



3rd HEP Information Resource Summit

Fermilab
Batavia, IL

May 6, 2009

Joel Hammond
Director Product Management & Development



THOMSON REUTERS

Development Themes

- Collaboration and Connectivity
 - ResearcherID & EndNote Web
- Knowledge Management/Data Mining
 - Thomson Reuters “Calais” Initiative and Web of Knowledge

Collaboration and Connectivity



Graduate Student



Faculty

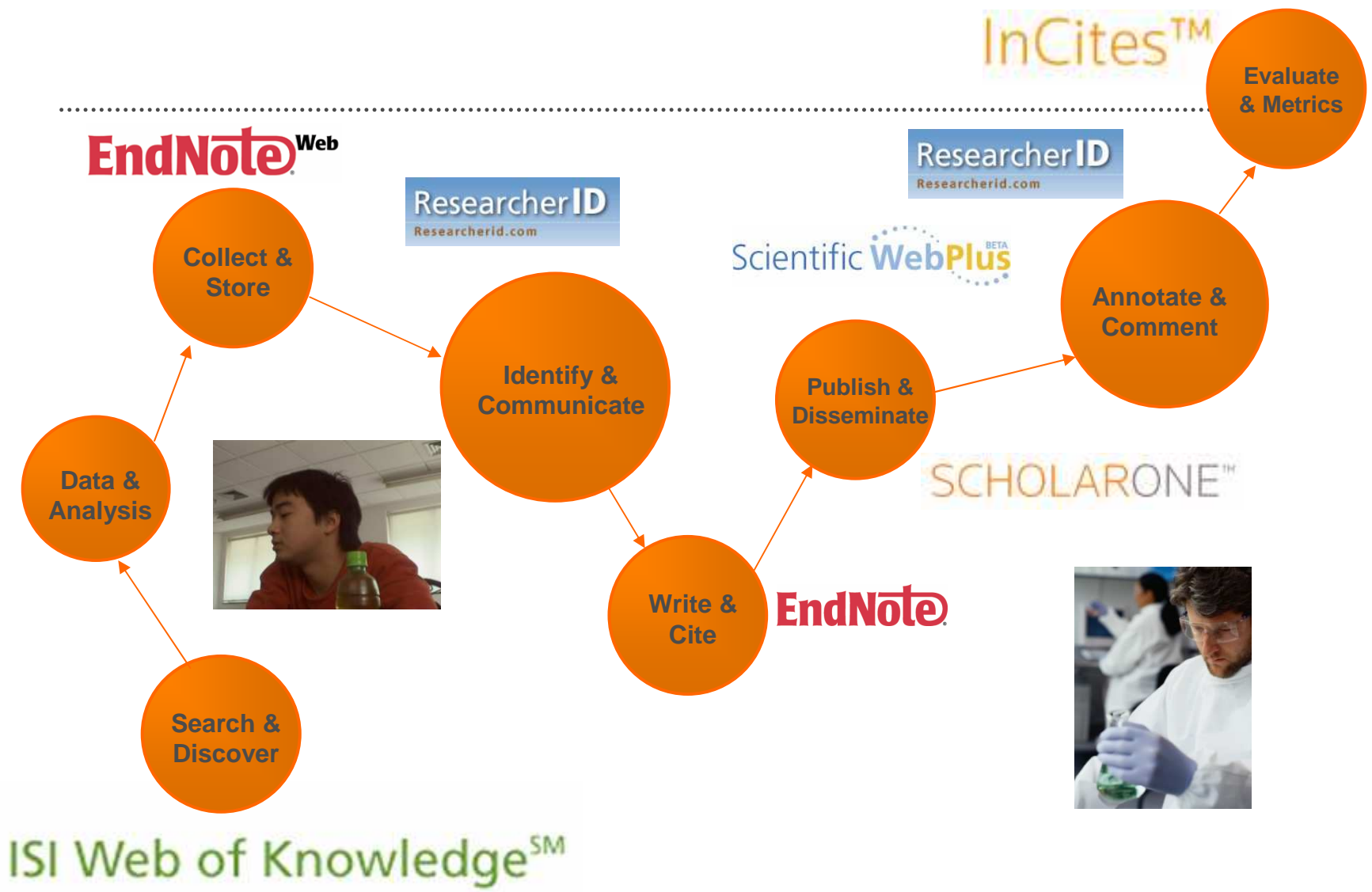


Researcher

- **ResearcherID + EndNote Web + EndNote: Data sync, shared folders = hybrid Web/Desktop app. for individual/group research**
- **Surface “invisible college” via co-author and citation networks**
- **Add relevance “social” tools via WebPlus, ResearcherID, situational application widgets**
- **Individual and institutional use cases**



