

Embedded Librarianship Seminar, 31 Oct 2012

The Embedded librarian and Bibliometrics

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UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Denkleiers • Leading Minds • Dikgopolo tsa Dihalefi

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Background

- UP internationally recognised
- Benchmarking
- Tools



Journal citation reports

- Publish in accredited high impact journals
- Government subsidy
- Visibility of researcher and citations
- Visibility of University and higher ranking



Journal citation reports

ISI Web of KnowledgeSM

Journal Citation Reports[®]



2011 JCR Science Edition

Journal Summary List

[Journal Title Changes](#)

Journals from: subject categories ENERGY & FUELS [VIEW CATEGORY SUMMARY LIST](#)

Sorted by:

Journals 1 - 20 (of 81)



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Ranking is based on journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ⁱ	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	ENERGY EDUC SCI TECH	1301-8361	2992	31.677		5.460	174	1.5	0.00117	
<input type="checkbox"/>	2	PROG ENERG COMBUST	0360-1285	4279	14.220	17.133	2.880	25	7.6	0.01034	5.755
<input type="checkbox"/>	3	ENERG ENVIRON SCI	1754-5692	5087	9.610	10.813	2.049	548	1.9	0.01802	2.700
<input type="checkbox"/>	4	RENEW SUST ENERG REV	1364-0321	6844	6.018	6.619	0.742	480	2.8	0.02440	1.595
<input type="checkbox"/>	5	PROG PHOTOVOLTAICS	1062-7995	3277	5.789	5.767	1.922	115	4.9	0.00980	1.830
<input type="checkbox"/>	6	INT J GREENH GAS CON	1750-5836	2023	5.111	6.551	0.411	192	2.9	0.00790	1.466
<input type="checkbox"/>	7	APPL ENERG	0306-2619	6634	5.106	4.456	0.952	558	2.5	0.01681	0.874
<input type="checkbox"/>	8	BIORESOURCE TECHNOL	0960-8524	37390	4.980	5.352	0.943	1640	3.7	0.08249	0.990
<input type="checkbox"/>	9	J POWER SOURCES	0378-7753	50254	4.951	5.006	1.017	1503	5.0	0.12480	1.092



08:09 AM
2012/10/19

NRF application assistance

- Proof of research
- Proof of impact on research community
 - Citation searches
 - H-indexes



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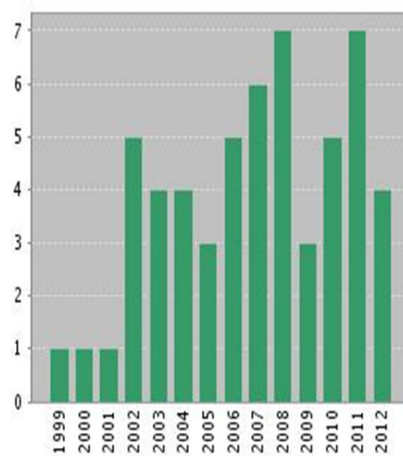
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Citation Report Author=(xia x OR xia xh) AND Address=(Univ Pretoria)

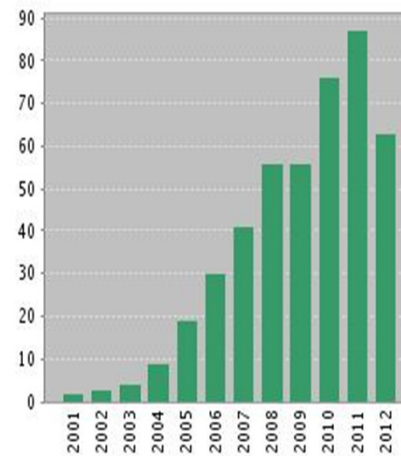
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI.

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Results found: 56

Sum of the Times Cited [?]: 446

Sum of Times Cited without self-citations [?]: 373

Citing Articles[?]: 339

Citing Articles without self-citations [?]: 307

Average Citations per Item [?]: 7.96

h-index [?]: 11



Scopus








Xia, Xiaohua

▼ Find potential author matches

Personal

Name	Xia, Xiaohua
Other formats	Xia, X. Xia, Xiyin
Author ID	7402179536
Affiliation	University of Pretoria, Department of Electrical, Electronic and Computer Engineering, Pretoria South Africa

Research

Documents	86	 View Author Evaluator  Add to my list  Set alert  Set feed
References	1374	
Citations	621 total citations by 443 documents	 View citation overview  Set alert
<i>h</i> Index	14	 View h-Graph The <i>h</i> Index considers Scopus articles published after 1995.
Co-authors	67	
Web search	5254	
Subject area	Engineering Computer Science Energy More...	

