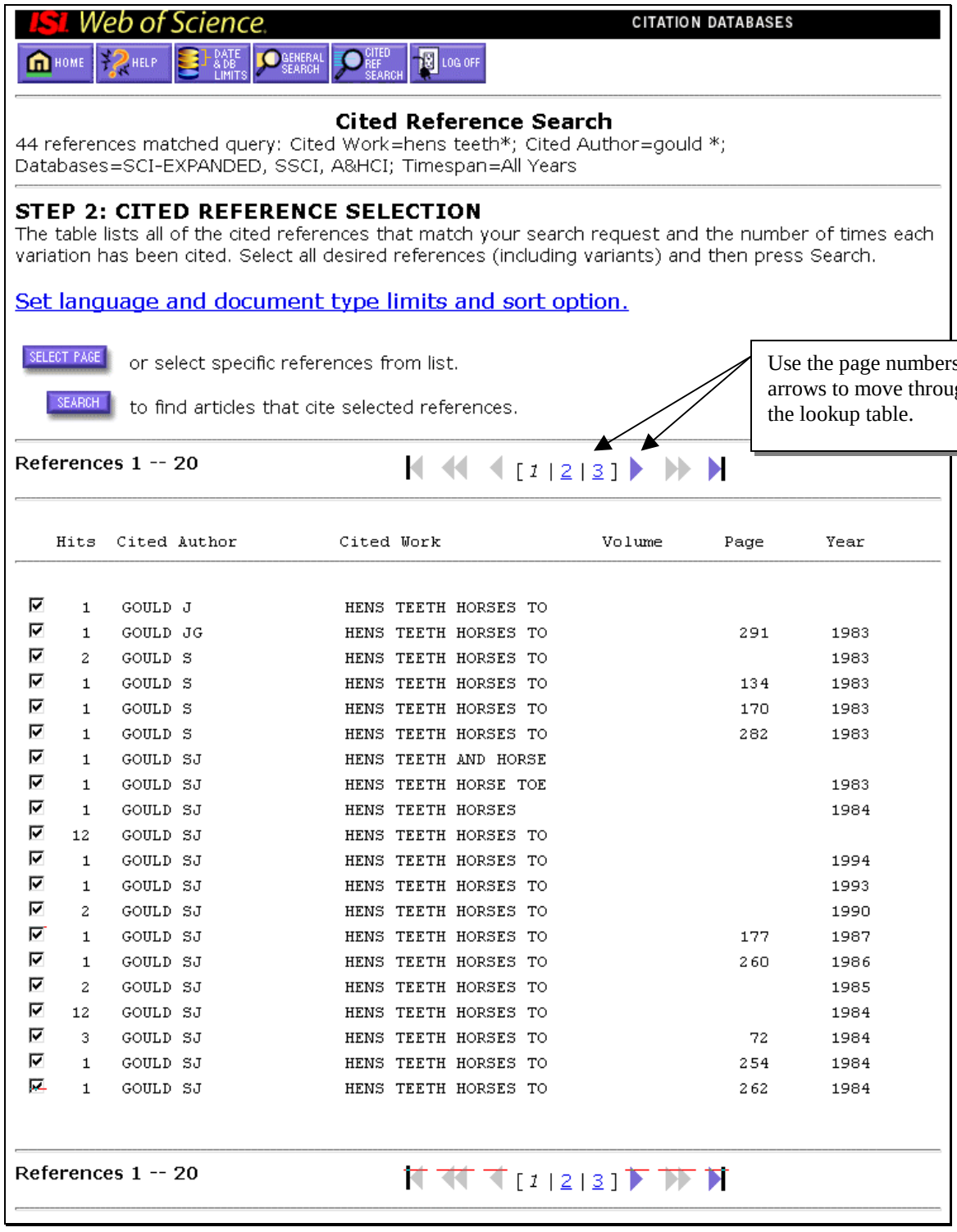

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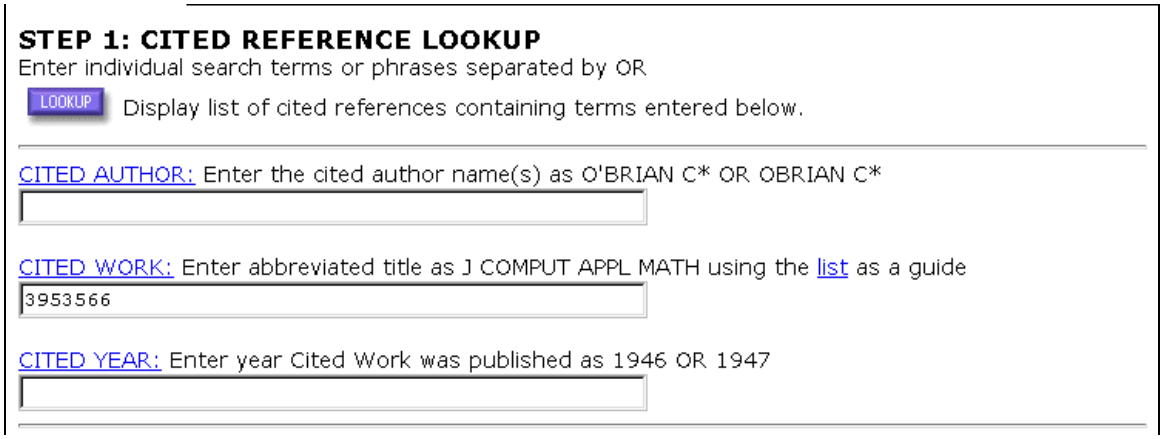

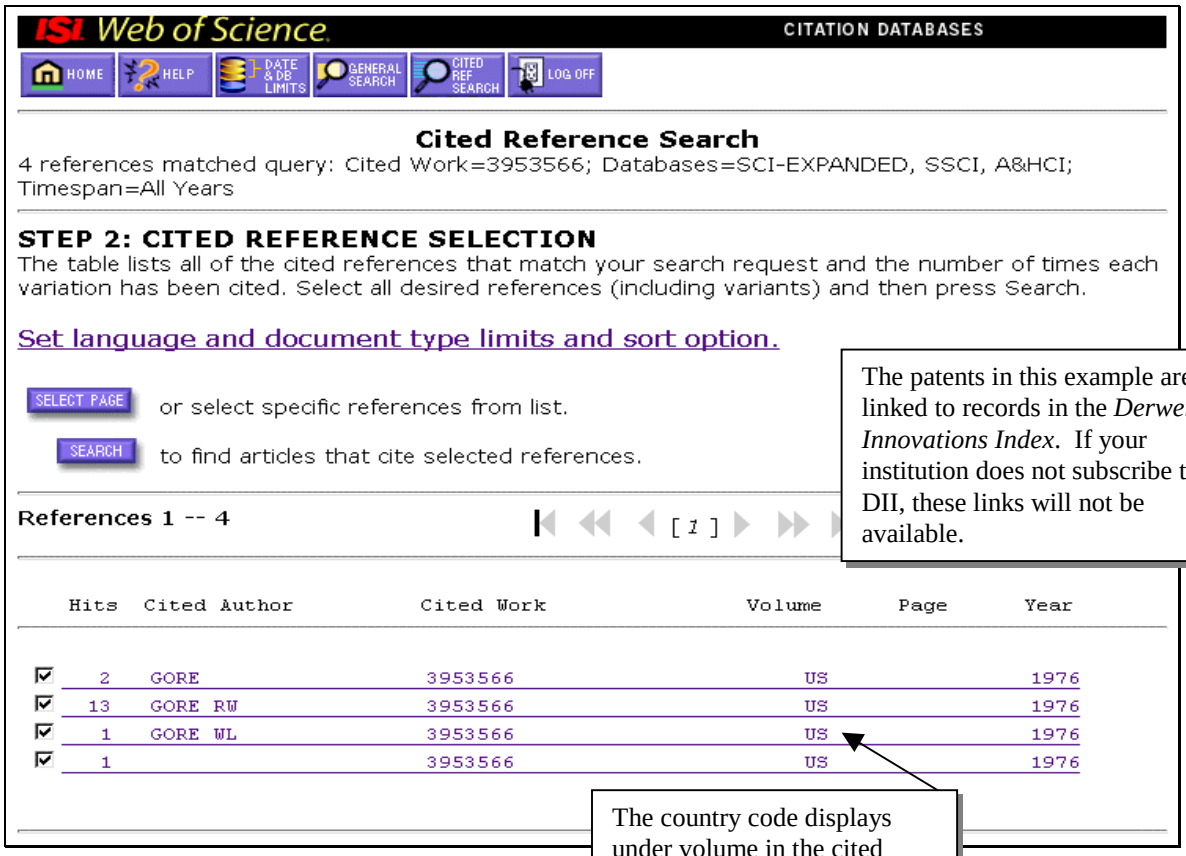

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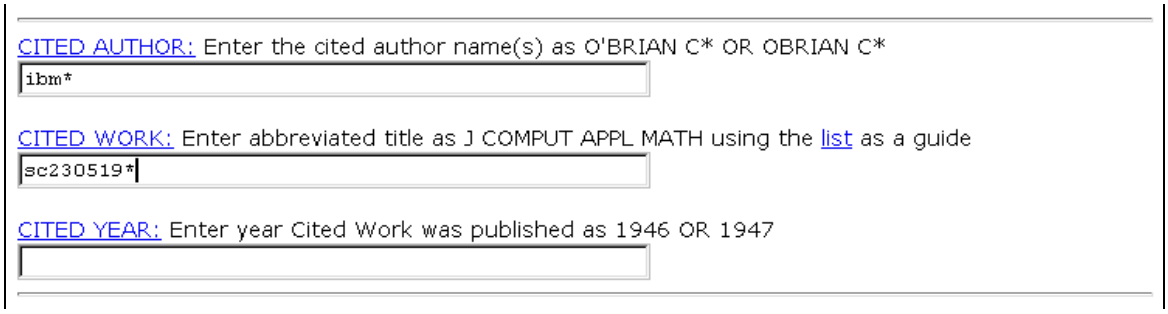

