

# **EBSCOhost电子文献**

# **北京邮电大学**

主讲人：

日期：2014年5月20日



Elton

B

Stevens

COmpany

**1944**

EBSCO 创立於 1944 年，目前有超过 40 个事业群，除了大家熟知的数据库与期刊代订服务外，还有房地产、制造业等。

**5,700**

EBSCO 在全球目前有超过 5,700 名员工。

**200**

EBSCO 是美国福布斯 (Forbes) 杂志，排名前 200 大的私人企业。

**5A1**

EBSCO 经美国 Dun & Bradstreet Financial Strength 财务公司评定为财务状况 5A1 等级的公司。

**2010**

EBSCO 被美国 Birmingham Business Alliance 评定为绿色企业。

(Elton B. Stephens Company)

# EBSCO简介

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**EBSCO**数据库是在中国大陆地区有近600家高校订户，北京大学、清华大学、上海交通大学、西安交通大学、北京交通大学、复旦大学、中国人民大学、中国科学院、中国社科院、中国国家图书馆，上海图书馆，浙江图书馆、天津图书馆均为**EBSCO**数据库的用户。



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**EBSCO Academic Search为耶鲁图书馆推荐数据库**

# 数据库介绍

# 主要收录内容

数据库	收录全文出版物数	收录专家评审全文出版物数
<i>Academic Search Premier (ASP)</i>	4,768	4,017
<i>Business Source Premier (BSP)</i>	12,812	1,150

注：BSP数据库中，在收录了商业方面大部分的顶尖期刊外，还收集了商业研究最常使用的行业报告，国家报告，市场研究报告，案例分析，Working Papers等全文出版物



## **ASP + BSP 所收录全文期刊与ISI-WOS的比对**

**Academic Search Premier  
1,600+ (WOS)**

**Business Source Premier  
278 (SSCI) , 300 (EconLit)**

**总结：**

**ASP+BSP共有逾1,800种全文期刊亦同时收录在WOS**

# Academic Search Premier

# *Academic Search Complete Upgrade*

	Full-Text Journals	Full-Text Peer-Reviewed Journals	Active Full-Text Peer-Reviewed Journals
<i>Academic Search Premier</i>	<b>4,768</b>	<b>4,017</b>	<b>3,215</b>
<i>Academic Search Complete</i>	<b>9,102</b>	<b>7,940</b>	<b>6,815</b>
Difference	<b>4,334</b>	<b>3,923</b>	<b>3,600</b>

Compared on May 6, 2013

# Active, Full Text (FT), Peer-Reviewed Journals Compared

	(A) Total # of Full-Text, Peer-Reviewed Journals	(B) Unnaturally Halted Full-Text, Peer-Reviewed Journals	(C) Ceased Naturally or Changed Names (Full-Text, Peer-Reviewed Journals)	(D) Total Active Full-Text, Peer-Reviewed Journals [A - (B+C) = D]
<i>Academic Search Elite</i>	<b>1,868</b>	<b>74</b>	<b>270</b>	<b>1,506</b>
<i>Academic Search Premier</i>	<b>4,017</b>	<b>153</b>	<b>649</b>	<b>3,215</b>
<i>Academic Search Complete</i>	<b>7,940</b>	<b>189</b>	<b>936</b>	<b>6,815</b>

Compared on May 6, 2013

# Academic Search Provides Full Text for Journals Indexed Within Leading Social Sciences & Humanities Databases

(These statistics illustrate the extent of Humanities coverage in each full-text database)

	<i>ATLA Religion</i>	<i>ERIC</i>	<i>Historical Abstracts</i>	<i>MLA International Bibliography</i>	<i>PsycINFO</i>	<i>Social Sciences Citation Index (ISI)</i>
<i>Academic Search Complete (ASC)</i>	<b>344</b>	<b>621</b>	<b>371</b>	<b>886</b>	<b>722</b>	<b>841</b>
<i>Academic Search Premier (ASP)</i>	<b>282</b>	<b>568</b>	<b>338</b>	<b>722</b>	<b>560</b>	<b>704</b>

Compared on May 6, 2013

# Academic Search Provides Full Text for Journals Indexed Within Leading Science Databases

(These statistics illustrate the extent of  
STM coverage in each full-text database)

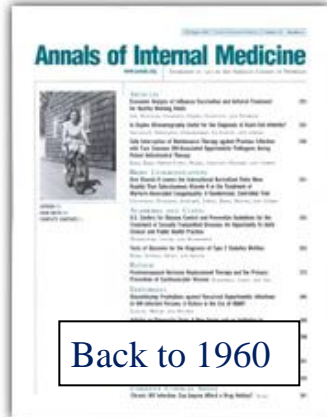
	<i>ISI Science Citation Index</i>	<i>AGRICOLA</i>	<i>Biological Abstracts</i>	<i>CAB Abstracts</i>	<i>Chemical Abstracts</i>	<i>E.I. Compendex</i>	<i>GeoRef</i>	<i>Inspec</i>	<i>SCOPUS</i>
<i>Academic Search Complete</i>	<b>828</b>	<b>417</b>	<b>811</b>	<b>1,483</b>	<b>309</b>	<b>596</b>	<b>485</b>	<b>692</b>	<b>4,757</b>
<i>Academic Search Premier</i>	<b>699</b>	<b>313</b>	<b>561</b>	<b>805</b>	<b>223</b>	<b>384</b>	<b>341</b>	<b>471</b>	<b>3,086</b>

Compared on May 6, 2013

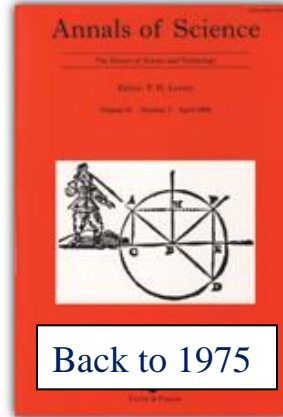
# ASP数据库中研究型期刊回溯情况



Back to 1929



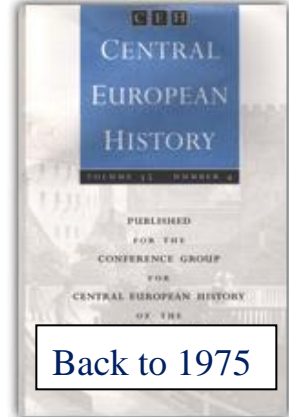
Back to 1960



Back to 1975



Back to 1950



Back to 1975



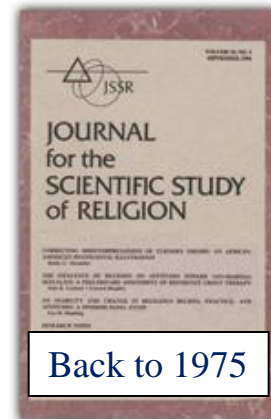
Back to 04/15/1887



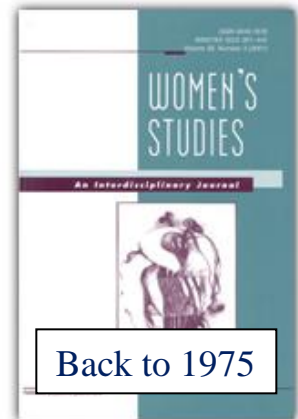
Back to 1945



Back to 1975

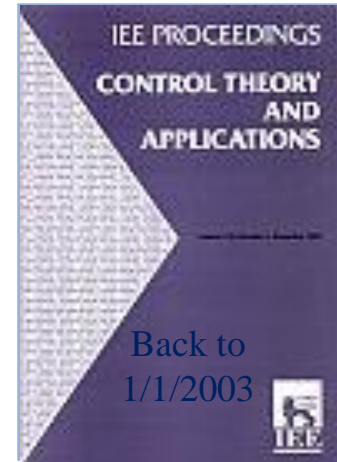
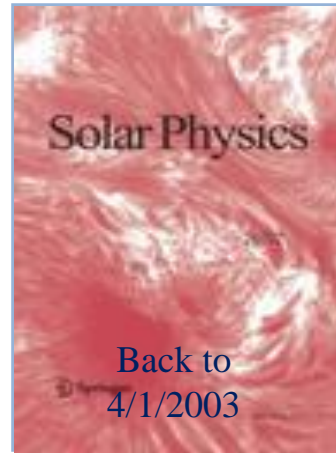
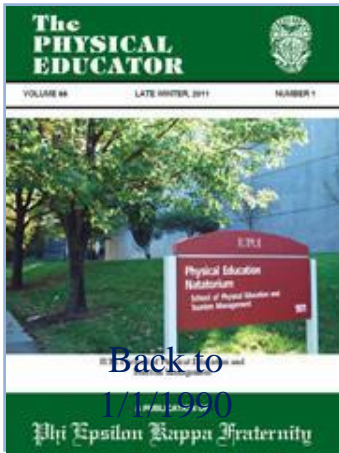


Back to 1975

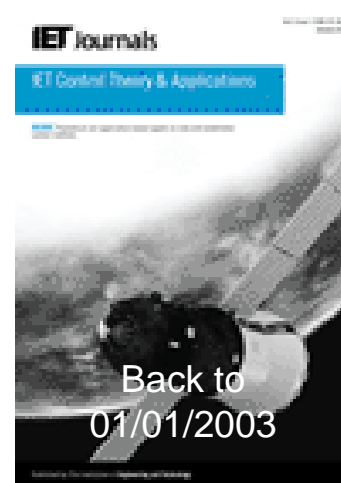
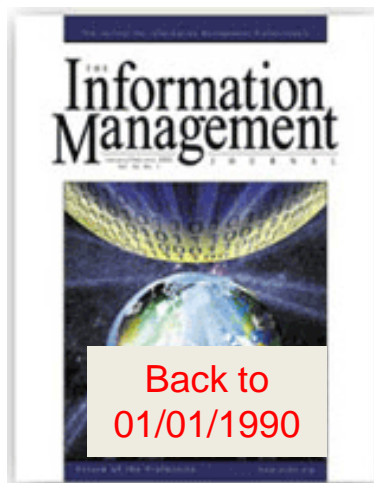
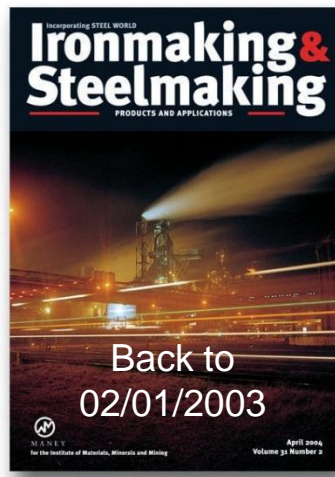
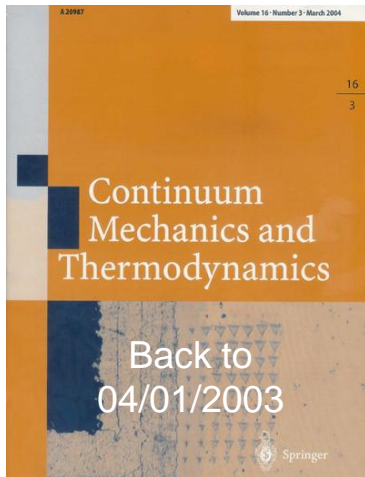