COLLABORATION & CONNECTIVITY WORKFLOWS





ResearcherID



facebook



friendfeed



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下平英寿 (しもだいらひでとし)



統計科学 & バイオインフォマティクス

略歴, 文献リスト (被引用回数ランキング)

文献リストの一部はResearcherID.com にもあります R

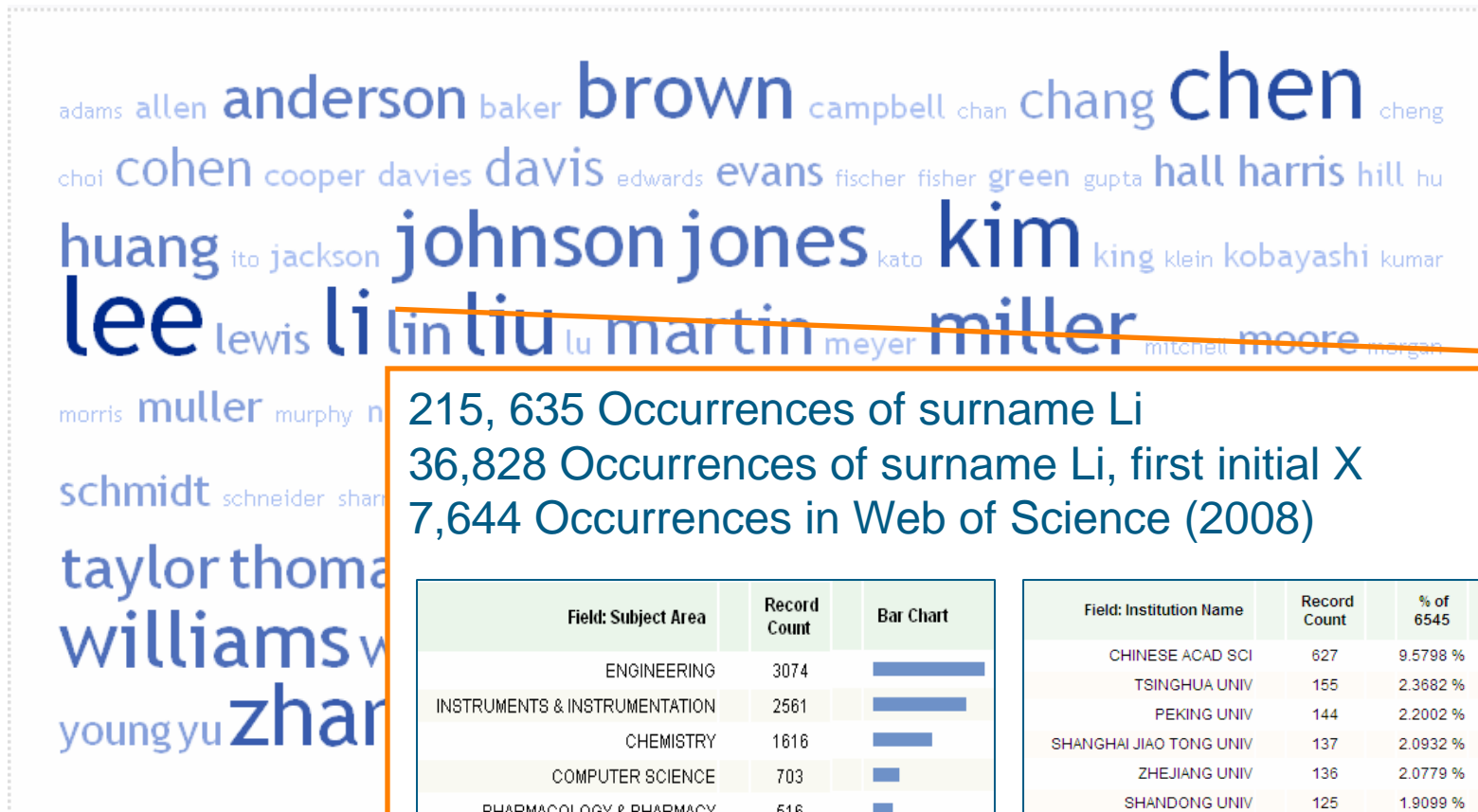
教育

- [下平研究室のウェブサイト \(最近の活動はこちら\)](#)