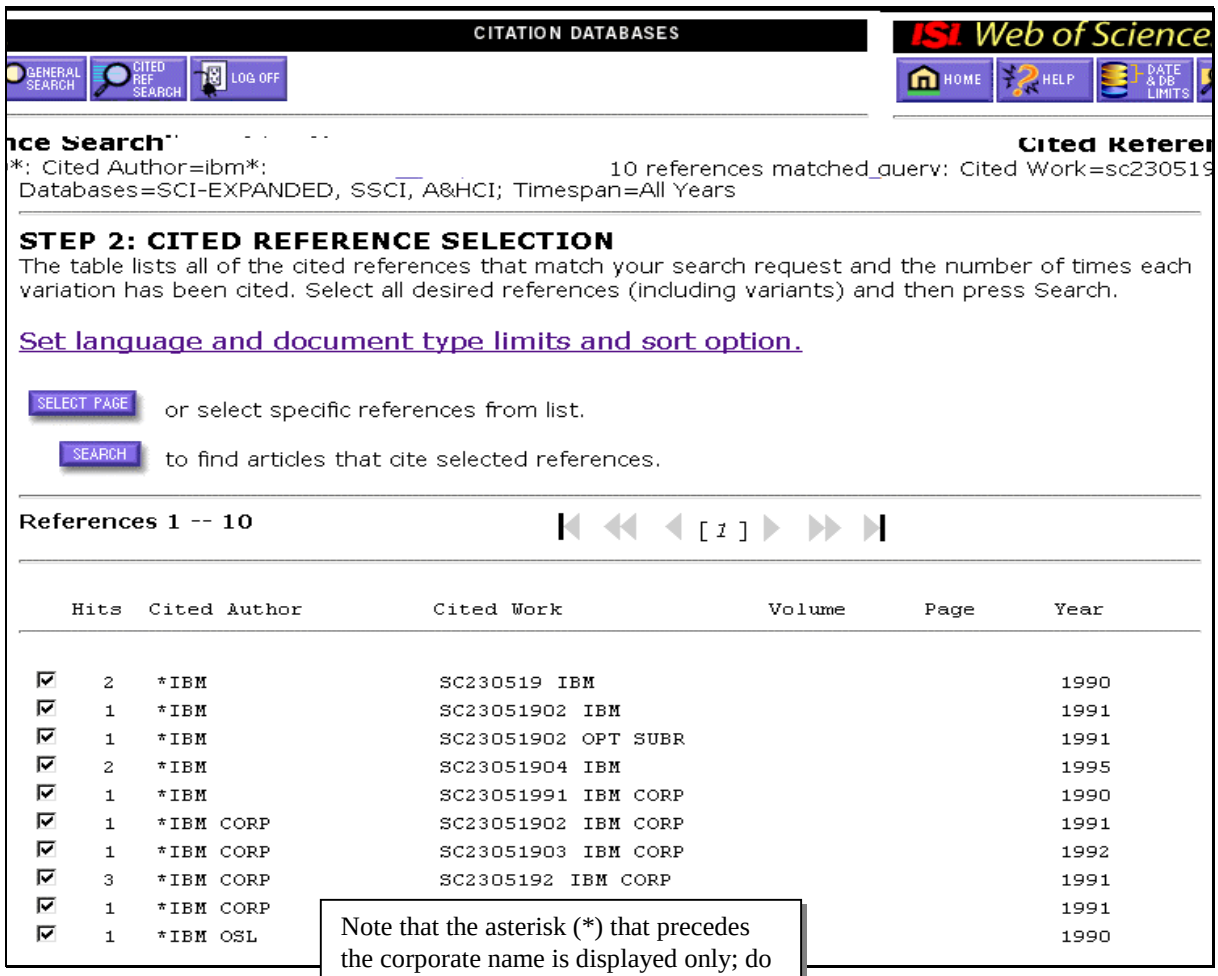

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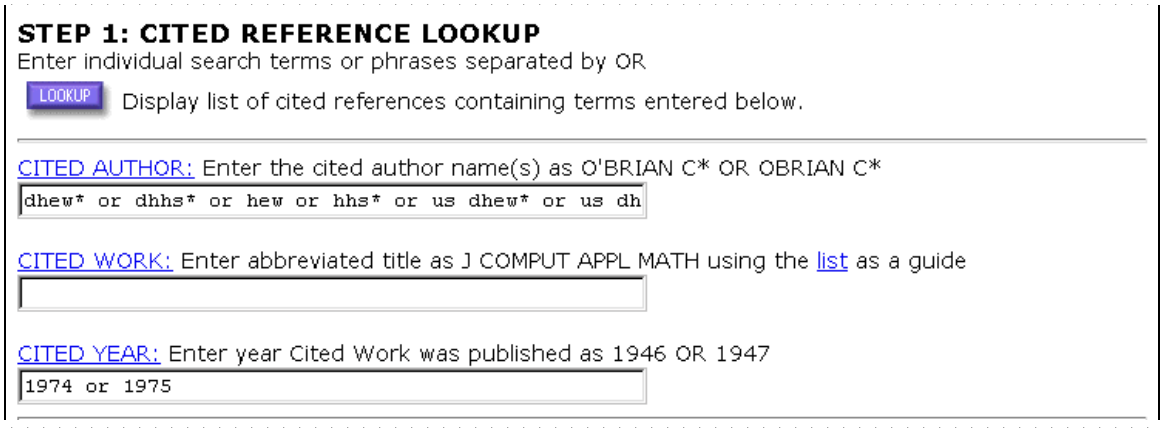

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☐	1	*US DEPT HEW	NHLBI7720 RFP			1975
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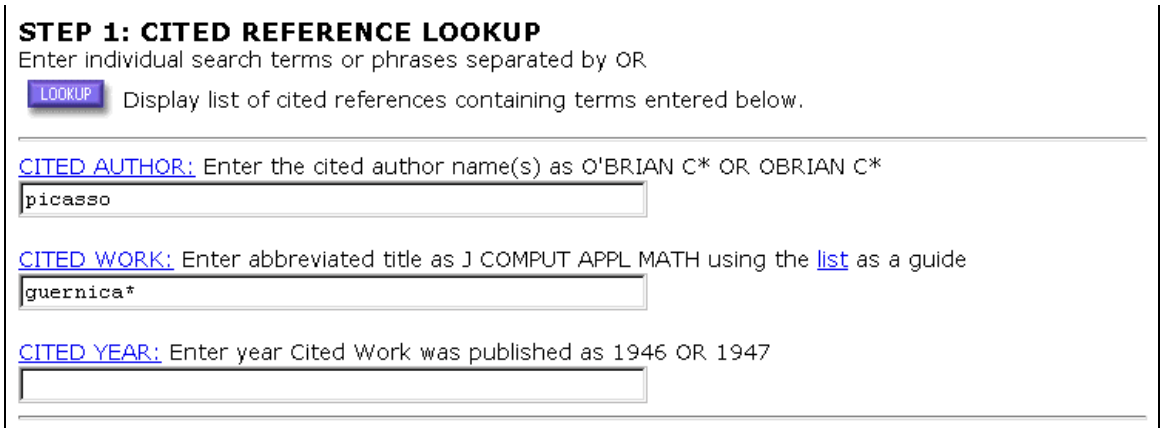
☐	1	*US DHEW	1968 PATT PREV TEEN			1974
☑	1	*US DHEW	197 VIT STAT US			1974
☐	1	*US DHEW	1970 CENS AM IND STU	3		1974
☐	1	*US DHEW	1970 DEC CENS DAT SE			1975
☐	1	*US DHEW	1970 PATT PREV TEEN			1974
☑	1	*US DHEW	1970 VIT STAT US	128	2	1974
☑	2	*US DHEW	1970 VIT STAT US	2	318	1974
☐	1	*US DHEW	1972 AD			1974

References 81 -- 100 [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10]

Cited Reference Searching in Arts & Humanities Citation Index

- **ILLUSTRATIONS** - When a citing article includes an illustration of a work of art, "ILL" displays as the cited volume.



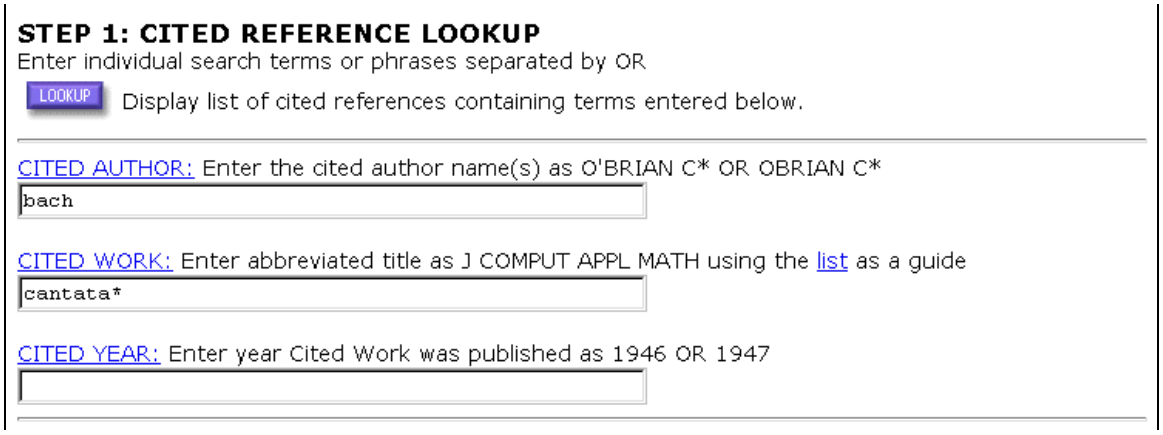
References 1 -- 18 [1]