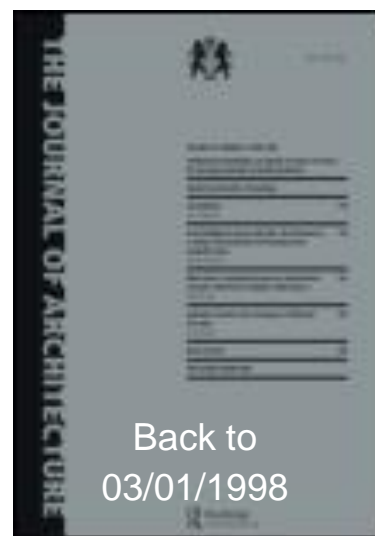
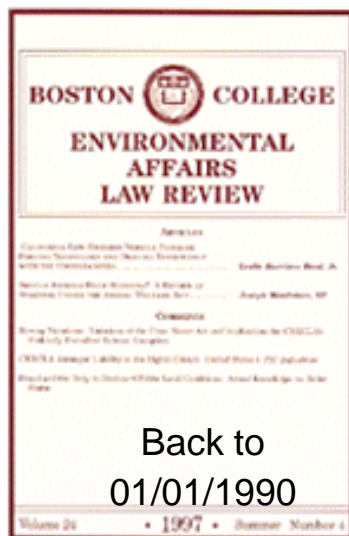
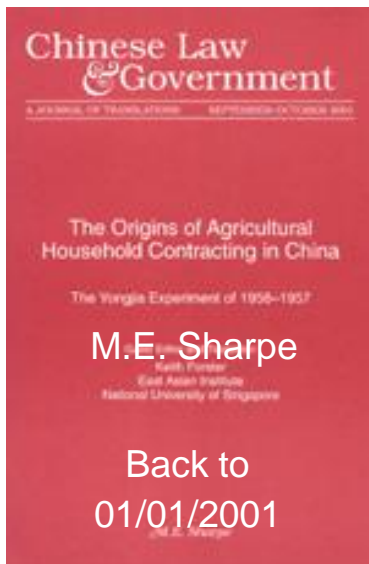
Back to 1975

# ASP数据库中研究型期刊回溯情况

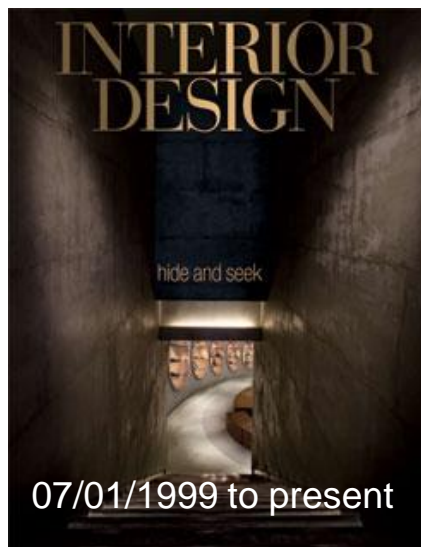






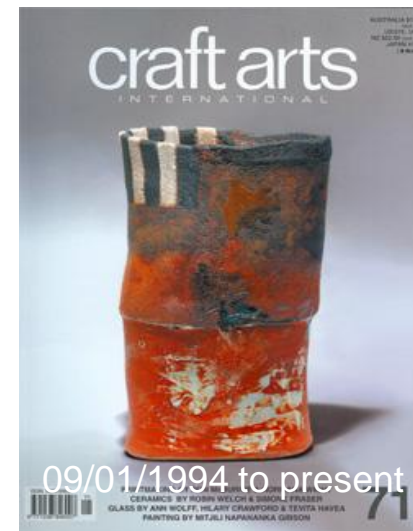


## ASP中收录的艺术设计类期刊回溯情况



American Artist  
Afterimage  
American Visions  
**Art Journal**  
Art Monthly  
Arts & Activities  
**Arts Education Policy Review**  
ArtUS  
**Camera Obscura**  
Craft Arts International  
**Design Issues**  
Graphic Arts Monthly  
Interior Design  
**International Journal of Art & Design Education**  
**International Journal of Image & Graphics**  
**Journal of Aesthetics & Art Criticism**

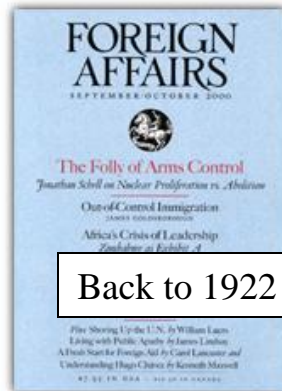
# ASP中收录的艺术设计类期刊回溯情况



## ASP中收录的一些最为普遍的期刊回溯情况



Back to 1975



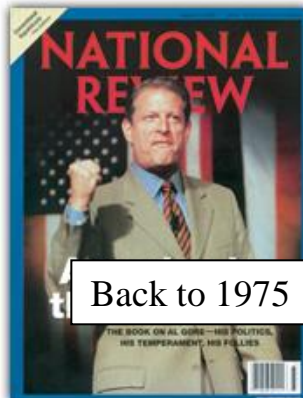
Back to 1922



Back to 1975



Back to 1975



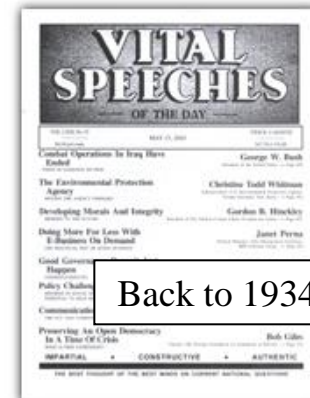
Back to 1975



Back to 1974

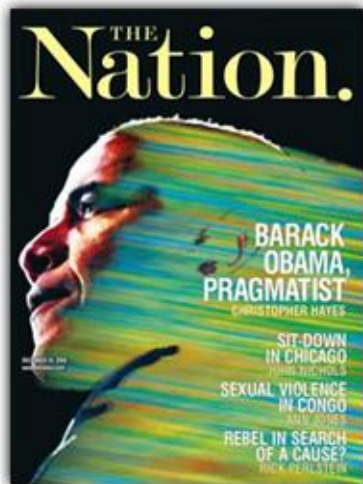


Back to 1897



Back to 1934

# Superior Active Full Text for General Periodicals (for Undergraduate Research)



# Business Source Premier

# Business Source Premier & Business Source Complete Full Text Compared

	<i>Business Source Premier</i>	<i>Business Source Complete</i>	Difference
Author Profiles	0	40,654	40,654
Books & Monographs	44	917	873
Case Studies	6,413	10,082	3,669
Company Information Records	10,151	1,017,651	1,007,500
Conference Papers / Proceedings Collections	6	69	63
Country Economic Reports	1,194	1,447	253
Faculty Seminars (Videos)	0	57	57
Industry Reports	5,656	7,632	1,976
Interviews (Executive & Analyst)	0	8,766	8,766
Market Research Reports	106	2,533	2,427
Peer-Reviewed Journals	1,150	1,998	848
SWOT Analyses	3,555	3,609	54
Trade Journals & General Business Magazines	1,099	1,846	747
Working Papers Collections	2	34	32



# Financial Times Global MBA Rankings 2013

Rank '13	School name	Country	Sal today (\$)
1	Harvard Business School	US	187,432
2	Stanford Graduate School of Business	US	195,553
3	University of Pennsylvania: Wharton	US	186,210
4	London Business School	UK	162,570
5	Columbia Business School	US	179,568
6	Insead	France / Singapore	154,798
7	Iese Business School	Spain	147,495
8	Hong Kong UST Business School	China	132,685
9	MIT: Sloan	US	160,810
10	University of Chicago: Booth	US	164,678

All of the above are *Business Source* customers

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University of Tokyo



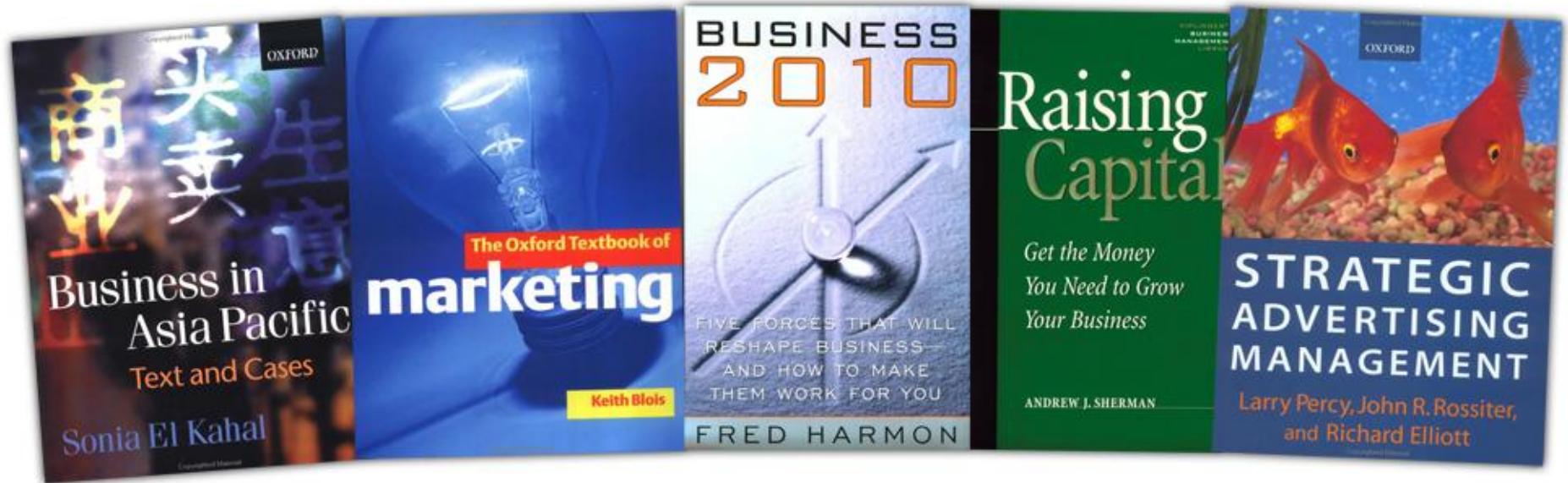
Cologne



Seoul National University

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# Regional Business News

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# Management Journals Ranked

Study by Coe & Weinstock from *Academy of Management Journal*

Rank	Journal Name	EBSCO	Competitor-I	Competitor-II
1	<i>Administrative Science Quarterly</i>	Full Text with NO Embargo	Halted Full Text	Halted Full Text
2	<i>Academy of Management Journal</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
3	<i>Harvard Business Review</i>	Full Text with NO Embargo	NO Full Text	Halted Full Text
4	<i>Management Science</i>	Embargoed Full Text	Embargoed Full Text	Embargoed Full Text
5	<i>Operations Research</i>	Embargoed Full Text	Embargoed Full Text	Embargoed Full Text
6	<i>Academy of Management Review</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
7	<i>Industrial &amp; Labor Relations Review</i>	Full Text with NO Embargo	Halted Full Text	Halted Full Text

Data from January 4, 2013

# Top Marketing Journals in Doctoral Institutions

Study by Hult, Neese and Bashaw from *Journal of Marketing Education*

Rank	Journal Name	EBSCO	Competitor-I	Competitor-II
1	<i>Journal of Marketing</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
2	<i>Journal of Marketing Research (JMR)</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
3	<i>Journal of Consumer Research</i>	Full Text with NO Embargo	NO Full Text	NO Full Text

# Top Marketing Journals in Non-Doctoral Institutions

Study by Hult, Neese and Bashaw from *Journal of Marketing Education*

Rank	Journal Name	EBSCO	Competitor-I	Competitor-II
1	<i>Journal of Marketing</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
2	<i>Journal of Marketing Research (JMR)</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
3	<i>Journal of Consumer Research</i>	Full Text with NO Embargo	NO Full Text	NO Full Text