- 2008年前期の講義: 「データ解析」(3年)
- 2008年後期の講義: 「統計数理II」(大学院), 「総合演習実験」(3年)
- [講義・演習の一覧 \(学外を含む\)](#)

The Researcher's Professional Universe



The Name Game



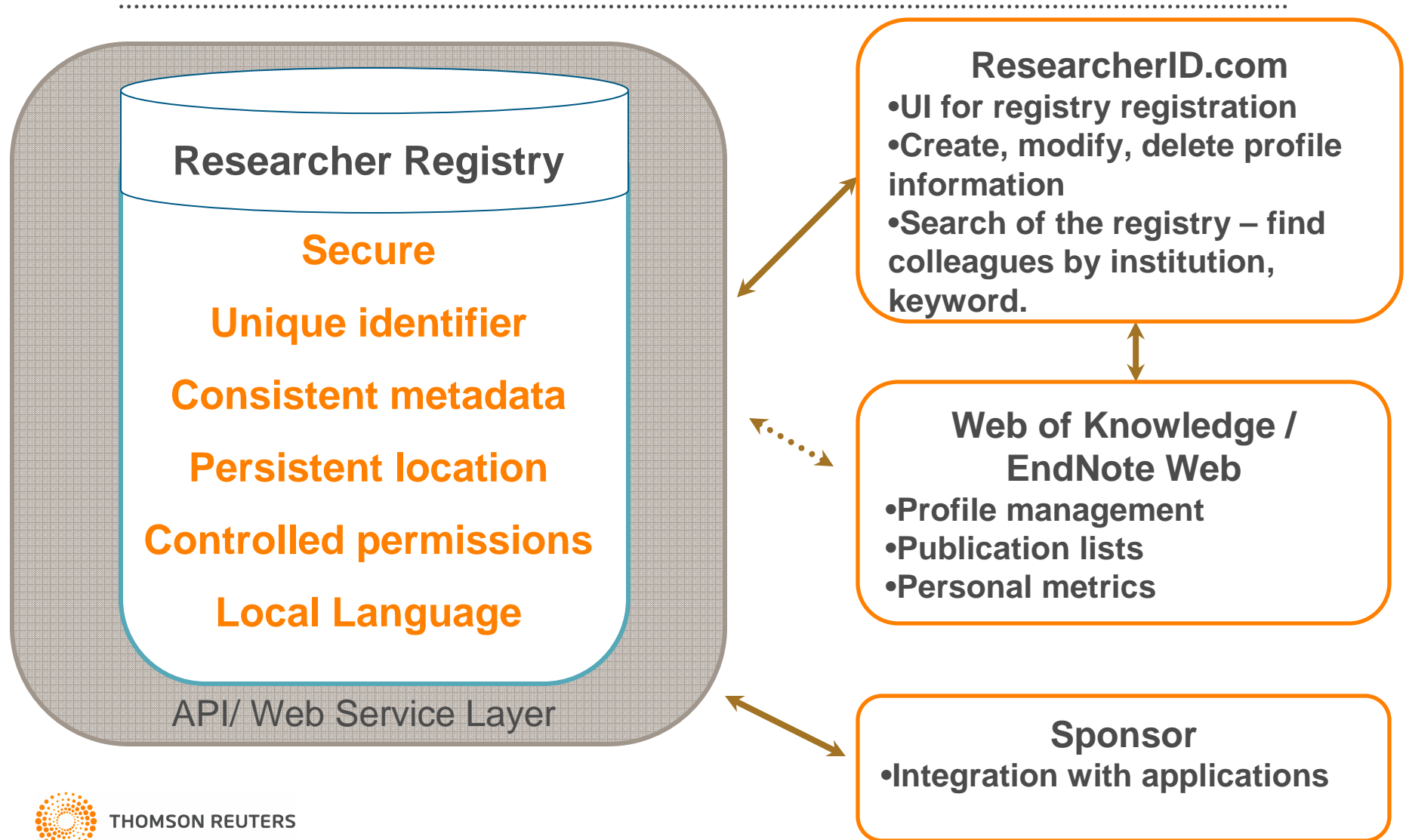
215, 635 Occurrences of surname Li
 36,828 Occurrences of surname Li, first initial X
 7,644 Occurrences in Web of Science (2008)