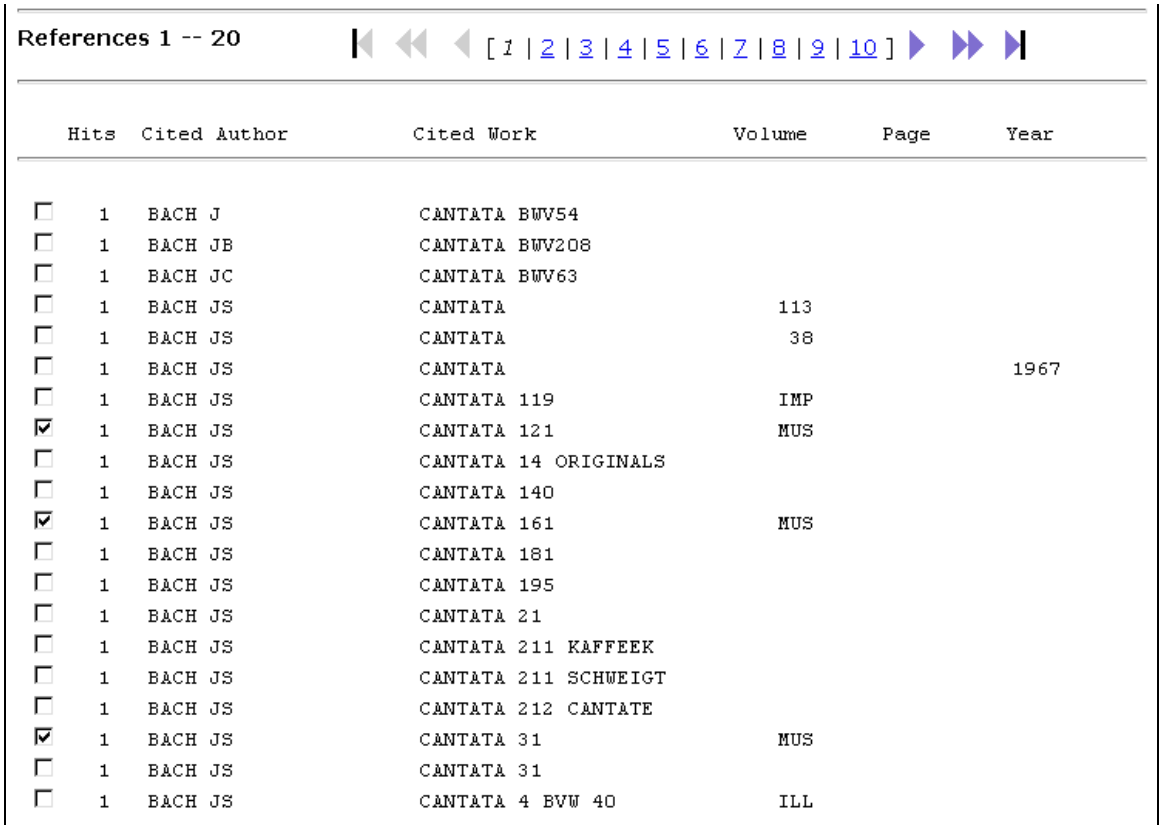
Hits	Cited Author	Cited Work	Volume	Page	Year
1	PICASSO	GUERNICA	ILL		
95	PICASSO P	GUERNICA			
15	PICASSO P	GUERNICA	ILL		
1	PICASSO P	GUERNICA	IMP		
26	PICASSO P	GUERNICA	ILL		1937
6	PICASSO P	GUERNICA			1937
1	PICASSO P	GUERNICA	ILL		1936
1	PICASSO P	GUERNICA DEENSKIZZE	ILL		1937
1	PICASSO P	GUERNICA STUDIES			1937
1	PICASSO P	GUERNICA ZUSTAND 1	ILL		1937
1	PICASSO P	GUERNICA ZUSTAND 2	ILL		1937
1	PICASSO P	GUERNICA ZUSTAND 3	ILL		1937
1	PICASSO P	GUERNICA ZUSTAND 4	ILL		1937
1	PICASSO P	GUERNICA ZUSTAND 5	ILL		1937
1	PICASSO P	GUERNICA ZUSTAND 6	ILL		1937
1	PICASSO P	GUERNICA ZUSTAND 7	ILL		1937
1	PICASSO PP	GUERNICA			
1	PICASSO PR	GUERNICA			

References 1 -- 18 [1]

Citations to Illustrations, Music Scores, and Implicit citations are noted in the Volume field.

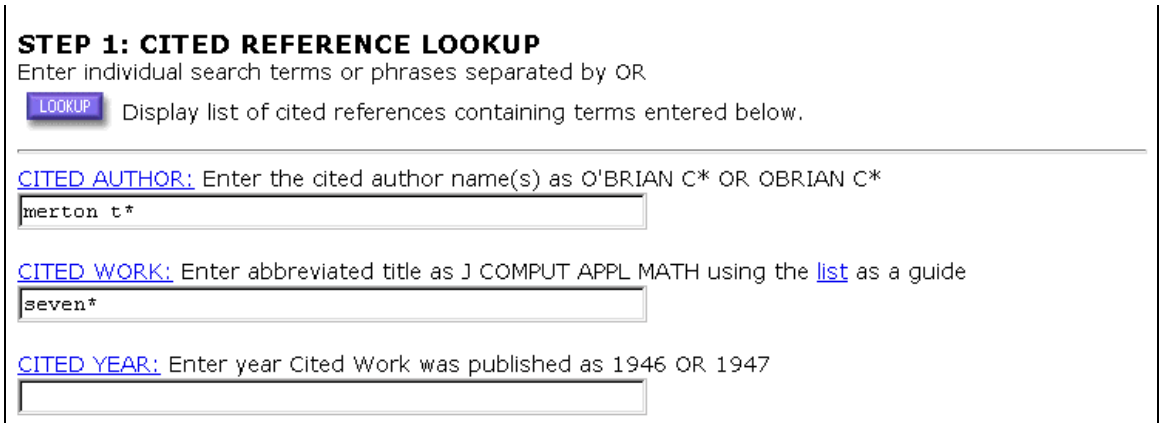
- **MUSICAL SCORES** - When a citing article includes a portion of a musical score, “MUS” displays as the cited volume.





	Hits	Cited Author	Cited Work	Volume	Page	Year
☐	1	BACH J	CANTATA BWV54			
☐	1	BACH JB	CANTATA BWV208			
☐	1	BACH JC	CANTATA BWV63			
☐	1	BACH JS	CANTATA	113		
☐	1	BACH JS	CANTATA	38		
☐	1	BACH JS	CANTATA			1967
☐	1	BACH JS	CANTATA 119	IMP		
☑	1	BACH JS	CANTATA 121	MUS		
☐	1	BACH JS	CANTATA 14 ORIGINALS			
☐	1	BACH JS	CANTATA 140			
☑	1	BACH JS	CANTATA 161	MUS		
☐	1	BACH JS	CANTATA 181			
☐	1	BACH JS	CANTATA 195			
☐	1	BACH JS	CANTATA 21			
☐	1	BACH JS	CANTATA 211 KAFFEEK			
☐	1	BACH JS	CANTATA 211 SCHWEIGT			
☐	1	BACH JS	CANTATA 212 CANTATE			
☑	1	BACH JS	CANTATA 31	MUS		
☐	1	BACH JS	CANTATA 31			
☐	1	BACH JS	CANTATA 4 BVW 40	ILL		

- **IMPLICIT CITATIONS** - Arts & Humanities indexers identify features implicit references to works not included in a source article's formal bibliography or footnotes. For these implicit citations, "IMP" displays as the cited volume.



STEP 1: CITED REFERENCE LOOKUP

Enter individual search terms or phrases separated by OR

LOOKUP Display list of cited references containing terms entered below.

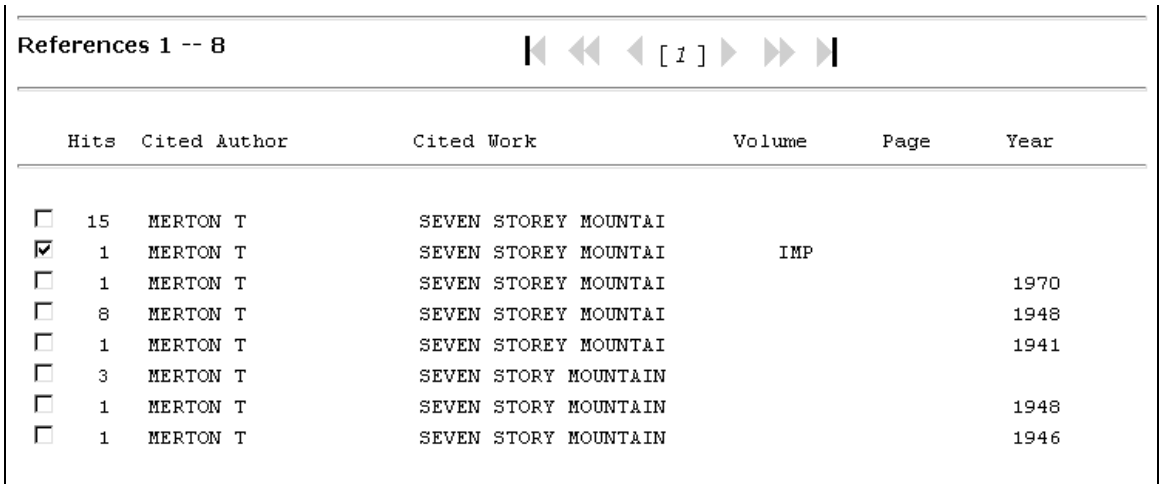
CITED AUTHOR: Enter the cited author name(s) as O'BRIAN C* OR OBRIAN C*

merton t*

CITED WORK: Enter abbreviated title as J COMPUT APPL MATH using the list as a guide

seven*

CITED YEAR: Enter year Cited Work was published as 1946 OR 1947



References 1 -- 8 [1]

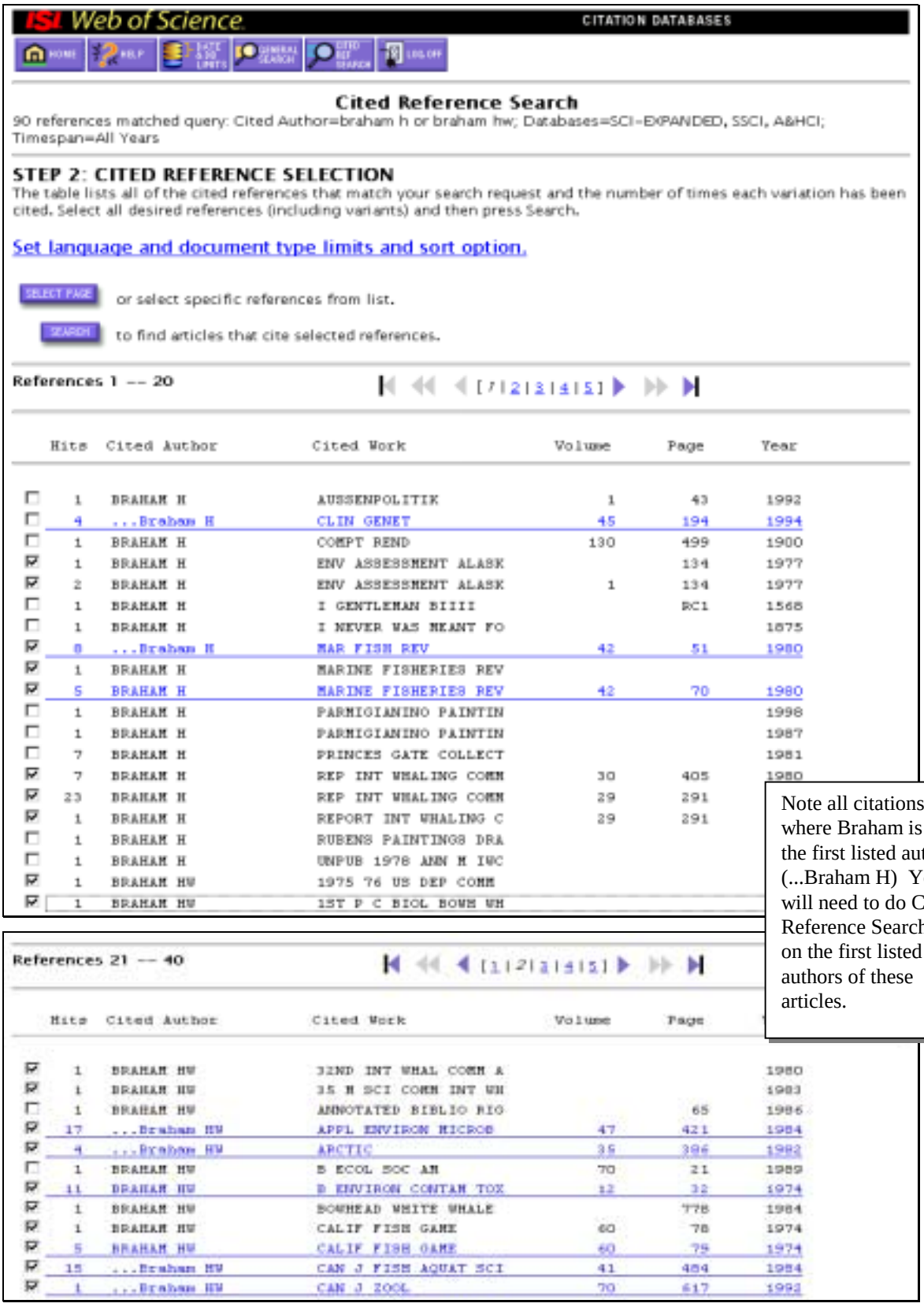
	Hits	Cited Author	Cited Work	Volume	Page	Year
☐	15	MERTON T	SEVEN STOREY MOUNTAI			
☑	1	MERTON T	SEVEN STOREY MOUNTAI	IMP		
☐	1	MERTON T	SEVEN STOREY MOUNTAI			1970
☐	8	MERTON T	SEVEN STOREY MOUNTAI			1948
☐	1	MERTON T	SEVEN STOREY MOUNTAI			1941
☐	3	MERTON T	SEVEN STORY MOUNTAIN			
☐	1	MERTON T	SEVEN STORY MOUNTAIN			1948
☐	1	MERTON T	SEVEN STORY MOUNTAIN			1946

