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- Mathematical Geology
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- Paleontology
- Petrology
- Seismology
- Stratigraphy
- Structural Geology
- Surficial Geology and Instrumentation

**Date Coverage**

1669 – current (North America)  
1933 – current (worldwide)

**Update Frequency**

Every two weeks

**Geographic Coverage**

International

**Document Types**

- Reports
- Books and Monographs
- Conferences, Symposia, Meetings
- Government Documents
- Journal Articles
- Theses and Dissertations

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PUB

Late Ordovician conulariids from Manitoba, Canada

Robson, Sean P ; Young, Graham A . *Journal of Paleontology* 87.5 (September 2013): 775-785.

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AB

Abstract (summary) [Translate](#)

Six species of conulariids, assigned to four genera, were recovered from the type locality of the Cat Head Member of the Red River Formation in southern Manitoba, Canada. These are middle Katian (Late Ordovician) in age. The most abundant conulariid species from this locality, *Conularia porcella*, is new, and is represented by 21 specimens. Additionally, 28 three-dimensionally preserved micromorphic conulariids, assigned to *Eoconularia* aff. *loculata*, were recovered using acetic acid preparation from limestone samples of late Katian (Late Ordovician) age. These samples had been collected from Churchill, northern Manitoba, by the Geological Survey of Canada's J. B. Tyrrell in 1894. These taxa are unusually abundant for conulariids, which are normally represented by only a few specimens from any given locality, and this abundance may be a reflection of the exceptional preservation at these two localities.

SU

Indexing (details) Cite

<b>Subject</b>	Canada; Cat Head; Cat Head Member; Cnidaria; <i>Conularia porcella</i> ; Conulariida; Conulariidae; Ctenocularia; <i>Eoconularia loculata</i> ; exoskeletons; faunal studies; Invertebrata; Katian; Lake Winnipeg; lithostratigraphy; Manitoba; McBeth Point; <i>Metaconularia heymani</i> ; morphology; new taxa; Ordovician; Paleozoic; Red River Formation; Scyphozoa; taxonomy; Upper Ordovician; Western Canada
<b>Latitude &amp; longitude</b>	Latitude: N520800; Longitude: W0973200
<b>Classification</b>	10: Invertebrate paleontology
<b>Title</b>	Late Ordovician conulariids from Manitoba, Canada
<b>Author</b>	Robson, Sean P; Young, Graham A
<b>Affiliation</b>	Manitoba Museum
<b>Language</b>	English
<b>Document type</b>	Analytic, Serial
<b>Document feature</b>	illus. incl. strat. cols., 3 plates, geol. sketch map

LL  
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LA  
DTYPE  
DF

<b>PUB</b>	<b>Publication title</b>	Journal of Paleontology
<b>VO</b>	<b>Volume</b>	87
<b>ISS</b>	<b>Issue</b>	5
<b>PG</b>	<b>Pagination</b>	775-785
<b>PCT</b>	<b>Page count</b>	11
<b>ISSN</b>	<b>ISSN</b>	0022-3360
	<b>Electronic ISSN</b>	1937-2337
<b>CODEN</b>	<b>CODEN</b>	JPALAZ
<b>PB</b>	<b>Publisher</b>	Paleontological Society
<b>PBLOC</b>	<b>Publisher location</b>	Lawrence, KS, United States (USA)
<b>NT</b>	<b>Notes</b>	Includes appendix
<b>DOI</b>	<b>DOI</b>	<a href="http://dx.doi.org/10.1666/12-0370">http://dx.doi.org/10.1666/12-0370</a>
	<b>URL</b>	<a href="http://jpaleontol.geoscienceworld.org/">http://jpaleontol.geoscienceworld.org/</a>
<b>NR</b>	<b>Number of references</b>	62
<b>PD,YR</b>	<b>Publication date</b>	September 2013
<b>DREV</b>	<b>Date revised</b>	2013-01-01
	<b>Accession number</b>	2013-078135
<b>AN</b>	<b>Document URL</b>	<a href="http://search.proquest.com/professional/docview/1438968066?accountid=137296">http://search.proquest.com/professional/docview/1438968066?accountid=137296</a>
	<b>Copyright</b>	GeoRef, Copyright 2013, American Geosciences Institute. Abstract, Copyright, The Paleontological Society   Reference includes data from GeoScienceWorld, Alexandria, VA, United States
<b>FAV</b>	<b>First available</b>	2013-10-03
<b>UD</b>	<b>Updates</b>	2013-10-03
	<b>Database</b>	GeoRef (1693 - current)