Field: Subject Area	Record Count	Bar Chart
ENGINEERING	3074	
INSTRUMENTS & INSTRUMENTATION	2561	
CHEMISTRY	1816	
COMPUTER SCIENCE	703	
PHARMACOLOGY & PHARMACY	516	
COMMUNICATION	476	
POLYMER SCIENCE	452	
AGRICULTURE	409	
BIOCHEMISTRY & MOLECULAR BIOLOGY	348	
ENERGY & FUELS	324	

Field: Institution Name	Record Count	% of 6545	Bar Chart
CHINESE ACAD SCI	627	9.5798 %	
TSINGHUA UNIV	155	2.3682 %	
PEKING UNIV	144	2.2002 %	
SHANGHAI JIAO TONG UNIV	137	2.0932 %	
ZHEJIANG UNIV	136	2.0779 %	
SHANDONG UNIV	125	1.9099 %	
NANJING UNIV SCI & TECHNOL	118	1.8029 %	
SICHUAN UNIV	98	1.4973 %	
NANKAI UNIV	89	1.3598 %	
UNIV CALIF LOS ANGELES	87	1.3293 %	
JOHNS HOPKINS UNIV	86	1.3140 %	
HARVARD UNIV	85	1.2987 %	



Building an Identity System



Building an identity system

Zhu , Jia-ji Justin

ResearcherID: C-3525-2008

Other Names: 朱家驊 ; J. J. Zhu

E-mail: jjzhu07@semi.ac.cn

URL: <http://www.researcherid.com/rid/C-3525-2008>

Subject: Physics

Role: Graduate Student

Keywords: spintronics, magnetism

This is Me

- Unique identity
- Name variants
- Local language
- Persistent location

Name: Chen , Cha'o-Kuang

ResearcherID: B-9230-2008

URL: <http://www.researcherid.com/rid/B-9230-2008>

Institution: National Cheng Kung University

Sub-org./Dept: Mechanical Engineering

Role: Faculty

Address : No. 1, University Road, Tainan 70101 Taiwan, ROC, Tainan, 70101, Taiwan

Start Date:

Find Me

- Affiliations
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Building an identity system

Bourne, Philip E Return to Search Page Preview the New Features Labs

ResearcherID: C-2073-2008
URL: <http://www.researcherid.com/rid/C-2073-2008>

Subject: Biochemistry & Molecular Biology ; Communication ; Computer Science ; Crystallography ; Education & Educational Research ; Evolutionary Biology ; Film, Radio & Television ; Pharmacology & Pharmacy ; Science & Technology - Other

Role: Faculty

Keywords: computational biology

Description: Our broad goal is to undertake in silico bioinformatics-related research and education (with emphasis on structural bioinformatics) to improve our understanding of living systems. This understanding covers research into evolution, protein form and function, disease relationships, drug discovery and immunology.