Comprehensive Cited Author Searching

To find all citations to an author as available in ISI® citation databases, follow these steps:

1. Obtain a comprehensive bibliography of the author's works—articles, books, communications, proceedings papers, etc.
2. Determine the FIRST listed author for each work.
3. Perform a Cited Reference Search for the author.

4. Select appropriate articles from all pages of the lookup table and perform search.



ISI Web of Science — CITATION DATABASES

HOME | HELP | DATE & DOC LIMITS | GENERAL SEARCH | CITED REF SEARCH | LOG OFF

Cited Reference Search

90 references matched query: Cited Author=braham h or braham hw; Databases=SCI-EXPANDED, SSCI, A&HCI; Timespan=All Years

STEP 2: CITED REFERENCE SELECTION

The table lists all of the cited references that match your search request and the number of times each variation has been cited. Select all desired references (including variants) and then press Search.

Set language and document type limits and sort option.

SELECT PAGE or select specific references from list.

SEARCH to find articles that cite selected references.

References 1 -- 20 [1 | 2 | 3 | 4 | 5]

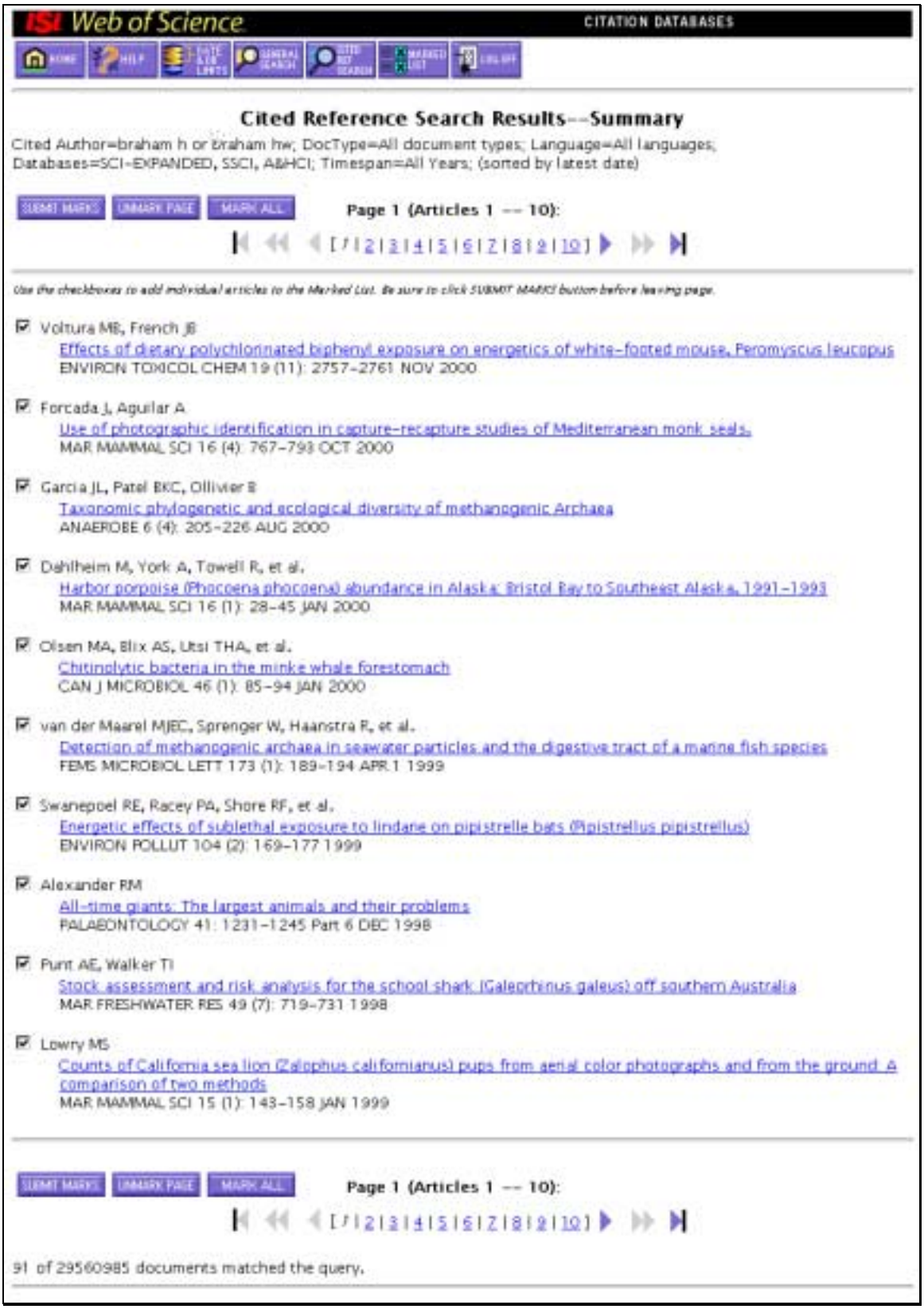
Hits	Cited Author	Cited Work	Volume	Page	Year
1	BRAHAM H	AUSSENPOLITIK	1	43	1992
4	...Braham H	CLIN GENET	45	194	1994
1	BRAHAM H	COMPT REND	130	499	1900
1	BRAHAM H	ENV ASSESSMENT ALASK		134	1977
2	BRAHAM H	ENV ASSESSMENT ALASK	1	134	1977
1	BRAHAM H	I GENTLEMAN BIIII		RC1	1568
1	BRAHAM H	I NEVER WAS MEANT FO			1675
8	...Braham H	MAR FISH REV	42	51	1980
1	BRAHAM H	MARINE FISHERIES REV			
5	BRAHAM H	MARINE FISHERIES REV	42	70	1980
1	BRAHAM H	PARMIGIANINO PAINTIN			1998
1	BRAHAM H	PARMIGIANINO PAINTIN			1987
7	BRAHAM H	PRINCES GATE COLLECT			1981
7	BRAHAM H	REP INT WHALING COMN	30	405	1980
23	BRAHAM H	REP INT WHALING COMN	29	291	
1	BRAHAM H	REPORT INT WHALING C	29	291	
1	BRAHAM H	RUBENS PAINTINGS DRA			
1	BRAHAM H	UNPUB 1978 ANN M INC			
1	BRAHAM HW	1975 76 US DEP COMM			
1	BRAHAM HW	1ST P C BIOL BOWH WH			

References 21 -- 40 [1 | 2 | 3 | 4 | 5]

Hits	Cited Author	Cited Work	Volume	Page	
1	BRAHAM HW	32ND INT WHAL COMN A			1980
1	BRAHAM HW	35 M SCI COMN INT WH			1983
1	BRAHAM HW	ANNOTATED BIBLIO BIO		65	1986
17	...Braham HW	APPL ENVIRON MICROB	47	421	1984
4	...Braham HW	ARCTIC	35	396	1982
1	BRAHAM HW	B ECOL SOC AM	70	21	1989
11	BRAHAM HW	B ENVIRON CONTAM TOX	12	32	1974
1	BRAHAM HW	BOWHEAD WHITE WHALE		778	1984
1	BRAHAM HW	CALIF FISH GAME	60	78	1974
5	BRAHAM HW	CALIF FISH GAME	60	75	1974
15	...Braham HW	CAN J FISH AQUAT SCI	41	484	1984
1	...Braham HW	CAN J ZOOL	70	617	1992

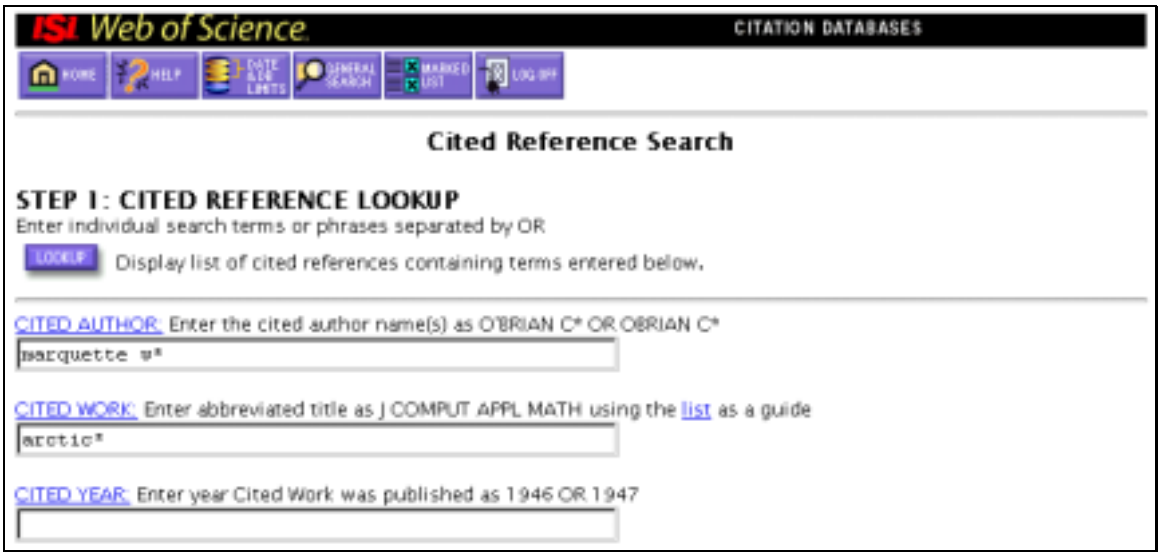
Note all citations where Braham is not the first listed author. (...Braham H) You will need to do Cited Reference Searches on the first listed authors of these articles.