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History

Publication range	1999-Present	
Source history	IEEE AFRICON Conference Applied Energy	 View documents  View documents



Essential Science Indicators

ISI Web of KnowledgeSM

Essential Science IndicatorsSM



FIELD RANKINGS FOR UNIV PRETORIA

Display items with at least: Citation(s)
 Sorted by: Citations

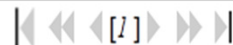
1 - 6 (of 6)



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	View	Field	Papers	Citations	Citations Per Paper
1		PLANT & ANIMAL SCIENCE	2,245	13,979	6.23
2		CLINICAL MEDICINE	738	7,508	10.17
3		ENVIRONMENT/ECOLOGY	583	5,435	9.32
4		ENGINEERING	641	2,837	4.43
5		AGRICULTURAL SCIENCES	283	1,998	7.06
6		SOCIAL SCIENCES, GENERAL	528	1,494	2.83
		ALL FIELDS*	7,804	51,159	6.56

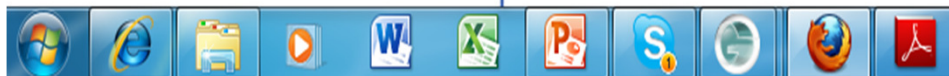
1 - 6 (of 6)



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* Includes data for all papers from ranked and unranked fields.

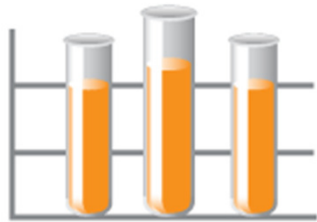
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Incites for benchmarking

Incites is a customized, citation-based research evaluation tool on the Web that enables you to analyze institutional productivity and benchmark your output against peers worldwide.

Follow the links below to view and create reports.



RESEARCH PERFORMANCE PROFILES

Comprehensive Publication & Citation Reports

- Pinpoint influential and emerging researchers
- Monitor collaboration activity

Dataset: University of Pretoria: Address Search Dataset

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GLOBAL COMPARISONS

Output & Impact Statistics for Benchmarking

- Compare your institution to others worldwide
- Identify field strengths within countries/territories

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Key indicators of research excellence for leading institutions worldwide

- Examine measures on reputation, funding, publications, staff and students
- Use indicator groups to discover the strengths of comparable institutions

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4 Mail & Guardian Getting Ahead October 5 to 11 2012

UP School of Engineering

Advertorial

Passion for international competitiveness

The University of Pretoria strives to be recognised for improving the quality of lives

Sunil Maharaj

Knowledge-based economies have a higher gross domestic product per capita. The World Bank 2012 knowledge economy index ranked South Africa 67th of the 146 countries evaluated.

The 2009/10 World Economic Forum global competitiveness report demonstrated the correlation between global competitiveness and the knowledge economy index, wherein South Africa was among the poorly ranked countries. As a nation we need to increase our research outputs with greater vigour to become more innovative.

The academic community is largely guided by the department of science and technology's 10-year plan for South Africa.

the low 2007 base of 1 274).

This is a phenomenal challenge, because between the years 2000 and 2007 the Academy of Science of South Africa's 2012 consensus report indicates that our PhD graduates grew at an average rate of around 6% a year.

China's PhD production increased by approximately 817% from 2 556 graduates in 1991 to 23 446 graduates in 2004. If one normalises this in terms of population, all South African stakeholders need to be aggressive in addressing this challenge, which could be devastating for our future generations.

The vision of the department of electrical, electronic and computer engineering at the University of Pretoria (UP) is to be a leading research-intensive engineering department, recognised globally

In the *2011 Thomson ISI Essential Science Indicators*, UP's School of Engineering was ranked in the top 1% in the world and as the leading engineering school in South Africa.

From the *InCites ISI Web of Science (October 2011) Citation Report* for electrical and electronic engineering, UP can be considered the leader in South Africa.

expertise to contribute to their international competitiveness has resulted in various initiatives. Some of them are:

- The South African National Energy Development Institute Hub at UP
- The EXXARO chair in energy efficiency
- The chair in electronic defence research with the CSIR
- The CBI electric low voltage chair in power electronics
- The Agilent Technologies CAEC Laboratory, one of the largest of its kind in the world
- The ATNS-UP research partnership
- The Huawei Technologies LTE (4G) Laboratory
- The only indoor compact antenna test range in the southern hemisphere

The various research groups in the department can offer ambitious and committed people the opportunity to be part of their team and pursue



Postgraduate Bursaries

Electrical, Electronic and Computer Engineering

Masters and PhD funding opportunities are available in the following areas:

- advanced sensor networks
- antennas and electromagnetism
- broadband wireless communications and networks
- electronic warfare and radar systems
- energy and demand-side management
- mm-wave microelectronics and RF MEMS
- power electronics

Why study at UP?

The School of Engineering is ranked among the top 1% in the world in terms of research publications output. The Department of Electrical, Electronic and Computer Engineering is a leading, research-intensive department that boasts world-class research facilities, industry funded partnerships, as well as benefiting from strong international research collaboration.

For further information, please visit www.ee.up.ac.za or email to Heleen Gous: postgrad@up.ac.za

Closing date: 2 November 2012

Summary

What can the embedded librarian do to improve the rating of the University?

- Provide all departments with appropriate lists of accredited journals, organised according to impact factor.
- Assist researchers with NRF applications
- Provide Heads of departments with possibilities for collaboration.