What I Do

- Subject categories
- Role
- User keywords
- User description

Find researchers using their keywords.

adsorption aging alzheimer's disease analytical chemistry artificial intelligence atomic force microscopy attention biodiversity biogeochemistry biogeography
bioinformatics biomaterials biomechanics biophysics biotechnology breast cancer cancer carbon nanotubes catalysis climate change
cognition community ecology complex systems computational biology computational chemistry condensed matter physics conservation biology data
mining decision making density functional theory diabetes drug delivery ecology electrochemistry epidemiology evolution evolutionary ecology fluid
mechanics fmri fuel cells gene expression genetics genomics geochemistry geophysics image processing inflammation information retrieval landscape ecology
machine learning magnetism and magnetic materials mass spectrometry microfluidics molecular biology molecular dynamics molecular evolution nano
materials nanocomposites nanomaterials nanoparticles nanophotonics nanoscience nanotechnology nanotechnology and nanoscience nanowires
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signal processing signal transduction spectroscopy spintronics statistics stem cells superconductivity supramolecular chemistry surface chemistry surface science
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Building an identity system

Personal Information My Affiliations Password Options

Update your information. Optionally, use the "public" setting to indicate which information to display on your Profile fields.

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<input type="checkbox"/> Public (Master)	First / Given Name: Reynold *
	Last / Family Name: Guida *
	Middle Initials: J
	ResearcherID: A-1019-2007

<input type="checkbox"/> Public	Other Names Used by You:	<input type="text"/>	Add
		Renny guida rj 雷诺	Remove

<input type="checkbox"/> Public	URL: http://www.researcherid.com/rid/A-1019-2007
---------------------------------	--

<input checked="" type="radio"/> Private <input type="radio"/> Public <input type="radio"/> Registered Users Only	E-mail Address: reynold.guida@thomson.com *
---	---

<input type="checkbox"/> Public	Make the My Publication list public
---------------------------------	-------------------------------------

Public the Author URLs ons public

I Control My Identity

➤ Secure

➤ Public, private, group

Web Services to Integrate with Workflow

Sponsor systems automatically create ResearcherID profiles

- Automatically create unique identifier
- Unique match between ResearcherID and institution data
- Researchers maintain control of information and privacy
- Automatically create and maintains current publication information
- Uploaded publications match to Web of Science articles
- Current updated Web of Science citation counts into institutional repositories and systems

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Researcherid.com

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First / Given Name: *Example: J or James*

Search

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User defined keywords

Top 20 Keywords

1001
Software Architecture
abc
allergy
bibliometrics
bioethic
biol
cell
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clinical medicine
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product development
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scanning electron microscopy
software
software design
software testing
stem cells
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Rotenberg, Ellen

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[Preview Public Version](#)

ResearcherID: A-6031-2008

Other Names:

E-mail: ellen.rotenberg@thomsonreuters.com

URL: <http://rid-qa.researcherid.com/rid/A-6031-2008>

Role: Other

Subject: [Enter a Subject](#)

Keywords: [Enter a Keyword](#)

Description: [Enter a Description](#)

My Institutions [\(more details\)](#)

Primary Institution: Thomson Reuters

Sub-org./Dept:

Role: Other

Joint Affiliation:

Sub-org./Dept:

Role:

Past Institutions: GlaxoSmithKline

Include Joint Affiliation and Past Institution Information

Publications

My Publications (0)

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Publication List 1 (0)

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Publication List 2 (0)

[View Publications](#)

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My Publications: View

Welcome to your "My Publications"

The "My Publications" is an area to which you can add publications by searching *ISI Web of Knowledge*SM, searching *Web of Science*

To add publications, click the **Add** link located in the menu on the **Publications** above.

You have the ability to make your "My Publications" public to visit on the **Manage Profile** button at the top-right corner of the page. The second and third publication lists are always private.

* Note: Access to *ISI Web of Knowledge*, *Web of Science*, *EndNote* you are accessing ResearcherID.

[More information](#)

Create multiple publication lists (including citation metrics)

Name: Rotenberg, Ellen
ResearcherID: A-6031-2008
URL: <http://rid-qa.researcherid.com/rid/A-6031-2008>

Institution: Thomson Reuters
Sub-org./Dept:
Role: Other
Address : 3501 Market street, philadelphia, pa, United States
Start Date:

Joint Affiliation:
Sub-org./Dept:
Role:
Address :
Start Date:

Past Institution Name	Address	Role	Start Date	End Date
GlaxoSmithKline	King of Prussia, United States	Graduate Student	2004	2006



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Add to: My Publications

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To add publications to your Publication List, select one of the options below by clicking a link.