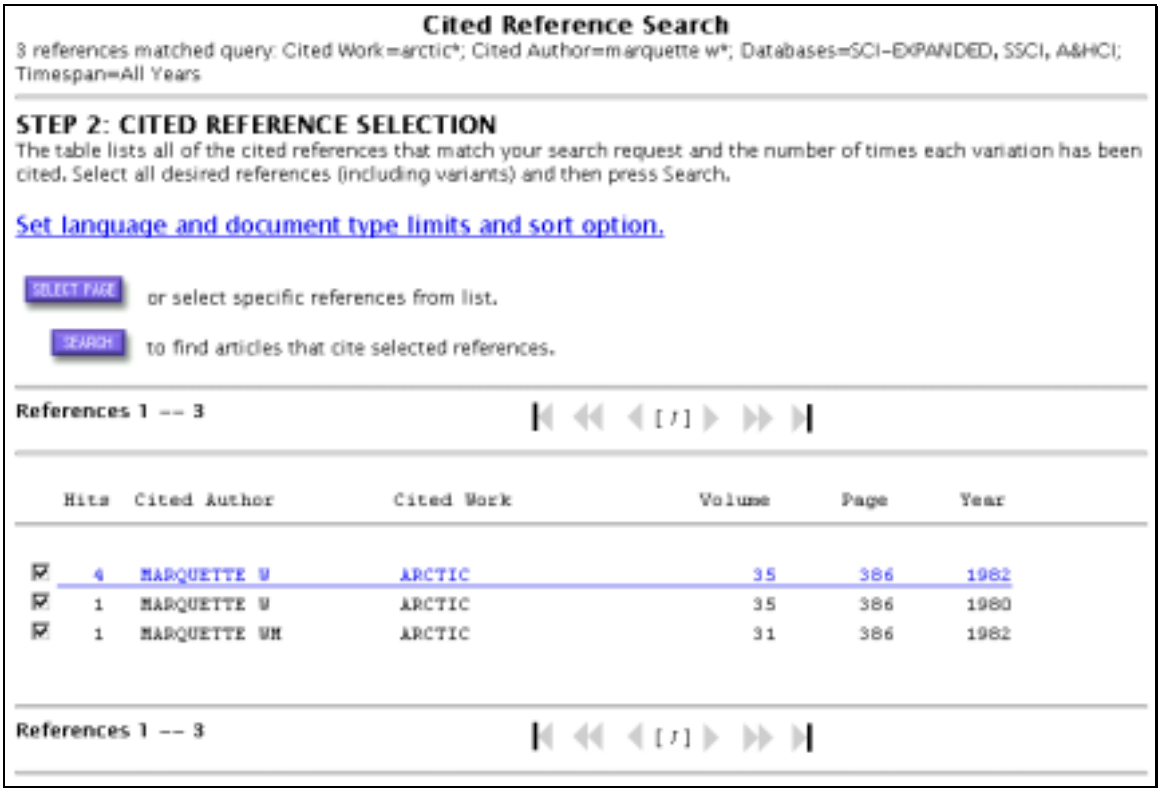
5. Mark records and add them to the Marked List.



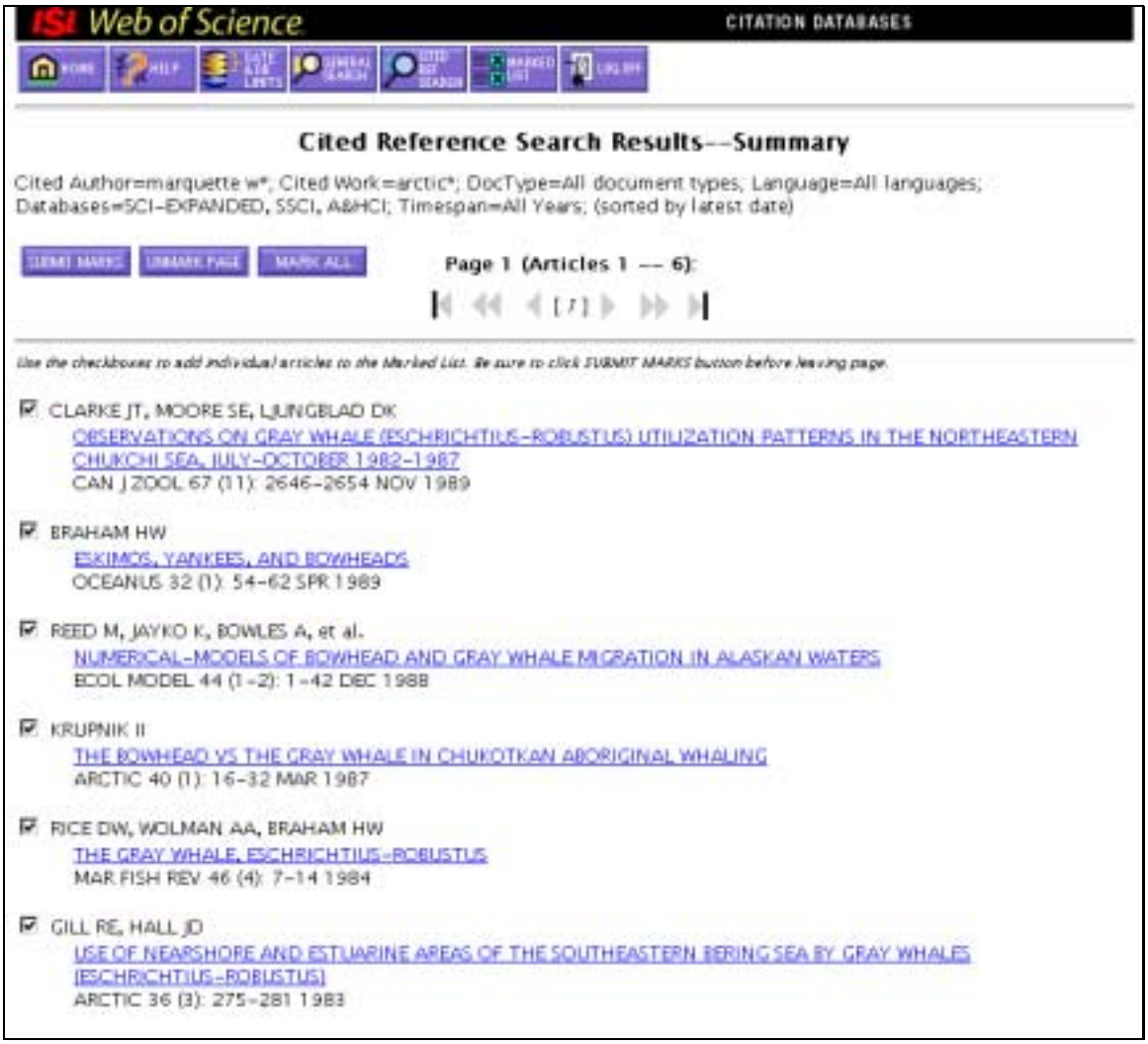
6. Perform Cited Reference Searches for each co-author that is a first listed author.

> **Marquette W**, Braham H. Gray Whale Distribution and Catch by Alaskan Eskimos - A Replacement for the Bowhead Whale. *Arctic 35*: (3) 386-394, 1982.



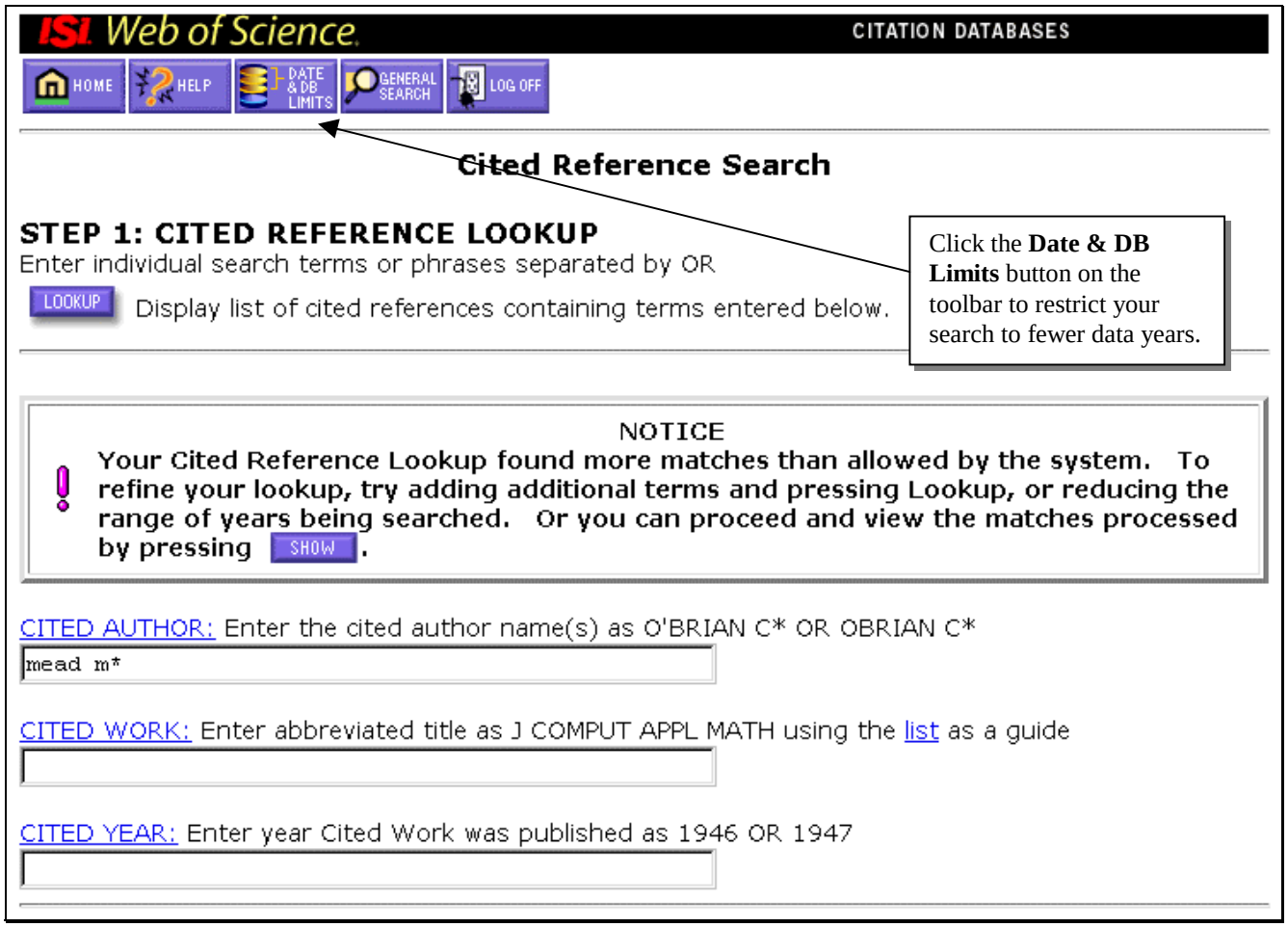


7. Mark records and submit them to the marked list. Repeat steps 4-5 for each first listed co-author.



More than Five Hundred Variations

- If a Cited Reference Lookup retrieves more than 500 variations you will receive a notice to refine the search.