Data (for both of the above) from January 4, 2013

# MIS Journals Ranked

Mylonopoulos & Theoharakis: <http://www.bus.ucf.edu/csaunders/newjournal.htm>

Rank	Journal Name	EBSCO	Competitor-I	Competitor-II
1	<i>MIS Quarterly</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
2	<i>Communications of the ACM</i>	Full Text with NO Embargo	NO Full Text	Halted Full Text
3	<i>Information Systems Research</i>	Embargoed Full Text	Embargoed Full Text	Embargoed Full Text
4	<i>Journal of Management Information Systems</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text

# Finance Journals Ranked

Study by Mabry & Sharplin, "Conclusions, a Final Ranking of Finance Journals", *The Journal of Financial Research*

Rank	Journal Name	EBSCO	Competitor-I	Competitor-II
1	<i>Journal of Finance</i>	Embargoed Full Text	NO Full Text	NO Full Text
2	<i>Journal of Financial Economics</i>	NO Full Text	NO Full Text	NO Full Text
3	<i>Journal of Financial &amp; Quantitative Analysis</i>	Full Text with NO Embargo	Halted Full Text	NO Full Text
4	<i>Journal of Money, Credit &amp; Banking</i>	Embargoed Full Text	Halted Full Text	Halted Full Text

Data (for both of the above) from January 4, 2013

# Top Accounting Journals

Rank	Journal Name	EBSCO <i>Business Source</i>	Competitor-I	Competitor-II
A	<i>Accounting Review</i>	Full Text, NO Embargo	Full Text, NO Embargo	Halted Full Text
A	<i>Accounting, Organizations &amp; Society</i>	No Full Text	No Full Text	No Full Text
A	<i>Contemporary Accounting Research</i>	Embargoed Full Text	Halted Full Text	No Full Text
A	<i>Journal of Accounting &amp; Economics</i>	No Full Text	No Full Text	No Full Text
A	<i>Journal of Accounting Research</i>	Embargoed Full Text	No Full Text	No Full Text
A	<i>Review of Accounting Studies</i>	No Full Text	Embargoed Full Text	No Full Text
A-	<i>Accounting Horizons</i>	Full Text, NO Embargo	Full Text, NO Embargo	Halted Full Text
A-	<i>Auditing: A Journal of Practice and Theory</i>	Full Text, NO Embargo	Full Text, NO Embargo	Halted Full Text
A-	<i>Behavioral Research in Accounting</i>	Full Text, NO Embargo	Full Text, NO Embargo	Halted Full Text
A-	<i>Journal of Accounting &amp; Public Policy</i>	No Full Text	No Full Text	No Full Text
A-	<i>Journal of Accounting, Auditing &amp; Finance</i>	Full Text, NO Embargo	No Full Text	No Full Text
A-	<i>Journal of Management Accounting Research</i>	Full Text, NO Embargo	Full Text, NO Embargo	Halted Full Text
A-	<i>Journal of the American Taxation Association</i>	Full Text, NO Embargo	Full Text, NO Embargo	Halted Full Text



## 2012 Top Five Academic Business Journals

Rank	Journal Name	Business Source Full Text Coverage	Competitor-I	Competitor-II
1	<i>Academy of Management Journal</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
2	<i>Academy of Management Review</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
3	<i>Strategic Management Journal</i>	Embargoed Full Text	No Ongoing Full Text	No Ongoing Full Text
4	<i>Journal of Marketing Research (JMR)</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
5	<i>Journal of Marketing</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text

Eigenfactor.org Business Journals Ranking (Most Current Ranking as of 25 July 2012)

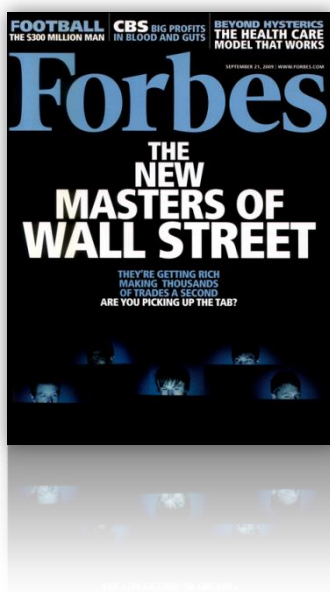
## 2011 Top Five Academic Business Journals

Rank	Journal Name	Business Source Full Text Coverage	Competitor-I	Competitor-II
1	<i>Academy of Management Review</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
2	<i>Academy of Management Journal</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
3	<i>Administrative Science Quarterly</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
4	<i>MIS Quarterly</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
5	<i>Journal of Marketing</i>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text

Eigenfactor.org Business Journals Ranking (Most Current Ranking as of 8 March 2011)

# Top Five General Business Magazines

Magazine Name	Business Source Full Text Coverage	Competitor-I	Business Insights: Essentials Full Text Coverage
<b>Bloomberg Businessweek</b>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
<b>Forbes</b>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
<b>Fortune</b>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
<b>Harvard Business Review</b>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text
<b>Money</b>	Active Full Text, NO Embargo	No Ongoing Full Text	No Ongoing Full Text



## Newspaper Source: 报纸全文

- 收录近逾400种各类报刊传媒(涵盖美国各州报纸、国际各大报如Christian Science Monitor, U.S.A Today, The Washington Post等)全文及The New York Times and The Wall Street Journal - Eastern Edition索摘。

# Full Text Newspapers

Cover to Cover Full Text for 5 National (U.S.) & 20 International Newspapers, including:

**THE TIMES**

**EGYPT TODAY**

**Bangkok Post**

**The Jakarta Post**

**THE AUSTRALIAN**  
Australia's national daily newspaper



**TORONTO STAR**

**The Washington Times**

**San Francisco Chronicle**

**The St Petersburg Times**

**The Moscow Times**

# Full Text Newspapers

Selected Full Text from 225 Regional U.S. Newspapers, including:



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of the Americas

## European Views of the Americas: 1493 to 1750

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VIII . ESTAMPE. 023.

IX . ESTAMPE. 025.

Illustrations

**II . ESTAMPE.**

*La Chine qui a ses fables comme notre continent, et a qui ces fables servent d'histoire ancienne, assure que la naissance de Confucius fut honorée de plusieurs Prodiges représentés dans cette Estampe et dans quelques-unes des suivantes. On voit ici la Mere de Confucius nommée Yen-Ché qui va se saisir du Ki-Lin, espece de Quadrupède merveilleux et de bon augure, consacré par une Tradition fabuleuse. Cet animal, dont les apparitions sont très rares, se montra tout à coup dans les Jardins de Chou-Liang-Ho, Père de Confucius, sans qu'on put deviner comment il s'y étoit introduit. Le Ki-Lin tenoit dans sa gueule une pierre de Yu sur laquelle étoit gravée l'inscription suivante: « un Enfant pur comme le Crystal naîtra sur le déclin des T'cheou, il sera Roi mais sans aucun Domaine ». Frappée de ce Prodige, Yen-Ché, déjà fort avancée dans sa grossesse, va au devant de l'Animal qui ne s'effarouche point à son approche, elle le suit, l'attache avec son mouchoir, et court*

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By: Buchanan, Claudius; Horne, Melvill.; Kerr, Richard Hall. *Works of the Rev. Claudius Buchanan, L.L.D.*. 1812, p1-416. 416p. 7 Charts.

The book "The Works of the Rev. Claudius Buchanan, L.L.D., Comprising His Christian Researches in Asia, His Memoir on the Expediency of an Ecclesiastical Establishment for British India, and His ...  
 Subjects: INDIA; ASIA; BUCHANAN, Claudius; MISSIONS -- India; ASIA -- Church history

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**Sermons on Our Duty Towards God, Our Neighbour & Ourselves.**

By: Stevens, Robert; STEVENS, ROBERT. *Sermons on Our Duty Towards God, Our Neighbour & Ourselves*. 1814, p1-481. 481p. Historical Period: 1814.

The book "Sermons on Our Duty Towards God, Our Neighbor and Ourselves; and on Other Subjects;" by Robert Stevens, published in 1814 by John Booth, is presented. In it a series of sermons is provi...

Subjects: STEVENS, Robert; SERMONS, English -- 19th century; DUTY; CHRISTIAN ethics; CHRISTIAN life; LOVE -- Religious aspects -- Christianity

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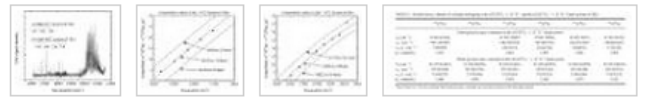
By: Krechkivska, Olha; Morse, Michael D.; Kalemos, Apostolos; Mavridis, Aristides. *Journal of Chemical Physics*. 8/7/2012, Vol. 137 Issue 5, p054302. 12p. 4 Charts, 6 Graphs. DOI: 10.1063/1.4738958.

Diatomic TiFe, a 12 valence electron molecule that is isoelectronic with Cr2, has been spectroscopically investigated for the first time. In addition, the first computational study that includes ...

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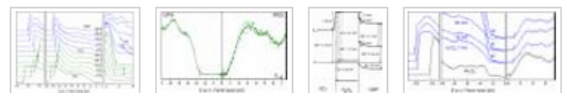
By: Meyer, J.; Zilberberg, K.; Riedl, T.; Kahn, A. *Journal of Applied Physics*. Aug2011, Vol. 110 Issue 3, p033710. 5p. DOI: 10.1063/1.3611392.

The **electronic** structure of Vanadium pentoxide (V2O5), a transition metal oxide with an exceedingly large work function of 7.0 eV, is studied via ultraviolet, inverse and x-ray photoemission spec...

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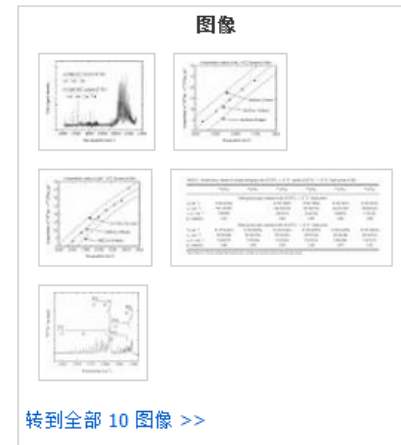
作者: [Krechivska, Olha](#)<sup>1</sup>  
[Morse, Michael D.](#)<sup>1</sup>  
[Kalemos, Apostolos](#)<sup>2</sup>  
[Mavridis, Aristides](#)<sup>2</sup>

来源: *Journal of Chemical Physics*. 8/7/2012, Vol. 137 Issue 5, p054302. 12p. 4 Charts, 6 Graphs.

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主题语: \***ELECTRONIC** structure  
 \***ELECTRONIC** spectra  
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**摘要:** Diatomic TiFe, a 12 valence electron molecule that is isoelectronic with Cr<sub>2</sub>, has been spectroscopically investigated for the first time. In addition, the first computational study that includes the ground and excited **electronic** states is reported. Like Cr<sub>2</sub>, TiFe has a 1Σ<sup>+</sup> ground state that is dominated by the 1σ<sub>2</sub> 2σ<sub>2</sub> 1n<sub>4</sub> 1δ<sub>4</sub> configuration. Rotationally resolved spectroscopy has established a ground state bond length of 1.7024(3) Å, quite similar to that found for Cr<sub>2</sub> (r<sub>0</sub> = 1.6858 Å). Evidently, TiFe exhibits a high degree of multiple bonding. The vibronic spectrum is highly congested and intense to the blue of 20 000 cm<sup>-1</sup>, while two extremely weak band systems, the [15.9]3Π<sub>1</sub> ← X 1Σ<sup>+</sup> and [16.2]3Π<sub>0</sub><sup>+</sup> ← X 1Σ<sup>+</sup> systems, are found in the 16 000-18 500 cm<sup>-1</sup> region. The bond lengths, obtained by inversion of the Be' values, and vibrational frequencies of the two upper states are nearly identical: 1.886 Å and 344 cm<sup>-1</sup> for [15.9]3Π<sub>1</sub> and 1.884 Å and 349 cm<sup>-1</sup> for [16.2]3Π<sub>0</sub><sup>+</sup>. The measured spin-orbit splitting of the 3Π state is consistent with its assignment to the 1σ<sub>2</sub> 2σ<sub>2</sub> 1n<sub>4</sub> 1δ<sub>3</sub> 2n<sub>1</sub> configuration, as is also found in the ab initio calculations.[ABSTRACT FROM AUTHOR]



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Morse, Michael D.<sup>1</sup>  
Kalemos, Apostolos<sup>2</sup>  
Mavridis, Aristides<sup>2</sup>

来源: Journal of Chemical Physics. 8/7/2012, Vol. 137 Issue 5, p054302. 12p. 4 Charts, 6 Graphs.