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ISI Web of KnowledgeSM

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Use this option to search *ISI Web of Knowledge*. Depending on your subscription, this can include articles, books, patents, and more.

Search Web of Science

Use this option to search *Web of Science*. Depending on your subscription, this includes the world's leading scholarly literature in the sciences, social sciences, arts, and humanities and proceedings of international conferences, symposia, seminars, colloquia, workshops, and conventions.

Search Web of Science Distinct Author Sets

Use this option to search *Web of Science* for sets of articles written by the same person.

Option 2:

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Go to EndNote Web

If you have access to EndNote Web, you will see three ResearcherID folders. Those three folders represent your three publication lists here in ResearcherID. You can use EndNote Web to add articles to and manage those lists.

Option 3:

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Upload an RIS file (from EndNote, RefMan, or other reference software)

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There are three ways to add publications to ResearcherID:

- Search the ISI Web of Knowledge

- Adding files stored in EndNote Web and EndNote Desktop

- Uploading a tagged file

Article Sets: 6 set(s) found

Step 2 of 3 : These are the sets of papers found for the name. Click a number to view the records in the set.

Set	Author Names	Publication Years	Source Titles (top 5 by record count)	# of Records
1.	GUIDA, R	2000-2008	- NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT (14) - NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS (5) - INTERNATIONAL JOURNAL OF MODERN PHYSICS A (1)	20
2.	GUIDA, R	1991-2007	- NUCLEAR PHYSICS B (4) - INTERNATIONAL JOURNAL OF MODERN PHYSICS A (3) - PHYSICS LETTERS B (3) - ANNALS OF PHYSICS (2) - JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL (2)	17
3.	GUIDA, R	1992-2000	- DIABETES (3) - DIABETOLOGIA (2) - JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM (2) - AMERICAN JOURNAL OF PHYSIOLOGY (1) - AMERICAN JOURNAL OF PHYSIOLOGY:ENDOCRINOLOGY AND METABOLISM (1)	11
4.	GUIDA, R	2000-2007	- PHYSICS LETTERS B (8) - EUROPEAN PHYSICAL JOURNAL C (1) - JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS (1) - NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT (1)	11
5.	GUIDA, R	2004	- EUROPEAN HEART JOURNAL (3)	3

[Previous 5 Sets](#)

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Articles: 20 record(s) returned

Step 3 of 3 : Select records on this page and add them to your list before navigating to other pages. Note that page navigation automatically submits the selections on the page to your list.

Page 1 of 4 Go

Select Page

- 1. Title: [The gas monitoring system for the Resistive Plate Chamber detector of the CMS experiment at LHC](#)
Author(s): ABBRESCIA, M; COLALEO, A; GUIDA, R; et al.
Conference: 18th Hadron Collider Physics Symposium Volume: 177 Pages: 384 Year: MAR 2008
Times Cited: 1
- 2. Title: [HF production in CMS-resistive plate chambers](#)
Author(s): ABBRESCIA, M; COLALEO, A; GUIDA, R; et al.
Conference: 8th Workshop on Resistive Plate Chambers and Related Detectors Volume: 158 Pages: 30-34 Year: AUG 2006
Times Cited: 3
- 3. Title: [Quality control tests for the CMS Barrel RPCs](#)
Author(s): ABBRESCIA, M; COLALEO, A; GUIDA, R; et al.
Conference: 8th Workshop on Resistive Plate Chambers and Related Detectors Volume: 158 Pages: 73-77 Year: AUG 2006
Times Cited: 1
- 4. Title: [RPCs in biomedical applications](#)
Author(s): BELLI, G; DE VECCHI, C; GIROLETTI, E; et al.
Conference: 8th Workshop on Resistive Plate Chambers and Related Detectors Volume: 158 Pages: 166-174 Year: AUG 2006
Times Cited: 0
- 5. Title: [Production and quality control of the Barrel RPC chambers of the CMS experiment](#)
Author(s): ABBRESCIA, M; CAVALLI, E; COLALEO, A; et al.
Conference: 9th Topical Seminar on Innovative Particle and Radiation Detectors Volume: 150 Pages: 290-294 Year: JAN 2006
Times Cited: 4

Guida, Reynold

Preview the New Features Labs (Your lab page shows only your public data.)