Refine your search or click SHOW to view the references processed.

To refine a search either enter a value in more than one of the components of a cited reference or restrict your search to fewer data years.

Summary of Cited Reference Searching

- ISI includes significant implicit references in Arts & Humanities Citation Index.
- Only the *first* listed author of a cited reference is captured.
- Secondary cited authors can be searched if the document occurs as a source record in the loaded databases.
- Variations of the same Cited References may appear in the databases.
- There will be a link between a cited reference and its corresponding source record if the article referenced was covered by ISI, has been cited correctly, and if the source record is included in the loaded databases.

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Working with the Marked List, Saving Queries, & Running Saved Queries

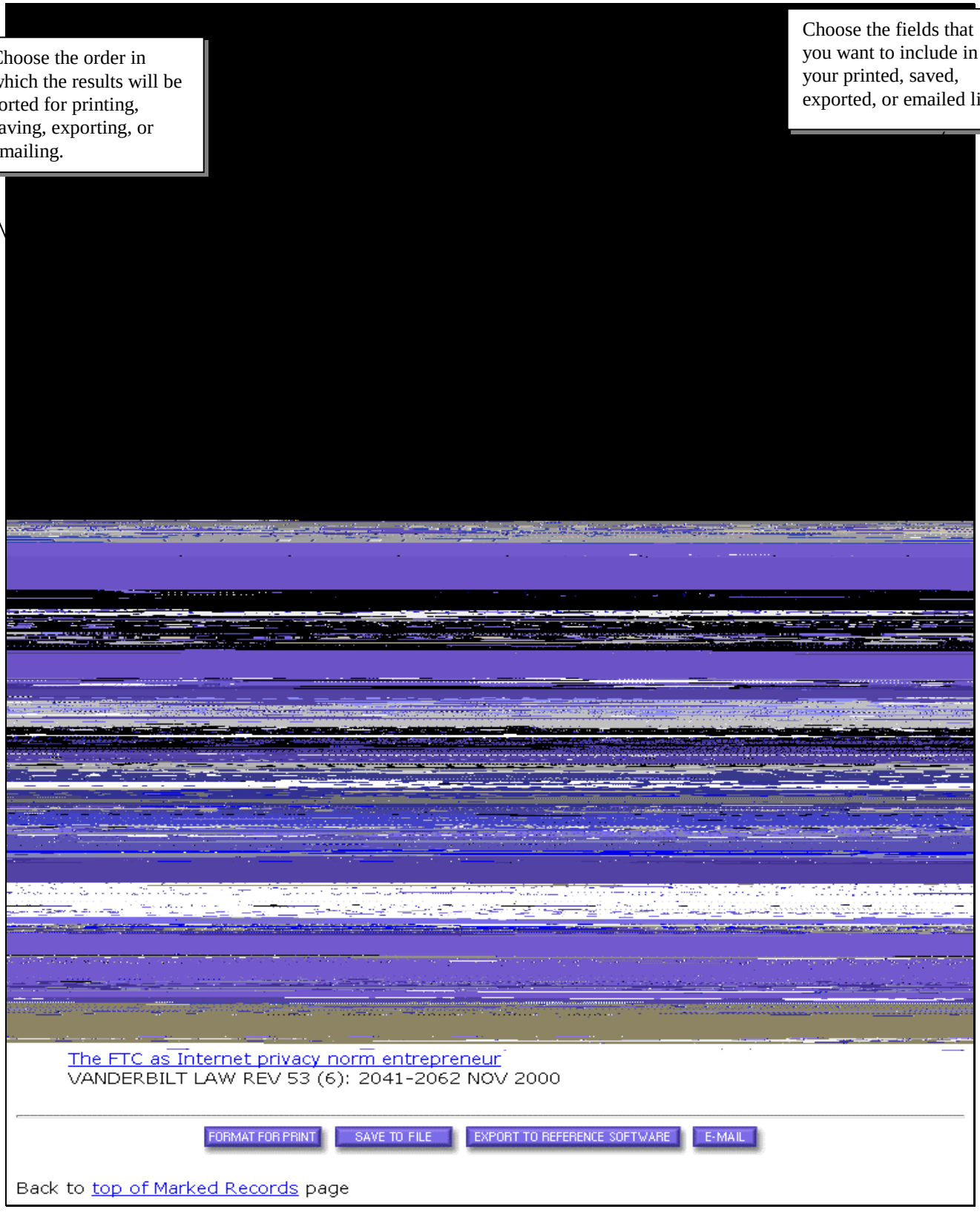
Marking Records

To create a Marked List, there are three options:

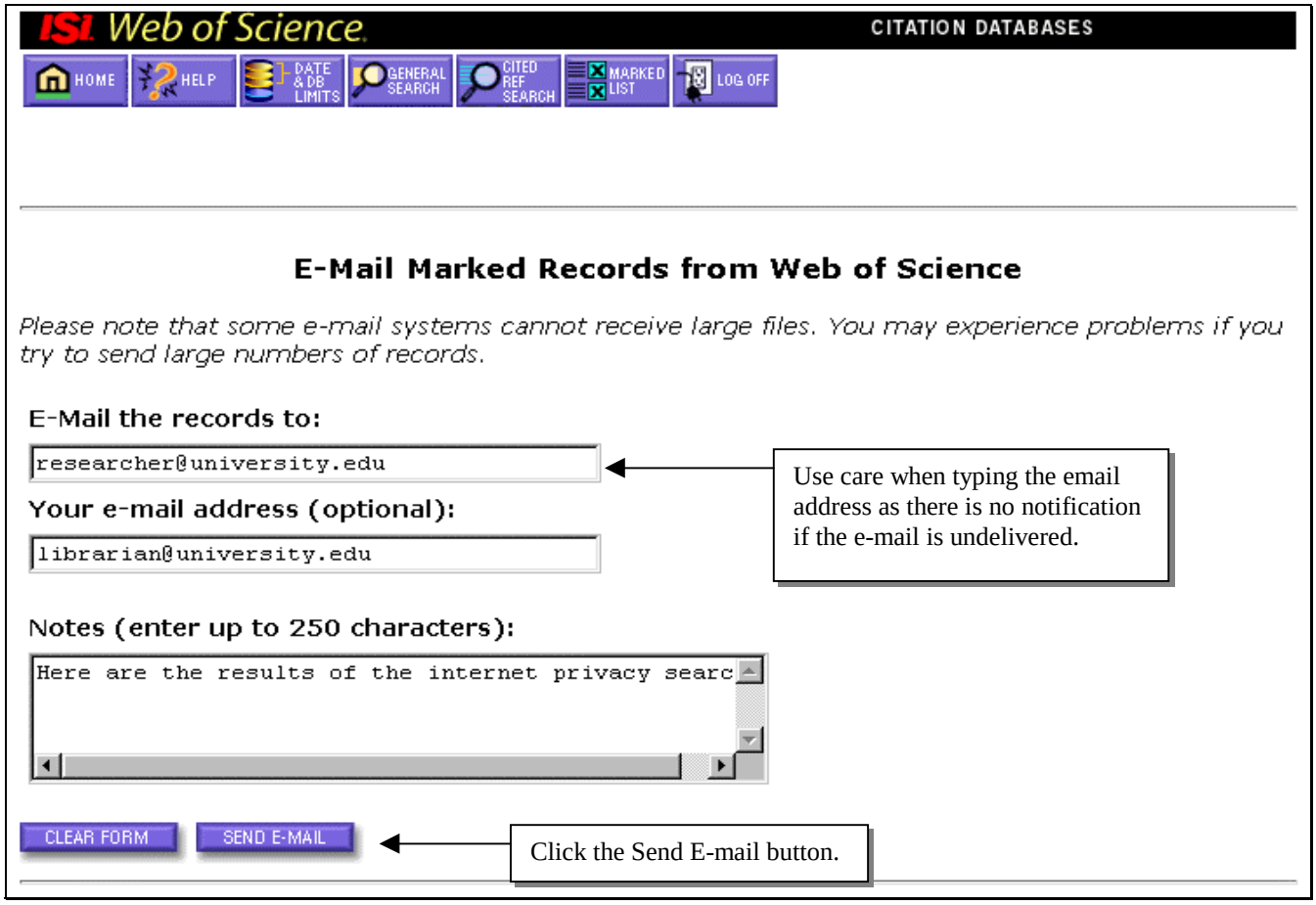
- Select individual check boxes to the left of the record title, then click **Submit Marks**.
- Select **Mark Page** to mark all 10 records on the page.
- Select **Mark All** to mark **all** records in the result list (up to 500).

Working with the Marked List

From the **Marked List**, you can format records for printing, save records to a file, export records directly to EndNote, ProCite or Reference Manager, or format records for document delivery requests.



E-Mailing Records



Printing Records

1. From the **Marked List** page, choose the fields, in addition to the author, title, and source publication, that you want to print.
2. Click the **Format for Print** button to format the records in a plain text format with field labels.
3. Use your Web browser's **File/Print** option to print the formatted records.

Exporting and Saving Records

From the Marked List Page, click the **Export** Button and save the file into the appropriate database, or create a new database for the current search. To export records directly to EndNote, ProCite or Reference Manager, you must have EndNote, ProCite or Reference Manager installed, along with the appropriate **ISI/RIS Web Capture Utility**. For instructions on downloading and installing this free utility, click the ISI/RIS Web Capture Utility link on the "Marked Records for Printing, Exporting, and Ordering" Help page.

To save records in an ISI tagged file format, click the **Save to File** button. Specify a path and file name in the **File/Save** dialog box. A file will be saved containing the records on your marked list, with fields identified by two-character tags. This format can be imported into a bibliographic management or word processing program.