文献类型: Article

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\*ELECTRONIC spectra  
\*TITANIUM compounds  
\*FERRITES (Magnetic materials)  
\*CONDUCTION electrons  
\*SPECTRUM analysis

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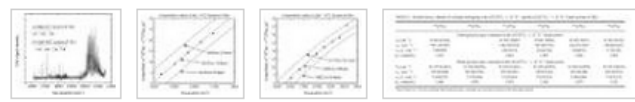
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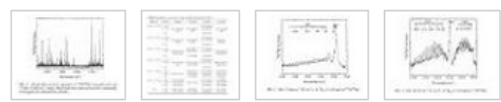
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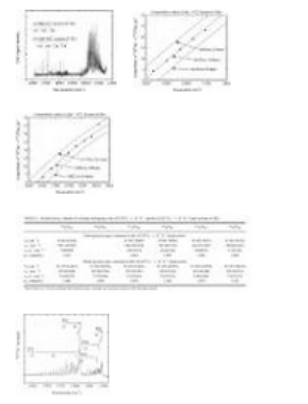
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### Electronic spectroscopy and electronic structure of diatomic TiFe

Olha Krechkivska,<sup>1</sup> Michael D. Morse,<sup>1,(a)</sup> Apostolos Kalemos,<sup>2</sup> and Aristides Mavridis<sup>2</sup>  
<sup>1</sup>Department of Chemistry, University of Utah, Salt Lake City, Utah 84112, USA  
<sup>2</sup>Department of Chemistry, Laboratory of Physical Chemistry, National and Kapodistrian University of Athens, Athens 157 71, Greece

(Received 16 May 2012; accepted 10 July 2012; published online 1 August 2012)

Diatomic TiFe, a 12 valence electron molecule that is isoelectronic with Cr<sub>2</sub>, has been spectroscopically investigated for the first time. In addition, the first computational study that includes the ground and excited electronic states is reported. Like Cr<sub>2</sub>, TiFe has a <sup>1</sup>Σ<sup>+</sup> ground state that is dominated by the 1σ<sup>2</sup> 2σ<sup>2</sup> 1π<sup>4</sup> 1δ<sup>4</sup> configuration. Rotationally resolved spectroscopy has established a ground state bond length of 1.7024(3) Å, quite similar to that found for Cr<sub>2</sub> (r<sub>0</sub> = 1.6858 Å). Evidently, TiFe exhibits a high degree of multiple bonding. The vibronic spectrum is highly congested and intense to the blue of 20000 cm<sup>-1</sup>, while two extremely weak band systems, the [15.9]<sup>3</sup>Π<sub>1</sub> ← X <sup>1</sup>Σ<sup>+</sup> and [16.2]<sup>3</sup>Π<sub>0+</sub> ← X <sup>1</sup>Σ<sup>+</sup> systems, are found in the 16 000–18 500 cm<sup>-1</sup> region. The bond lengths, obtained by inversion of the B<sub>e</sub>' values, and vibrational frequencies of the two upper states are nearly identical: 1.886 Å and 344 cm<sup>-1</sup> for [15.9]<sup>3</sup>Π<sub>1</sub> and 1.884 Å and 349 cm<sup>-1</sup> for [16.2]<sup>3</sup>Π<sub>0+</sub>. The measured spin-orbit splitting of the <sup>3</sup>Π state is consistent with its assignment to the 1σ<sup>2</sup> 2σ<sup>2</sup> 1π<sup>4</sup> 1δ<sup>3</sup> 2π<sup>1</sup> configuration, as is also found in the *ab initio* calculations. © 2012 American Institute of Physics. [<http://dx.doi.org/10.1063/1.4738958>]

#### I. INTRODUCTION

Among the diatomic transition metals, Cr<sub>2</sub> occupies a position of particular prominence because of early controversies concerning its ground state potential curve, especially as regards the bond length. With ground state atoms having configurations of 3d<sup>5</sup> 4s<sup>1</sup>, <sup>7</sup>S, it is possible in principle to spin-pair all 12 valence electrons in Cr<sub>2</sub>, placing them in sσ<sub>g</sub>, dσ<sub>g</sub>, dπ<sub>u</sub>, and dδ<sub>g</sub> bonding orbitals to form a tightly bound diatomic molecule with a nominal sextuple bond. This intriguing possibility has sparked a large experimental and computational effort.

On the experimental side, the first spectrum of Cr<sub>2</sub> was obtained in 1974 in a transient absorption study of the products formed in a flash photolysis experiment on gaseous Cr(CO)<sub>6</sub>.<sup>1</sup> The spectrum was assigned to a <sup>1</sup>Σ<sub>u</sub><sup>+</sup> ← X <sup>1</sup>Σ<sub>g</sub><sup>+</sup> transition in diatomic Cr<sub>2</sub>, for which a bond length of 1.71 Å was found. However, the possibility that the carrier of the spectrum might be linear CrO<sub>2</sub> or CrC<sub>2</sub> was not rigorously excluded. Subsequently, the molecule was investigated by matrix isolation absorption and emission<sup>2-4</sup> and Raman spectroscopy,<sup>5-7</sup> and by laser-induced fluorescence<sup>8,9</sup> and resonant two-photon ionization spectroscopy<sup>10</sup> in jet-cooled molecular beams. While these results have shown that the <sup>1</sup>Σ<sub>g</sub><sup>+</sup> ground state of Cr<sub>2</sub> has a short bond length with r<sub>e</sub> = 1.6788 Å,<sup>8</sup> details of the shape of the potential energy surface did not emerge until the photoelectron spectrum of mass-selected Cr<sub>2</sub><sup>-</sup> was measured in 1991. This study revealed a tight potential curve near the bottom of the well that came

true dissociation limit at even longer distances as the s-orbital bond is broken.<sup>11</sup>

Computational chemistry has found Cr<sub>2</sub> to be very challenging, owing to the large exchange effects that result from the small size of the 3d<sup>5</sup> subshell and the high degree of electron correlation in the molecule. An early MCSCF calculation found Cr<sub>2</sub> to have a bond length of 3.06 Å dominated by s-orbital bonding,<sup>12</sup> while a subsequent calculation on the isovalent Mo<sub>2</sub> found a double minimum, in which the molecule could exist in either a long-bonded form dominated by s-orbital bonding or as a short-bonded form in a deeper d-bonded well.<sup>13</sup> This led to the speculation that Cr<sub>2</sub> might exhibit a double-minimum potential curve in the ground state, prompting the photoelectron study mentioned above. As a result of the computational difficulties inherent in a study of Cr<sub>2</sub>, it has become a standard test molecule for all newly developed electronic structure methods.<sup>14-53</sup>

It is interesting to consider how the electronic structure of Cr<sub>2</sub> may change, as one proceeds along an isoelectronic sequence that redistributes charge from one nucleus to the other. We may define our position on this isoelectronic sequence in terms of the nuclear charge asymmetry, defined by ΔZ = |Z<sub>A</sub> - Z<sub>B</sub>|. It is now known that Cr<sub>2</sub> (ΔZ = 0) has a very short bond with a high degree of multiple bonding character. How does this change in moving to VMn (ΔZ = 2), TiFe (ΔZ = 4), ScCo (ΔZ = 6), CaNi (ΔZ = 8), KCu (ΔZ = 10), and ArZn (ΔZ = 12)? Does the bond strength decrease and the bond length increase smoothly as one moves

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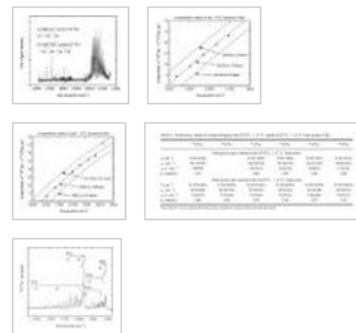
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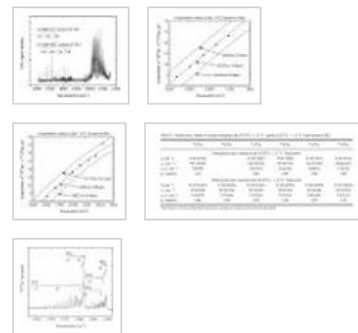
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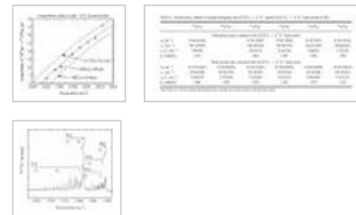
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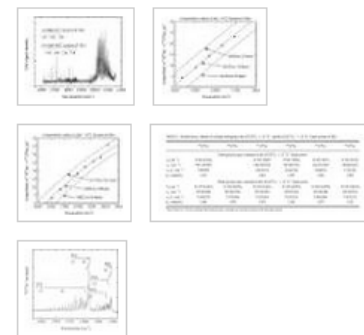
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[Morse, Michael D.](#)<sup>1</sup>  
[Kalemos, Apostolos](#)<sup>2</sup>  
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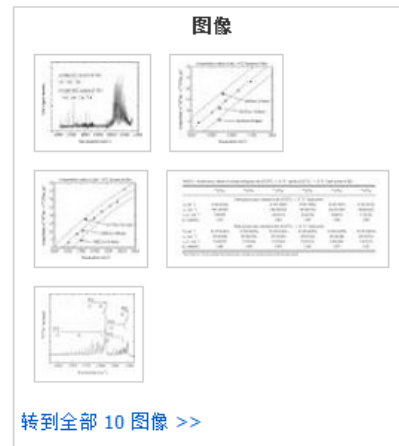
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**摘要:** Diatomic TiFe, a 12 valence electron molecule that is isoelectronic with Cr<sub>2</sub>, has been spectroscopically investigated for the first time. In addition, the first computational study that includes the ground and excited **electronic** states is reported. Like Cr<sub>2</sub>, TiFe has a 1Σ<sup>+</sup> ground state that is dominated by the 1σ<sub>g</sub> 2σ<sub>g</sub> 1π<sub>g</sub> 1δ<sub>g</sub> configuration. Rotationally resolved spectroscopy has established a ground state bond length of 1.7024(3) Å, quite similar to that found for Cr<sub>2</sub> (r<sub>0</sub> = 1.6858 Å). Evidently, TiFe exhibits a high degree of multiple bonding. The vibronic spectrum is highly congested and intense to the blue of 20 000 cm<sup>-1</sup>, while two extremely weak band systems, the [15.9]3Π<sub>1</sub> ← X 1Σ<sup>+</sup> and [16.2]3Π<sub>0</sub><sup>+</sup> ← X 1Σ<sup>+</sup> systems, are found in the 16 000-18 500 cm<sup>-1</sup> region. The bond lengths, obtained by inversion of the Be' values, and vibrational frequencies of the two upper states are nearly identical: 1.886 Å and 344 cm<sup>-1</sup> for [15.9]3Π<sub>1</sub> and 1.884 Å and 349 cm<sup>-1</sup> for [16.2]3Π<sub>0</sub><sup>+</sup>. The measured spin-orbit splitting of the 3Π state is consistent with its assignment to the 1σ<sub>g</sub> 2σ<sub>g</sub> 1π<sub>g</sub> 1δ<sub>g</sub> 2π<sub>g</sub> configuration, as is also found in the ab initio calculations.[ABSTRACT FROM AUTHOR]

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## Electronic spectroscopy and **electronic** structure of diatomic TiFe.