## SEARCH FIELDS

Field name	Field code	Example	Description and Notes
Abstract	AB	ab("conulariid species")	Use adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	ordovician AND abany(yes)	Add: <i>AND ABANY(YES)</i> to a query to limit retrieval to records with abstracts.
Accession number	AN	an(2013-078135)	A unique document identification number.
All fields	ALL	all("red river formation")	Searches all fields in bibliographic files. Use adjacency and/or Boolean operators to narrow search results.
All fields + text	--	"red river formation"	Same as ALL field code. Searches all fields in bibliographic files.
Author <sup>1</sup> Author First Name Author Last Name	AU AUFN AULN	au(Young, Graham A.) aufn(graham) auln(young)	Includes all Authors.
First author	FAU	fau(Robson, Sean P)	First name listed in Author field. It is included in Author browse, but its position cannot be specified in the Author browse.
Corporate/institutional author	CA	ca(geological survey PRE/2 canada)	
Author affiliation	AF	af("Manitoba Museum")	
Availability	AV	av("geological survey" N/2 canada)	Displays in Notes field.
Classification <sup>1</sup>	CC	cc(10) cc("Invertebrate paleontology")	Use either Classification codes or names.
CODEN	CODEN	coden(JPALAZ)	
Conference country	CCNT	ccnt(vietnam)	

Field name	Field code	Example	Description and Notes
Conference information	CF	cf(karst regions)	Includes conference name.
Conference title	CFTI	cfti("GEOKARST 2009")	
Conference event start date	ESDT, CDT	esdt(2009-11-12)	
Conference event end date	EVDT	evdt(2009-11-15)	
Conference location	CG	cg(hanoi)	
Country of publication	CP	cp(united kingdom)	Displays in Publisher field.
Date revised	DREV	drev(2013-01-01)	
Document feature	DF	df(geol. sketch map*)	
Document title	TI	ti("Late Ordovician conulariids from Manitoba, Canada")	Includes Title, Alternate Title, Original Title, and Subtitle but not Publication Title (PUB).
Title only	TIO	tio(neue buwal-richtlinie)	Searches only the Title, not Subtitle or Alternate Title.
Alternate title	OTI	oti("mineral construction waste")	Includes Alternate title, Subtitle, and Original-language title if available.
Document type	DTYPE	dtype>Analytic, Serial	
DOI	DOI	doi(10.1666/12-0370)	Digital Object Identifier. Search the portion of the DOI that follows <a href="http://dx.doi.org/">http://dx.doi.org/</a> .
Editor	ED	ed("smith, bernard j")	
First available	FAV	fav(2013-10-03)	Indicates the first time the document was loaded on PQD. It will not change regardless of how many times the record is subsequently reloaded, as long as the Accession Number does not change.
From database <sup>2</sup>	FDB	"oil spill preparedness" AND fdb(georef) "oil spill preparedness" AND fdb(10000030)	Useful in multi-file searches to isolate records from a single file. FDB cannot be searched on its own; specify at least one search term then AND it with FDB.
Format covered	FC	fc(map)	
Holding library	HL	hl(geological survey)	
ISSN	ISSN	issn(0022-3360) issn(00223360)	Hyphens are optional.
Issue	ISS	iss(5)	
Language	LA	la(english)	
Latitude & longitude	LL	ll(N520800)	
Map	MP	mp(topograph*)	
Monograph title	MT	mt("La notion d'espece en paleontologie")	
Notes	NT	nt(photograph*) nt(includes appendix)	"Availability" information displays here.