Exporting and Saving Records

For information on ISI ResearchSoft and any of its products, please go to one of the following links:

ISI ResearchSoft	http://www.isiresearchsoft.com/
Reference Manager	http://www.isiresearchsoft.com/rm/rmhome.html
EndNote	http://www.endnote.com/
ProCite	http://www.isiresearchsoft.com/pc/pchome.html

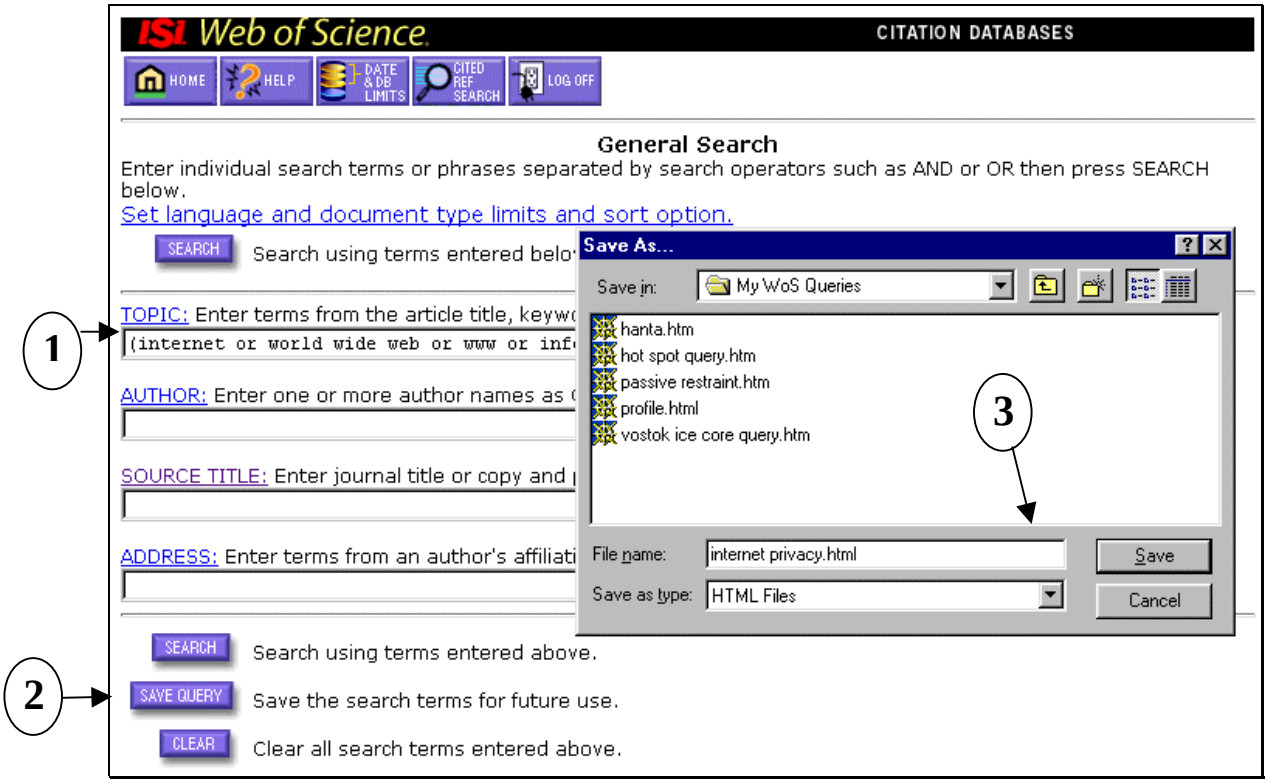
Saving Queries

When you construct a complex query, you can save it locally so that you can run the same query again against new data, or to continue researching later. This process can be used for both **General** and **Cited Reference** Searches. For example, the query below has many synonyms for each concept:

```
(internet or world wide web or www or information superhighway
or global information infrastructure or gii or cyberspace) same
(privacy or private or confident*)
```

To save a search, follow these steps:

1. Enter the query you would like to save.
2. Click the **Save Query** button.
3. When prompted, choose a directory where you want to save the .html file, supply a descriptive filename, then click the **Save** button.

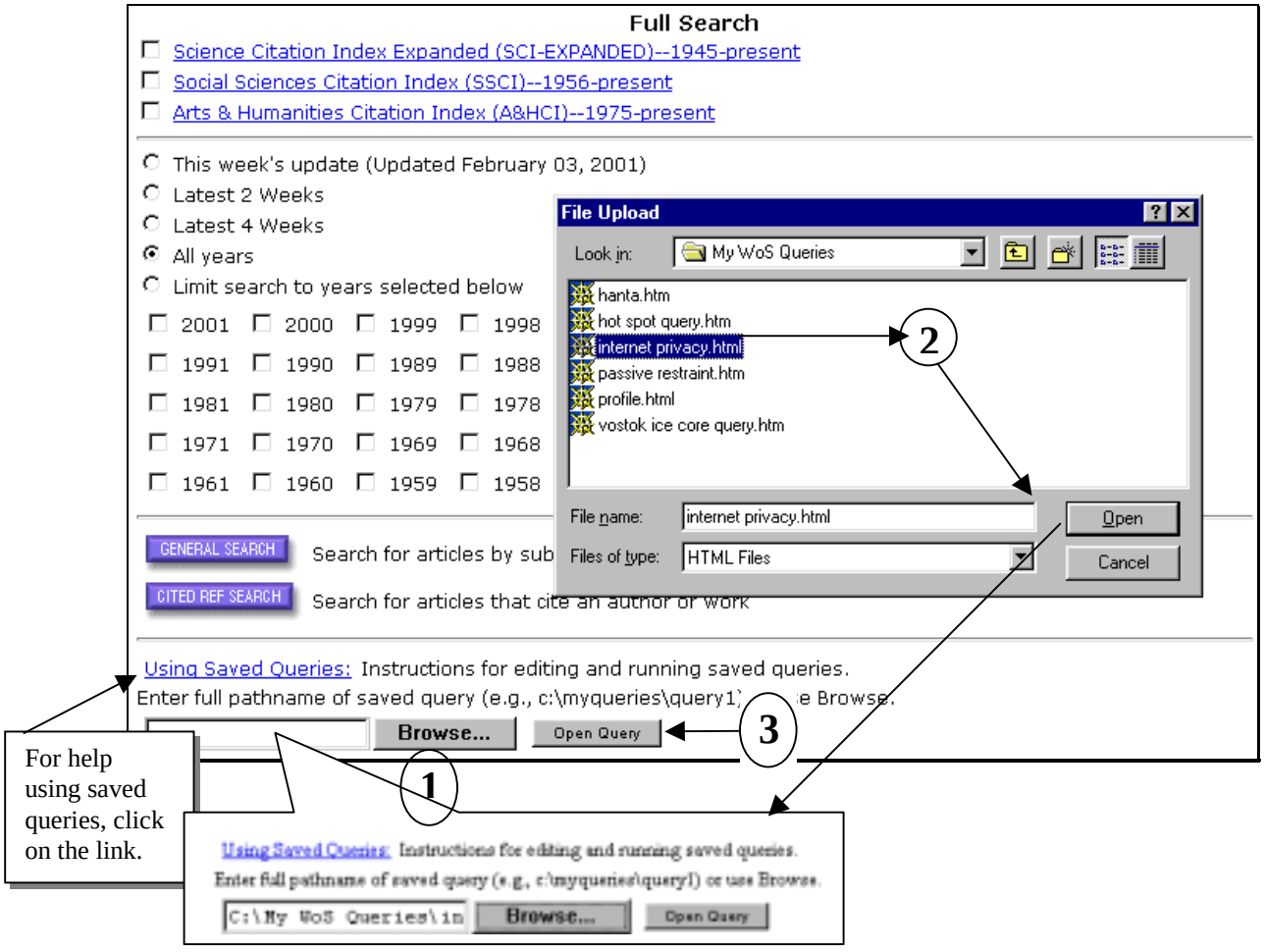


Running Saved Queries

Go to the **Full Search** page. Choose the desired file depth to run the query. At the bottom of the page there is an option for Using Saved Queries. (There is a direct link to Help on this topic.)

To run a saved query, follow these steps:

1. Enter the path and filename of the saved query, or use the **Browse** button.
2. This will open up your computer's **File Upload** dialog box. Find the folder where you saved the query, select the proper file, and click **Open**. This will enter the path and filename (e.g. C:\ My WoS Queries\internet privacy.htm) under **Using Saved Queries** at the bottom of the **Full Search** screen.
3. Click the **Open Query** button. This will take you to the **General Search** or the **Cited Reference Search** page, depending on which type of search you have saved.
4. Click **Search** from the **General Search** page or **Lookup** from the **Cited Reference Search** page to execute your query.



Appendices

Appendix A

Arts & Humanities Search: Sacred Writings Guide Sheet

Sacred Writings	Searchable Term for Cited Author	Searchable Elements in Cited Work	Search Examples
Bible	BIBLE	Book	Cited Author: BIBLE Cited Work: GENESIS
Koran	KORAN	Surah	Cited Author: KORAN Cited Work: SURAH
Talmudic Literature			
Mishna	MISHNA	Tractate	Cited Author: MISHNA

Appendix B
Search Strategy Worksheet

Write out what you're searching for in conversational language here:

_____

_____

_____

Break the inquiry into separate concepts. List them in the matrix below, including synonyms for each concept.

	(CONCEPT 1)	(CONCEPT 2)	(CONCEPT 3)
Synonyms	SAME AND NOT	SAME AND NOT	
	OR	OR	
	OR	OR	
	OR	OR	
	OR	OR	
	OR	OR	

Group your concept synonyms together using parenthesis, and join the groups together with AND or SAME.

Search Statements: _____

_____

_____

Appendix C—Searchable Fields

Field: **Topic**

Enter words or phrases that might appear in the article **title**, **abstract**, or **keyword lists**.