作者: Krechkivska, Olha<sup>1</sup>  
Morse, Michael D.<sup>1</sup>  
Kalemos, Apostolos<sup>2</sup>  
Mavridis, Aristides<sup>2</sup>

来源: Journal of Chemical Physics. 8/7/2012, Vol. 137 Issue 5, p054302. 12p. 4 Charts, 6 Graphs.

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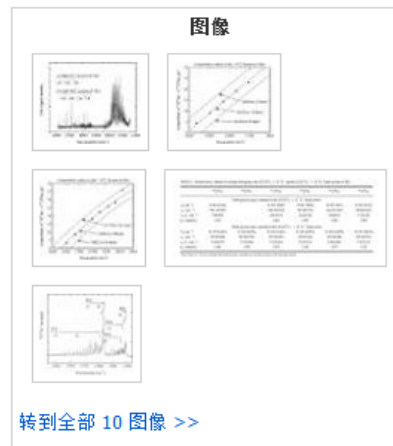
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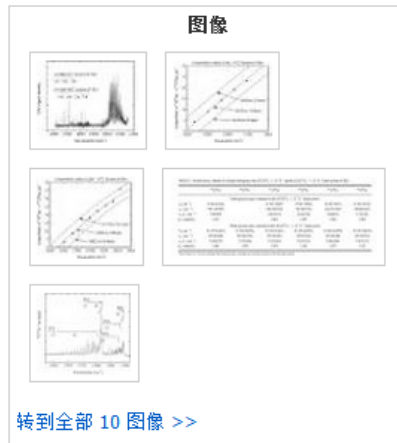
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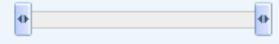
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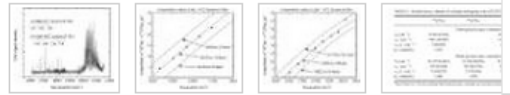
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We have investigated the electronic structure and electronic properties of the diatomic TiFe, a 12 valence electron molecule that is investigated for the first time. In addition, the first computational study of the electronic structure of TiFe is reported. The electronic structure is investigated for the first time. In addition, the first computational study of the electronic structure of TiFe is reported. The electronic structure is investigated for the first time. In addition, the first computational study of the electronic structure of TiFe is reported.

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We have performed an ab initio total energy investigation of the electronic and structural properties of nitrogen adsorbed Nb(100) surface, N/Nb(100). We find an energetic preference for the nitrogen adsorption on the Nb(100) surface. The electronic structure is investigated for the first time. In addition, the first computational study of the electronic structure of Nb(100) is reported.

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By: Meyer, J.; Zilberberg, K.; Riedl, T.; Kahn, A. *Journal of Applied Physics*. Aug2011, Vol. 110 Issue 3, p033710. 5p. DOI: 10.1063/1.3611392.

We have investigated the electronic structure of vanadium pentoxide (V<sub>2</sub>O<sub>5</sub>) using first-principles calculations. The electronic structure is investigated for the first time. In addition, the first computational study of the electronic structure of V<sub>2</sub>O<sub>5</sub> is reported.

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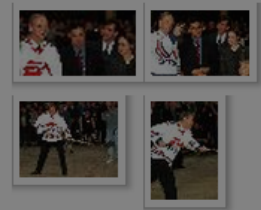
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# HARVARD BUSINESS REVIEW

OCTOBER 1922



VOLUME 1 NUMBER 1

## ESSENTIAL GROUNDWORK FOR A BROAD EXECUTIVE THEORY

By WALLACE B. DONHAM

*"The gipsy in Asia Minor makes iron nails one at a time with a hammer on an anvil, just as his ancestors did before him for hundreds of years. I have seen him doing it; but I also observed that his small children were stark naked and that his larger ones had only one garment . . . . In industry and commerce all things are become new."*

CHARLES W. ELIOT

**U**NLESS we admit that rules of thumb, the limited experience of the executives in each individual business, and the general sentiment of the street, are the sole possible guides for executive decisions of major importance, it is pertinent to inquire how the representative practises of business men generally may be made available as a broader foundation for such decisions, and how a proper theory of business is to be obtained. The theory of business, to meet the need, must develop to such a point that the executive, who will make the necessary effort, may learn effectively from the experiences of others in the past what to avoid and how to act under the conditions of the present. Otherwise, business will continue unsystematic, haphazard, and for many men a pathetic gamble, with the failures of each serious business depression made up largely of the best moral risks.

No amount of theory can be a substitute for energy, enthusiasm, initiative, creative ability, and personality, nor will it take the place of technical knowledge. Now, however, all of these personal qualities may be coupled with an adequate technical equipment, and yet the executive of wide experience may fail through our inability to grasp the broad underlying forces controlling business, a knowledge of which would give a sound basis for judgment. It is a serious criticism of our business structure that it so long lacked an adequate method by which these broad forces may be appraised, their probable course charted, and their applications to individual executive problems made reasonably clear.

### *The Importance of Business Precedent*

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**摘要:** **Qinghai** or Tsinghai (both: chīng'hi'), province (1990 pop. 4,510,000), c.279,000 sq mi (722,797 sq km), W China. Xining is the capital. **Qinghai** lies in the Tibetan highlands at an average elevation of 9,800 ft (3,000 m) and is mainly a high, desolate plateau. The central region has the vast, swampy Qaidam [Mongolian,=salt marshes] basin, and in the northeast there is the large **Qinghai** Hu or Koko Nor [Chinese and Mongolian,=blue sea] salt lake for which the province is named; it is the largest lake in China. In the precipitous mountain gorges of the south rise some of E Asia's greatest rivers; the Huang He (Yellow), the Chang, and the Mekong. The chief economic area and the most densely settled part of the province is in the NE around Xining; there coal is mined and grain and potatoes are grown. Extensive irrigation and the use of early-ripening spring wheat increased production in the late 20th cent. Ethnic Chinese (from China proper) and Chinese Muslims predominate in this region. The south is inhabited by Tibetans who live a precarious existence based on stock herding and marginal farming. Stock breeding is also important; **Qinghai** horses are world famous. The Qaidam basin was once peopled only by a scattered population of Tibetan, Kazakh, and Mongol herders, but from the 1950s to the 1970s there was an influx of Chinese to work in the mineral extraction industries there (oil, iron ore, salt, lithium, boron, zinc, potash, magnesium, and lead). Salt is so abundant that it is used for building blocks and for road pavement. Heavy industry, utilizing the province's store of mineral resources, has increased steadily since the 1950s. Thousands of miles of highways have been constructed to link Xining and the Qaidam basin with adjoining provinces; there are rail links between Xining and Lanzhou, in Gansu prov., and Lhasa, in Tibet. Historically a part of Tibet, the **Qinghai** region passed to the Mongol overlords of China in the 14th cent., when it became part of Gansu. It came under Chinese (Ch'ing dynasty) control after 1724 and was administered from Xining as the Koko Nor territory. Over the centuries Chinese settlers have proceeded up the Xining and Huang He rivers from Lanzhou, penetrating deeply into ethnic Tibetan territory in the northeast. In 1928, **Qinghai** became a province of China. The Communist government established autonomous districts for the Tibetan, Chinese Muslim, Kazakh, and Mongol minorities. The noted Kumbum stupa is SW of Xining.[ABSTRACT FROM PUBLISHER]

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## 青海

**青海**或到**青海**寻找(两个:hi ching"),省(2010弹出。 5626722),C0平方英里(722平方公里)、w中国。 **西宁**是资本。 **青海**是一个在西藏高原的平均海拔9800英尺(3000米),主要是高、荒凉高原。 中部地区有巨大的、沼泽 **柴达木** [蒙古,=盐沼地]流域,在东北有大里 **青海湖**或不[Koko中国和蒙古,=蓝色的大海]盐湖城的省被命名为;它是中国最大的湖。 在险峻的山峡南上升的一些E亚洲最大河流,黄河(黄色)、张和湄公河。

首席经济区和人口密度最大的一部分解决该省的ne在西宁市周围;煤炭是雷区和谷物和马铃薯的种植。 广泛灌溉和使用早期成熟春小麦产量增加20%。 华人(中国)和中国穆斯林在这一地区占主导地位。 南方人居住的藏人生活在危险的条件根据库存放牧和耕作边际。 畜牧也很重要;**青海**马世界闻名。 柴达木盆地的记忆是一次只能由一个分散的居民藏、哈萨克和蒙古牧民,但从1950年代到1970年代有一个涌入中国的工作,在矿产开采业(石油、铁矿砂、盐、锂、硼、锌、钾、镁和铅)。 盐是如此丰富,它是用于构建块和路面。 重化工业,利用该省的存储的矿物资源,稳步增加自1950s。 成千上万英里长的高速公路已建成,链接西宁和柴达木盆地与毗邻省;有滑轨之间链接西宁和兰州,甘肃省,和拉萨,在西藏。 雍和宫的指出kumbum SW的西宁。

在历史上的一部分西藏、青海地区传递到蒙古统治者手中的中国的14%,当它成为甘肃的一部分。 它是根据中国(清朝)控制1724后,由西宁市的Koko的领土也没有。 几个世纪以来,对中国移民已经开始了西宁市和黄河河流从兰州、穿透深感到藏族地区在内的东北。 在1928,**青海**成为中国的一个省。 中国共产党的成立了自治区政府对西藏,中国穆斯林、哈萨克、蒙古和少数群体。 在2010的地震造成了严重的破坏,部分S**青海**;一些2700人死亡。

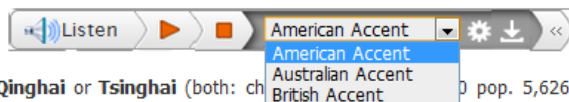
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## Qinghai



**Qinghai** or **Tsinghai** (both: chīnghāi) pop. 5,626,722, c.279,000 sq mi (722,797sq km), W China. **Xining** is the capital. **Qinghai** lies in the Tibetan highlands at an average elevation of 9,800 ft (3,000 m) and is mainly a high, desolate plateau. The central region has the vast, swampy **Qaidam** [Mongolian,=salt marshes] basin, and in the northeast there is the large **Qinghai Hu** or Koko Nor [Chinese and Mongolian,=blue sea] salt lake for which the province is named; it is the largest lake in China. In the precipitous mountain gorges of the south rise some of E Asia's greatest rivers; the Huang He (Yellow), the Chang, and the Mekong.

The chief economic area and the most densely settled part of the province is in the NE around Xining; there coal is mined and grain and potatoes are grown. Extensive irrigation and the use of early-ripening spring wheat increased production in the late 20th cent. Ethnic Chinese (from China proper) and Chinese Muslims predominate in this region. The south is inhabited by Tibetans who live a precarious existence based on stock herding and marginal farming. Stock breeding is also important; **Qinghai** horses are world famous. The Qaidam basin was once peopled only by a scattered population of Tibetan, Kazakh, and Mongol herders, but from the 1950s to the 1970s there was an influx of Chinese to work in the mineral extraction industries there (oil, iron ore, salt, lithium, boron, zinc, potash, magnesium, and lead). Salt is so abundant that it is used for building blocks and for road pavement. Heavy industry, utilizing the province's store of mineral resources, has increased steadily since the 1950s. Thousands of miles of highways have been constructed to link Xining and the Qaidam basin with adjoining provinces; there are rail links between Xining and Lanzhou, in Gansu prov., and Lhasa, in Tibet. The noted **Kumbum** lamasery is SW of Xining.