Field name	Field code	Example	Description and Notes
Number of references	NR	nr(62)	
Page count	PCT	pct(11)	
Pagination	PG	pg(775-785)	The start page is searchable on the Look Up Citation page.
Publication date	PD	pd(201309) pd(2013-09) pd(20100101-20101231)	Date range searching is supported.
Publication title <sup>1</sup>	PUB	pub("journal of paleontology")	
Publication year	YR	yr(2013) yr(2013-2014)	
Publisher	PB	pb(Paleontological Society)	
Publisher location	PBLOC	pbloc(lawrence, KS)	
Report number	RP	rp(of 2011-1022)	Retain exact spacing and hyphens.
Resource location	RL	rl(national)	Searches and displays URL.
Sponsor	SP	sp(geological survey)	Displays in Publisher field.
Subject <sup>1</sup>	SU	su(conulariida) su("faunal studies")	Subject terms may be selected from the online thesaurus.
Update	UD	ud(2013-10-03)	Date revised by AGI.
Volume	VO	vo(87)	

<sup>1</sup> A Lookup/Browse feature is available for this field in the Advanced Search dropdown or in Browse Fields.

<sup>2</sup> Click the "Field codes" hyperlink at the top right of the Advanced Search page. Click "Search syntax and field codes", then click on "FDB command" to get a list of database names and codes that can be searched with FDB.

## SEARCH TOOLS

Field codes are used to search document fields, as shown in the sample document. Field codes may be used in searches entered on the **Basic Search**, **Advanced Search**, and **Command Line** search pages. **Limit options**, **Look up lists**, and **"Narrow results by" filters** tools are available for searching. Some data can be searched using more than one tool.

### LIMIT OPTIONS

Limit options are quick and easy ways of searching certain common concepts. Check boxes are available for:

#### Scholarly journals

Short lists of choices are available for:

#### Document type, Language

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You can browse the contents of certain fields by using Look Up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form. Look Up lists are available in the fields drop-down for:

## Author, Classification, Publication title, Subject

### THESAURUS

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When results of a search are presented, the results display is accompanied by a list of “Narrow results by” options shown on the right-hand panel. Click on any of these options and you will see a ranked list showing the most frequently occurring terms in your results. Click on the term to apply it to (“narrow”) your search results. “Narrow results by” Filters in GeoRef include:

**Scholarly journals, Source type, Publication title, Document type, Subject, Classification, Language, Database, Publication date**

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Document Format	Fields	Online	Export / Download
<b>Brief view</b>	Title and Publication date.	✓	
<b>Detailed view</b>	Same as Brief view plus a 3-line KWIC window.	✓	
<b>KWIC (Keyword in Context)</b>	Detailed view plus all occurrences of your search terms, highlighted within the fields where the terms occur.	✓	✓
<b>Preview</b>	Title, Author, Publication title, Publisher, Volume, Issue, Pagination, Publication date, Abstract, Subject.	✓	
<b>Brief citation</b>	Complete record minus Abstract and Indexing	✓	✓
<b>Citation</b>	Complete record minus Abstract	✓	
<b>Citation / Abstract</b>	Complete record	✓ <sup>3</sup>	✓
<b>Full text PDF</b>	PDF version of the original article	✓ <sup>3</sup>	
<b>Custom</b>	Choose the fields you want.		✓ <sup>4</sup>

<sup>3</sup> In Online-view mode, PQD gives access to two Document Formats only: *Brief citation*, and the ‘most complete’ format available. Depending on the database, or the amount of data available for a record, the most complete format may be any one of *Citation*, *Citation/Abstract*, *Full text*, or *Full text – PDF*.

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