Rule	Example
To search for a phrase, simply type the phrase. Do not use quotes. Adjacent terms are searched in order.	Enter **reduc* sodium** to retrieve *reduced sodium, reducing sodium, etc.*
Use the SAME operator to specify that two terms occur in the same sentence in any order.	Enter **reduc* SAME sodium** to retrieve *reduced sodium, reducing sodium, sodium intake of experimental group was reduced, etc.*
Use synonyms (natural language, acronyms, jargon); combine these with the OR operator.	Enter **heart* OR coronar* OR cardio* OR cardia*** to retrieve *heart, hearts, heartbeat, coronary, cardiovascular, cardiotonic, cardiopulmonary, cardiac, etc.*
Truncate to retrieve plural and derivative terms.	Enter **angioplast*** to retrieve *angioplasty, angioplasties, angioplastic, etc.*
Use internal wildcards to retrieve variant forms.	Enter **wom?n** to retrieve *woman* or *women.* Enter **labo*r** to retrieve *labor* or *labour.*
When searching for a term that contains punctuation, use a space.	Enter **2 4 dinitrotoluene** to retrieve *2,4-dinitrotoluene.*
When searching for a phrase that contains a possessive, use the SAME operator.	Enter **kaposi* SAME sarcom*** to retrieve *Kaposi sarcoma, Kaposis-sarcoma, Kaposis sarcoma, Kaposi's sarcoma.*
Search hyphenated words fused and unfused.	Enter **x ray* OR xray*** to retrieve *X-ray, X-rays, Xray, Xrays, X-rayed, etc.*
Search personal names using the SAME operator.	Enter **churchill same (winston OR w)** to retrieve *Winston Churchill; Churchill,Winston; Churchill, W., etc.*
Non-English titles are translated into U.S. English when no translation is provided by the journal.	The continuous quality improvement process in mental health services management Massa JLP Actas Luso-Espanolas De Neurologia Psiquiatria Y Ciencias Afines 24: (1) 49-57 JAN-FEB 1996
Titles of creative works remain in the language used in the source.	The Barbizon School - L'auberge Ganne' Laverroux N Oeil-Magazine International D Art (477) S2-S2 DEC 1995
Title enhancements are indicated by a plus sign or by parenthesis (Arts & Humanities Citation Index only).	Speech After Long Silence + The Poetry Of Haines,John Berry W Sewanee Review 104: (1) 108-110 WIN 1996

Field: **Source Author**

Enter an author/editor name with the last name first, followed by a space, and up to 5 initials. We recommend using one initial and the truncation symbol (*) since authors sometimes publish using variations of their name. ISI captures all source authors.

Rule	Example
For names with punctuation or spaces, enter both fused and unfused versions.	Enter **oneill OR o neill** to retrieve O'Neill. Enter **delarosa or de la rosa** to retrieve articles by de la Rosa.
Search for variations on names where the family name may not be the last name	Enter **yen sw or shi wy** to retrieve articles by Shi-Wa Yen.
Titles of rank, generational designations such as Junior or Senior, and academic degrees are dropped.	Source Document / ISI Database Lord Duvall Edwards / Edwards d W. Brumfitt, Jr. / Brumfitt w

Field: **Source Title**

Enter a full or partial (truncated) journal title.

Rule	Example
Use wildcard and truncation characters in this field. Enter multiple abbreviated titles joined by the search operator OR.	Enter **science or nature** to retrieve articles from either journal. Enter **nature*** to retrieve articles from the journals *Nature*, *Nature & Resources*, *Nature Biotechnology*, *Nature Genetics*, etc.

Field: **Address**

ISI captures all author addresses. Enter an institution and/or place name from an author's address to search for records based on address.

- Link to the Address Abbreviation List (accessible from the search page).
- Searching for some very common words/abbreviations (e.g., UNIV for University) is disallowed in the address field, as such searches would return too many results. These disallowed words may, however, be used in conjunction with other words that narrow the search (e.g., UNIV PENN).
- Adding an address or part of an address to your search can be especially helpful if you are searching for an author with a common last name such as Smith or Jones.

Rule	Example
Use wildcards and truncation in this field.	Enter **univ penn*** to retrieve univ penn, the abbreviated form of the University of Pennsylvania.
Use the SAME operator to search for two or more words that appear within the same address.	Enter **univ penn* SAME anthro*** to retrieve documents authored by faculty and students at the University of Pennsylvania's Department of Anthropology.

Field: **Cited Author**

ISI captures the surname and up to 3 initials of the first listed author in a citation.
Use the Author rules listed under Source Author.

- If the name is longer than 15 characters, truncate after the fifteenth character. Follow the last name with a space, the first initial if known and an asterisk.

Field: **Cited Work**

ISI captures up to 20 characters for the cited work.
For **journals**, enter abbreviated journal title variations.
For **books**, enter the first significant word or words of the title. Truncate because of variant spellings. Titles of cited works may be in languages other than English. Always truncate the last word of a book title.
For **patents**, enter the patent number. Do not specify a country code.

Rule	Example
Use wildcard and truncation characters in this field. Enter multiple abbreviated titles joined by the search operator OR.	Enter **j am chem soc* or j amer chem soc* or jacs*** to retrieve items from the Journal of the American Chemical Society.

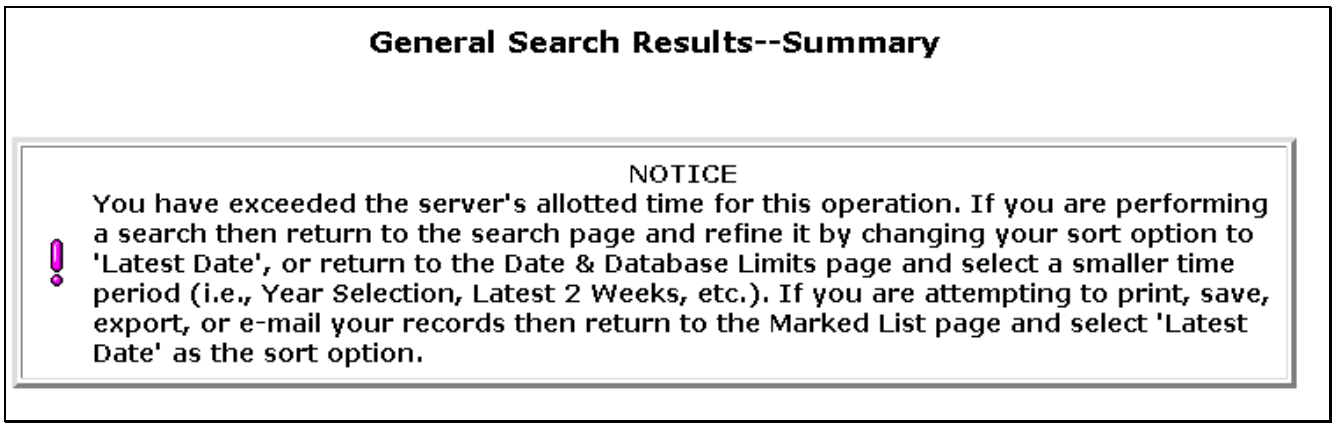
Field: **Cited Year**

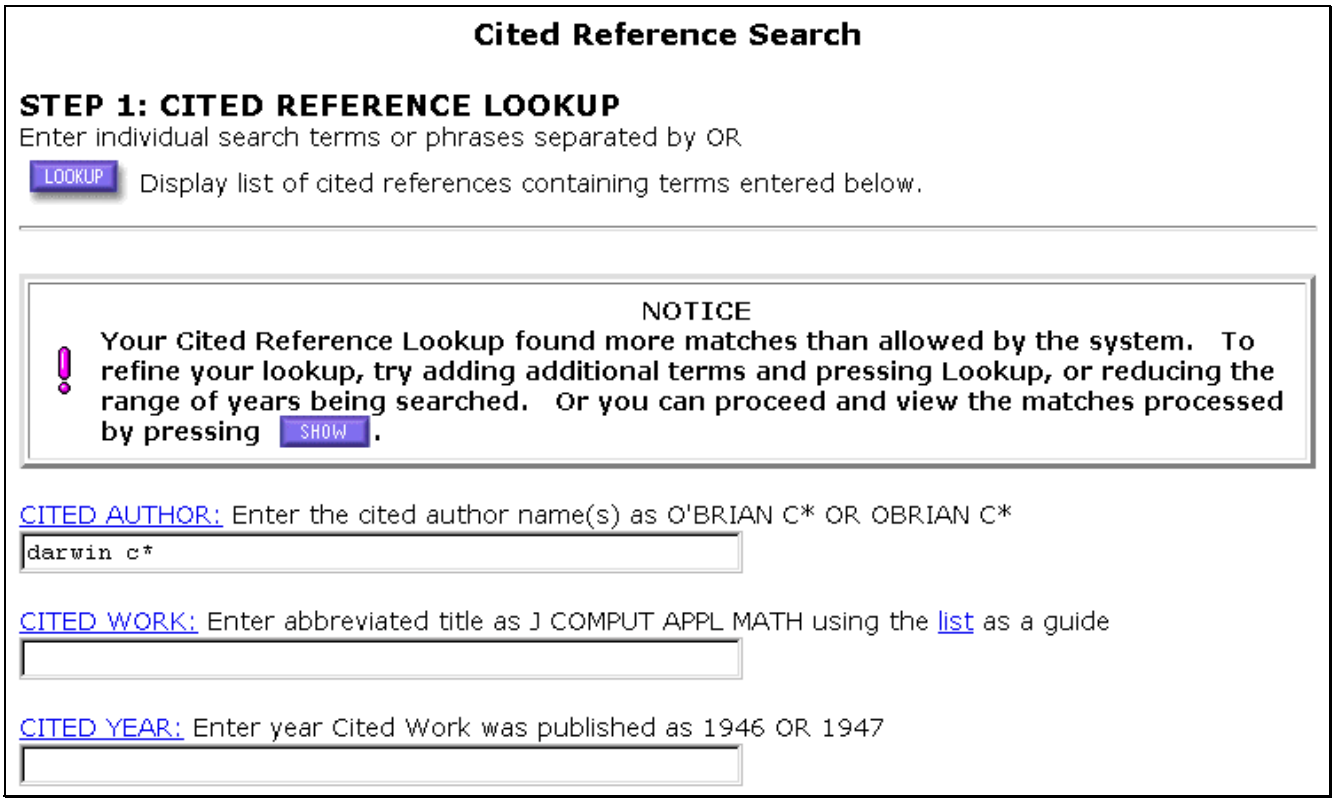
Enter a four-digit year or series of years separated by the OR operator to indicate when the work was published. For **patents**, use the date of issue.

Use a range of years around the publication year to account for citation errors.

Appendix D—Error Messages

If you attempt to sort more than 300 records by Cited References, First Author, or Source Title when searching you will receive the error message below. You will receive this same error message if you attempt to resort a large Marked List (300+ records) by Cited References, First Author, or Source Title.





Appendix E
KeyWords Plus® Creation Cycle

SAMPLE SOURCE RECORD

Title: Respiratory and immunological findings in brewery workers
Author(s): GodnicCvar J; Zuskin E; Mustajbegovic J; Schachter EN (REPRINT);
Kanceljak B; Macan J; Ilic Z; Ebling Z
Journal: AMERICAN JOURNAL OF INDUSTRIAL MEDICINE, 1999, V35, N1 (JAN), P 68-75
Author Keywords: brewery workers ; respiratory symptoms ; lung function ; immunology

Selected Cited References: (39 total, 14 shown for demonstration)
*WHO, 1986, P39, EARL DET OCC LUNG DI
BLASKI CA, 1996, V154, P334, AM J RESP CRIT CARE
HUY T, 1991, V144, P1314, AM REV RESPIR DIS
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