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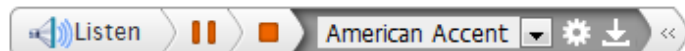
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Qinghai (pop. 5,626,722), c.279,000 sq mi (722,797sq km), W China. **Xining** is the capital. **Qinghai** lies in the Tibetan high plateau, in the Mongolian,=salt marshes] basin, and in the northeast there is the large **Qinghai Hu** or Koko Nor [Chinese and Mongolian]. It has some of E Asia's greatest rivers; the Huang He (Yellow), the Chang, and the Mekong. The province is in the NE around Xining; there coal is mined and grain and potatoes are grown. Extensive irrigation. Muslims predominate in this region. The south is inhabited by Tibetans who live a precarious existence based on agriculture, led only by a scattered population of Tibetan, Kazakh, and Mongol herders, but from the 1950s to the 1970s (China's lead). Salt is so abundant that it is used for building blocks and for road pavement. Heavy industry, utilizing iron and steel, link Xining and the Qaidam basin with adjoining provinces; there are rail links between Xining and Lanzhou, in G

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## Qinghai



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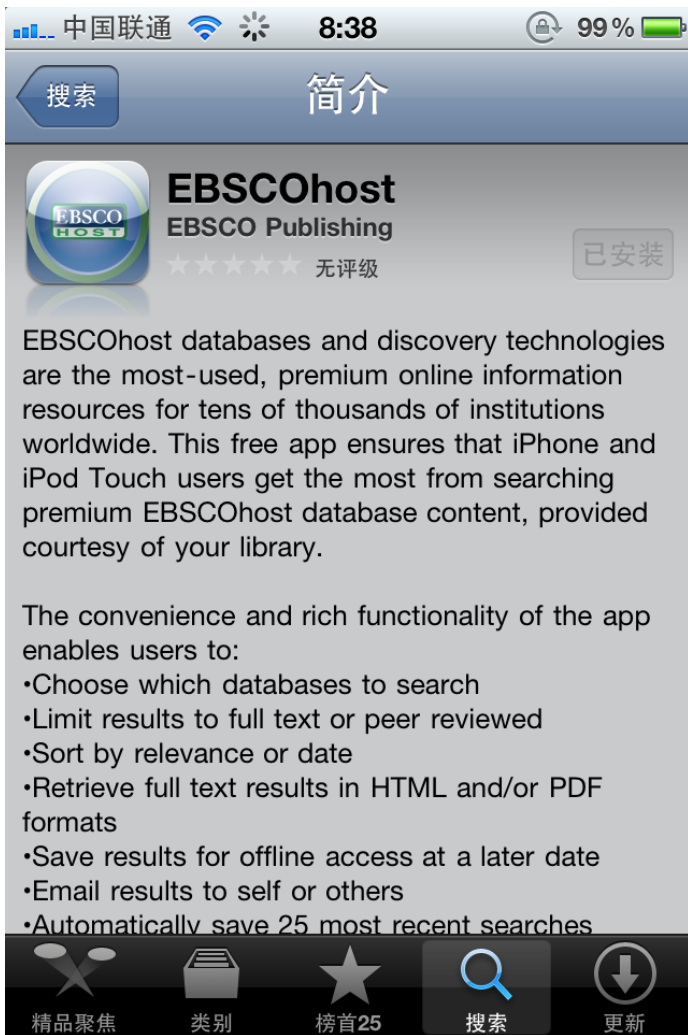
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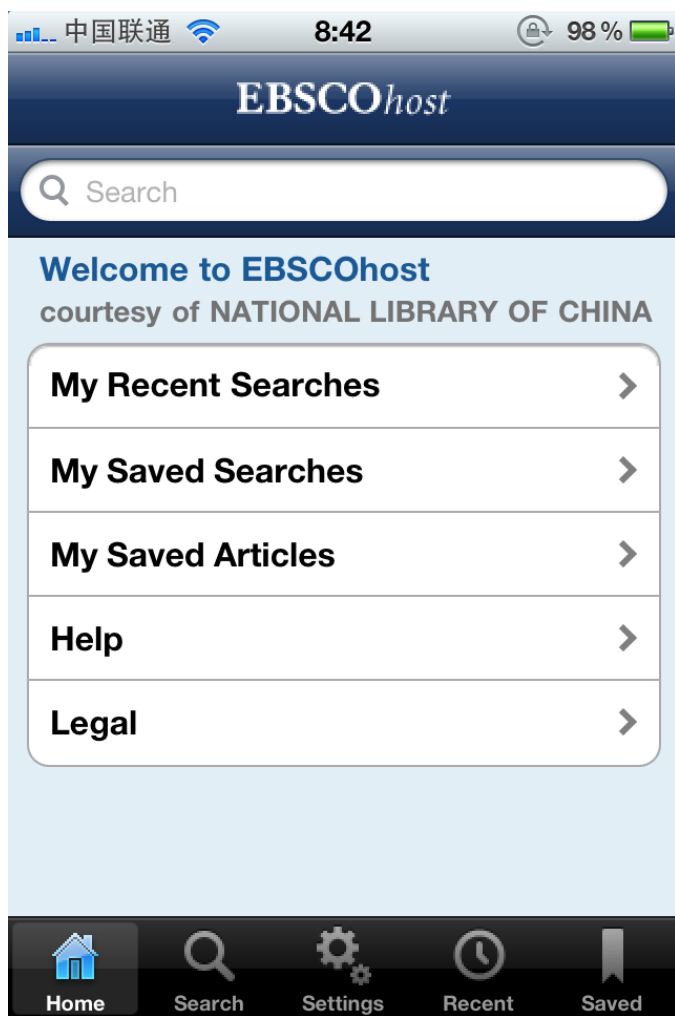
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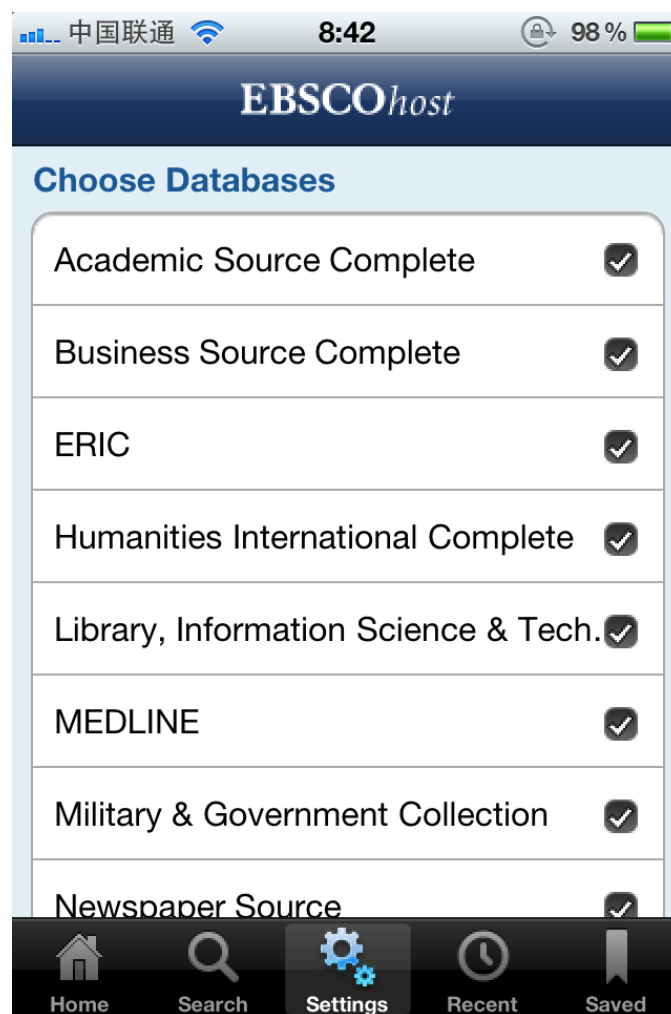
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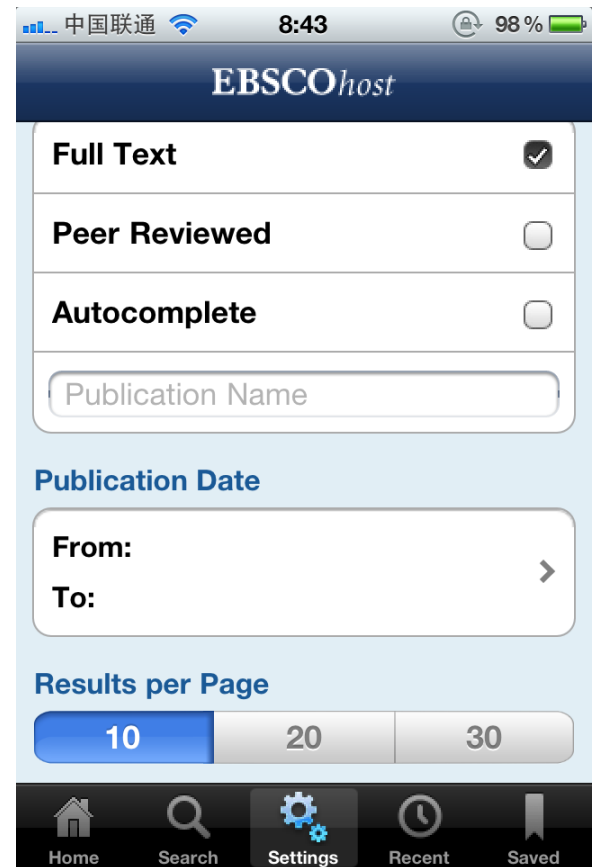
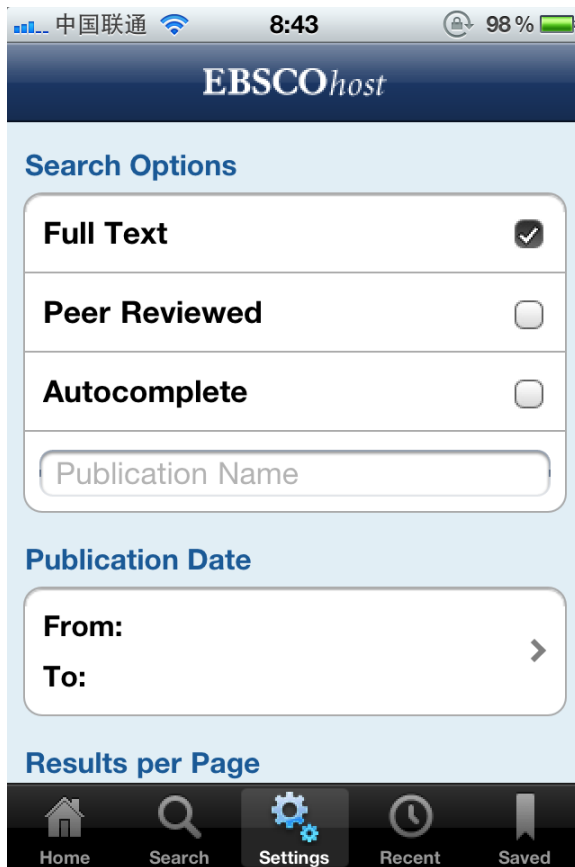
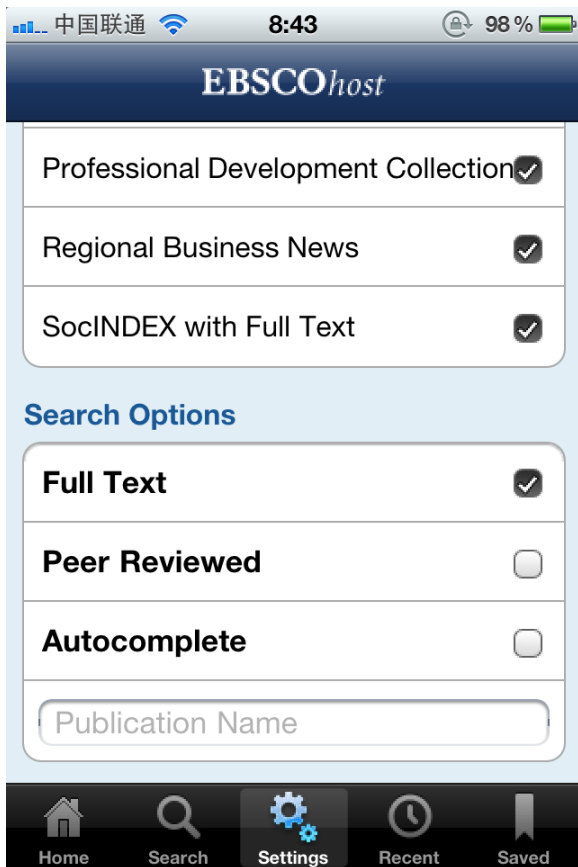
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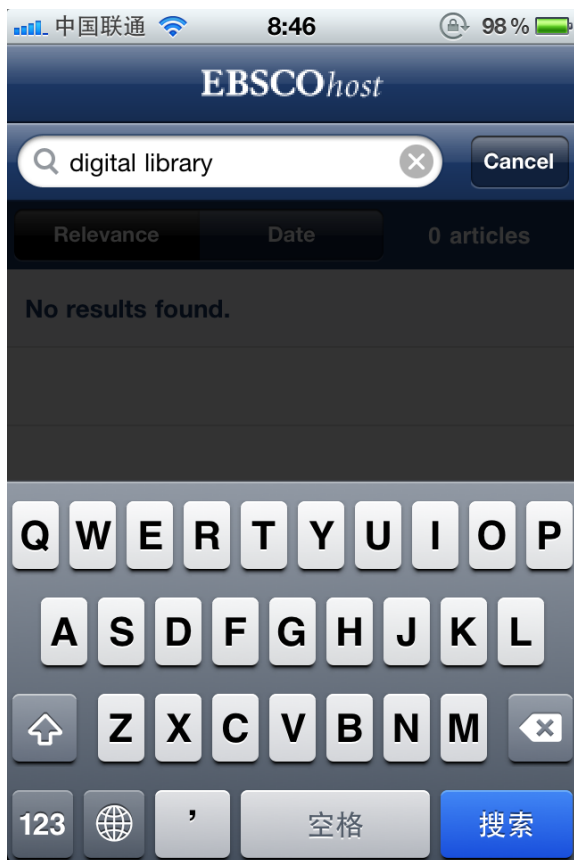
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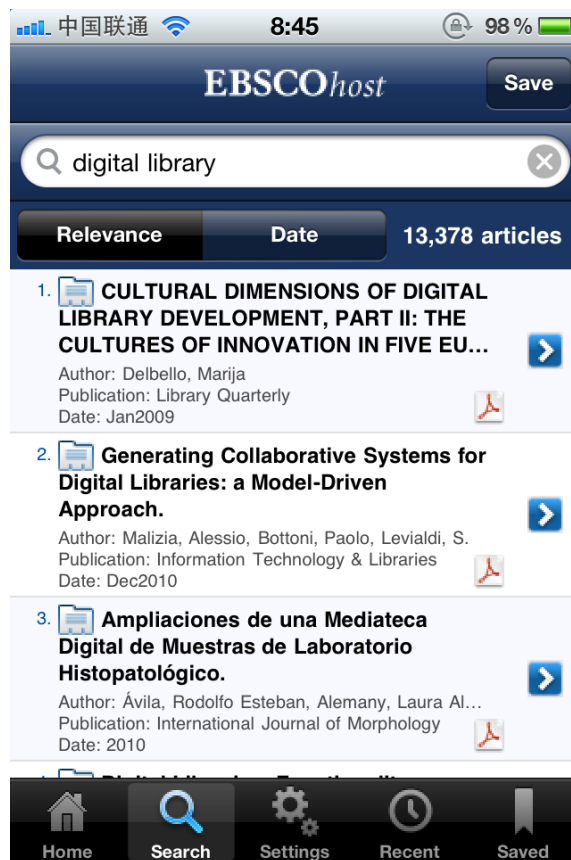
配置所需检索数据库



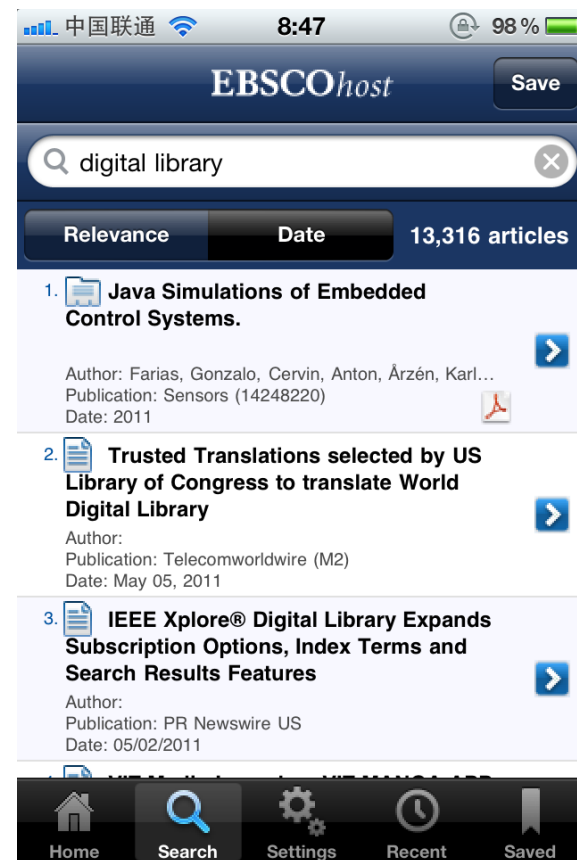
设定相关检索限定条件



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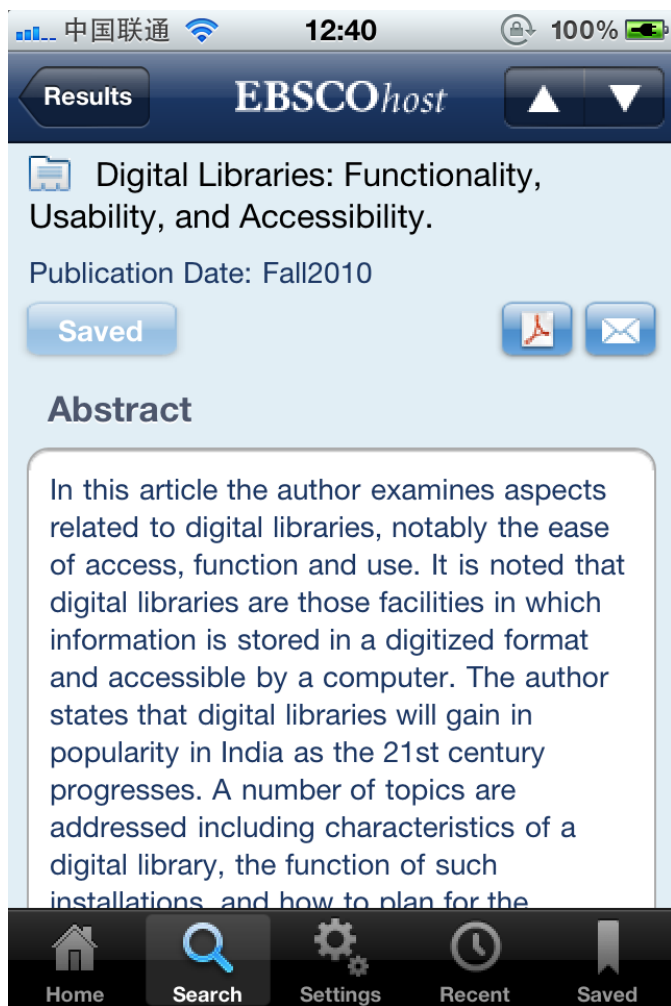


检索结果按相关度排序

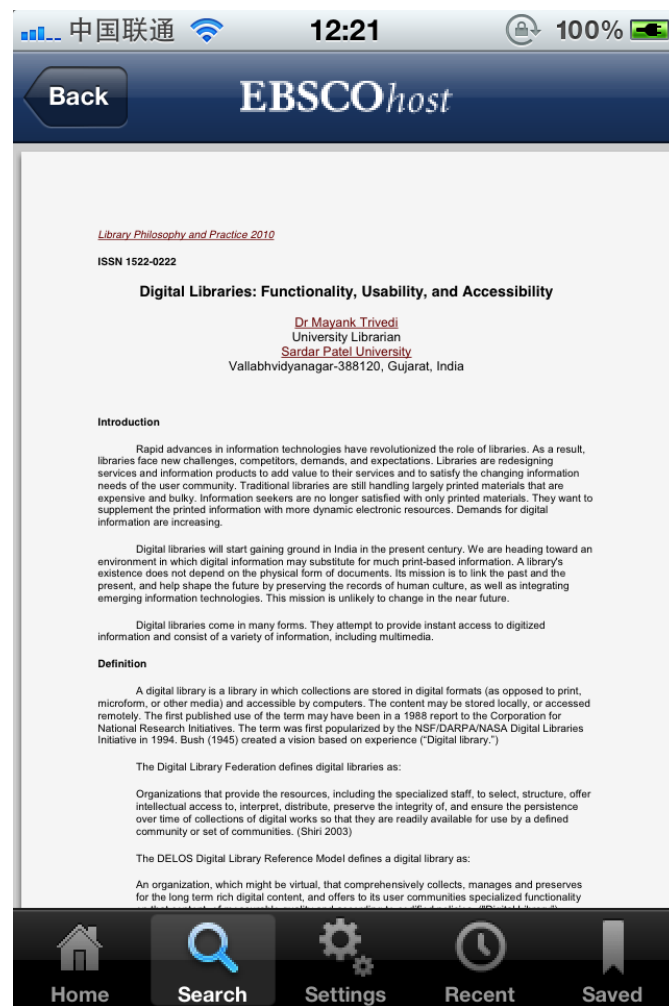


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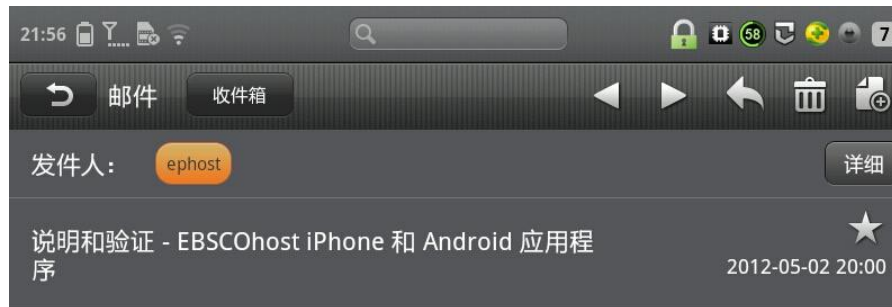


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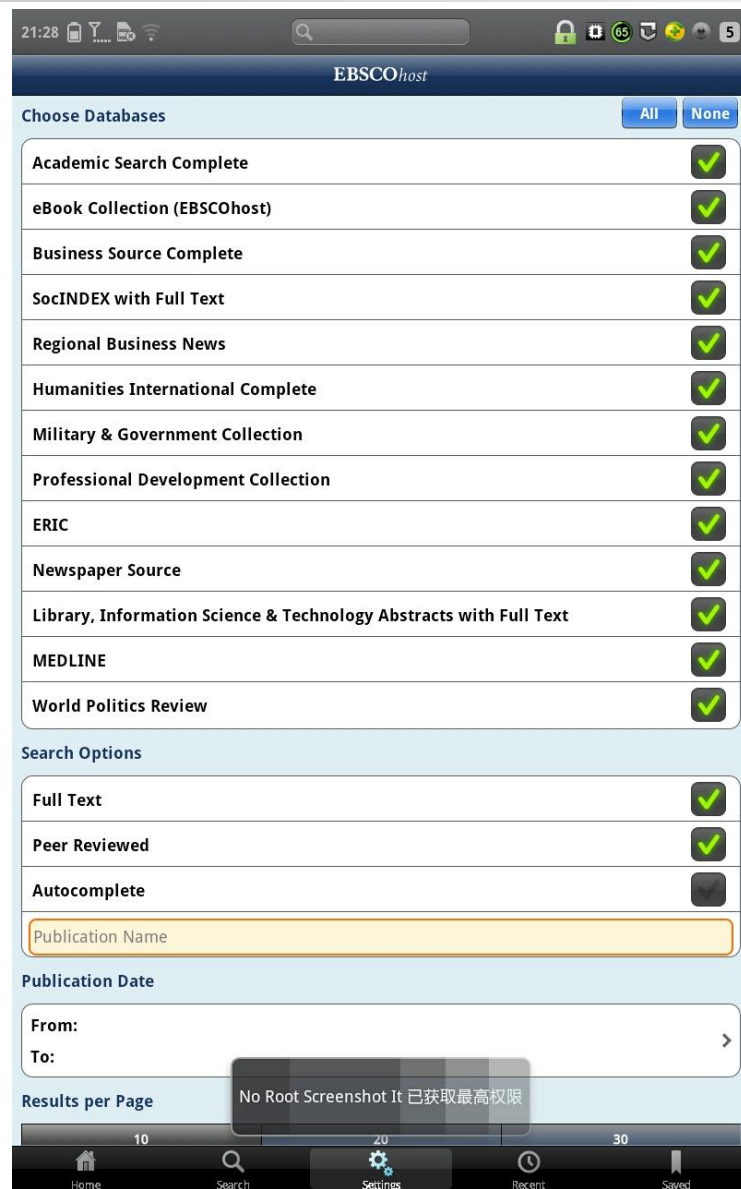
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配置所需检索数据库, 设定相关检索限定条件

# 输入检索词 检索

The screenshot shows the EBSCOhost search interface with the search term 'international'. The results are sorted by 'Relevance'. The top result is 'ODGOVORNOST DRŽAVE ZA POVREDU MEĐUNARODNE OBAVEZE S POSEBNIM OSVRTOM NA MEĐUNARODNO IZVRŠNO PRAVO.' by Omerović, Enis. Other results include articles on international adjudication, state recognition, advertising research, transnational corporations, and international law.

Rank	Title	Author	Publication	Date
1	ODGOVORNOST DRŽAVE ZA POVREDU MEĐUNARODNE OBAVEZE S POSEBNIM OSVRTOM NA MEĐUNARODNO IZVRŠNO PRAVO.	Omerović, Enis	Anali Pravnog Fakulteta Univerziteta u Zenici	2011
2	A NEW GENERATION OF INTERNATIONAL ADJUDICATION.	Born, Gary	Duke Law Journal	Jan2012
3	Do Reconhecimento de Estado e de Governo no Direito Internacional: considerações sobre a evolução do tema na jurisprudência e prática internacional.	Waisberg, Tatiana	Meridiano 47 - Boletim de Análise de Conjuntura em Relações Internacionais	sepp/oct2011
4	The Tension between Strategy and Execution: Challenges for International Advertising Research.	Ford, John B., Mueller, Barbara, Taylor, Charles R.	Journal of Advertising Research	Mar2011 Supplement
5	TRANSNATIONAL CORPORATIONS, INTERNATIONAL LAW, AND HUMAN RIGHTS.	Zahara, Constantin, Zaharia, Daniel, Zaharia, Ioana, Zaharia, George Cristinel	Economics, Management & Financial Markets	Dec2011
6	TARPTAUTINIO SERVITUTO INSTITUTAS TARPTAUTINĖJE TEISĖJE: TEORINIAI ASPEKTAL.	Griškevičienė, Inga	Socialiniai Mokslu Studijos	2011
7	Qualitative Methods in International Sales Research: Cross-Cultural Considerations.	Javalgi, Rajshekhar (Raj) G., Granot, Elad, Brashear Alejandro, Thomas G.	Journal of Personal Selling & Sales Management	Spring2011
8	VADŲ ATSAKOMYBĖS MENS REA ELEMENTAS TARPTAUTINĖJE PAPROTINĖJE TEISĖJE IR ROMOS STATUTE.	Žilinskas, Justinas, Marozas, Tomas	Jurisprudencija	2011
9	Regimes internacionais como ações da governança global.	Gonçalves, Alcindo	Meridiano 47 - Boletim de Análise de Conjuntura em Relações Internacionais	may/jun2011
10	The International Residual Mechanism and the Legacy of the International Criminal Tribunals for the Former Yugoslavia and Rwanda.	McIntyre, Gabrielle	Göttingen Journal of International Law	2011

检索结果按相关度排序

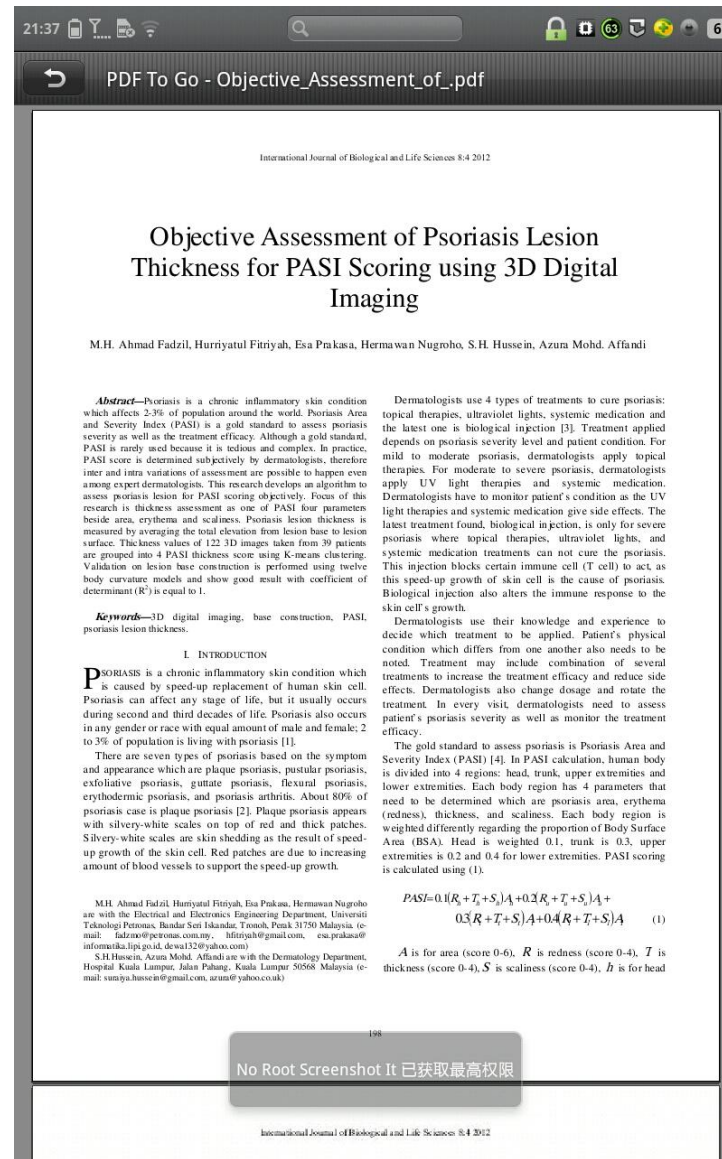
The screenshot shows the EBSCOhost search interface with the search term 'international'. The results are sorted by 'Date'. The top result is 'Objective Assessment of Psoriasis Lesion Thickness for PASI Scoring using 3D Digital Imaging.' by Fadzil, M. H. Ahmad, Fitriyah, Hurriyatul, Prakasa, Esa, Nugroho, Hermawan, Hussein, S. H., Affandi, Azura Mohd. Other results include articles on surface roughness, tartrate-ethylcellulose microparticles, renal graft status, sodium chloride effects, and bradyrhizobium viability.

Rank	Title	Author	Publication	Date
1	Objective Assessment of Psoriasis Lesion Thickness for PASI Scoring using 3D Digital Imaging.	Fadzil, M. H. Ahmad, Fitriyah, Hurriyatul, Prakasa, Esa, Nugroho, Hermawan, Hussein, S. H., Affandi, Azura Mohd.	International Journal of Biological & Life Sciences	Nov2012
2	Validation on 3D Surface Roughness Algorithm for Measuring Roughness of Psoriasis Lesion.	Fadzil, M. H. Ahmad, Prakasa, Esa, Fitriyah, Hurriyatul, Nugroho, Hermawan, Affandi, Azura Mohd, Hussein, S. H.	International Journal of Biological & Life Sciences	Nov2012
3	Metoprolol Tartrate-Ethylcellulose Tableted Microparticles: Development of a Validated Invitro In-vivo Correlation.	Rasool, Fatima Ahmad, Mahmood, Murtaza, Ghulam, Khan, Haji M. S., Khan, Shujaat A., Khiljee, Sonia, Qamar-Uz-Zaman, Muham...	International Journal of Biological & Life Sciences	Nov2012
4	Bayes Net Classifiers for Prediction of Renal Graft Status and Survival Period.	Jiakai Li, Serpen, Gursei, Selman, Steven, Franchetti, Matt, Riesen, Mike, Schneider, Cynthia	International Journal of Biological & Life Sciences	Nov2012
5	The Effect of Sodium Chloride and pH on the Antimicrobial Effectiveness of Essential Oils against Pathogenic and Food Spoilage Bacteria: Implications in Food Safety.	Angienda, P. O., Hill, D. J.	International Journal of Biological & Life Sciences	Nov2012
6	Viability of Bradyrhizobium japonicum on Soybean Seeds Enhanced by Magnetite Nanoparticles during Desiccation.	Ghalamboran, M. R., Ramsden, J. J.	International Journal of Biological & Life Sciences	Nov2012
7	Flow Regime Characterization in a Diseased Artery Model.	Shuib, Anis S., Hoskins, Peter R., Easson, William J.	International Journal of Biological & Life Sciences	Nov2012
8	Characterization of an Acetobacter Strain Isolated from Iranian Peach that Tolerates High Temperatures and Ethanol Concentrations.	Maal, K., Beheshti, Shafiee, R.	International Journal of Biological & Life Sciences	Nov2012
9	Anti-microbial Activity of Aristolochic Acid from Root of Aristolochia bracteata Retz.	Angalaparameswari, S., Mohamed Saleem, T. S., Alagusundaram, M., Ramkanth, S., Thiruvengadarajan, V. S., Gnanaprakash, K., C...	International Journal of Biological & Life Sciences	Nov2012
10	Error Estimates for Calculated Glomerular Filtration Rates .	Brown, Simon	International Journal of Biological & Life Sciences	Nov2012

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