Manage Profile Preview Public Version

ResearcherID: A-1010-2007
 Other Names: Renny Guida
 E-mail: reynold.guida@thomson.com
 URL: http://ind-qd.researcherid.com/indA-1010-2007
 Role: Other
 Subject: Business & Economics
 Keywords: development ; product development ; new product development ; marketing ; sales
 Description: Product Development 产品开发

My Institutions (more details)
 Primary Institution: Thomson Scientific
 Sub-org./Dept.
 Role: Other
 Joint Affiliation:
 Sub-org./Dept.
 Role:
 Past Institutions: Institute for Scientific Information

Publications

My Publications (12)

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Citation Metrics

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Publication List 1 (0)

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Citation Metrics

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Publication List 2 (0)

View Publications

Citation Metrics

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Help

My Publications: View

12 publication(s) Page 1 of 2 Go Sort by: Times Cited

- Title: [Critical exponents of the N-vector model](#)
 Author(s): GUIDA, R; ZINN-JUSTIN, J
 Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 31 Issue: 40 Pages: 8103-8121 Published: OCT 9 1998
 Times Cited: 336
- Title: [CMS physics technical design report, volume II: Physics performance](#)
 Author(s): BAYATI, GL; CHATRCHYAN, S; HIYAKYAN, G, et al
 Source: JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 34 Issue: 6 Pages: 995-1579 Published: JUN 2007
 Times Cited: 66
 DOI: 10.1088/0954-3899/34/6/501
- Title: [Splanchnic and leg substrate exchange after ingestion of a natural mixed meal in humans](#)
 Author(s): CAPALDO, B; GASTALDELLI, A; ANTONIELLO, S, et al
 Source: DIABETES Volume: 48 Issue: 5 Pages: 958-966 Published: MAY 1999
 Times Cited: 23
- Title: [GRB 060218 and GRBs associated with supernovae Ib/c](#)
 Author(s): DAINOTTI, MG; BERNARDINI, MG; BIANCO, CL, et al
 Source: ASTRONOMY & ASTROPHYSICS Volume: 471 Issue: 2 Pages: L29-L32 Published: AUG 2007
 Times Cited: 11
 DOI: 10.1051/0004-6361/20078068
- Title: [Tricritical Ising Model near criticality](#)
 Author(s): GUIDA, R; MAGNOLI, N
 Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 13 Issue: 7 Pages: 1145-1157 Published: MAR 20 1998
 Times Cited: 10
- Title: [Exact consequences of the trace anomaly in four dimensions](#)
 Author(s): CAPPELLI, A; GUIDA, R; MAGNOLI, N
 Source: NUCLEAR PHYSICS B Volume: 618 Issue: 3 Pages: 371-406 Published: DEC 17 2001
 Times Cited: 8
- Title: [Muscle sympathetic nerve activity in patients with acromegaly](#)
 Author(s): CAPALDO, B; LEMBO, G; RENDINA, V, et al
 Source: JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM Volume: 85 Issue: 9 Pages: 3203-3207 Published: SEP 2000
 Times Cited: 8
- Title: [Tension and energy-free robotic-assisted laparoscopic radical prostatectomy with interfascial dissection of the neurovascular bundles](#)
 Author(s): MATTEI, A; NASPRO, R; ANNINO, F, et al
 Source: EUROPEAN UROLOGY Volume: 52 Issue: 3 Pages: 687-695 Published: SEP 2007
 Times Cited: 5
 DOI: 10.1016/j.euro.2007.05.029
- Title: [A new class of short distance universal amplitude ratios](#)
 Author(s): CASELLE, M; GRINZA, P; GUIDA, R, et al
 Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 37 Issue: 4 Pages: L47-L53 Published: JAN 30 2004
 Times Cited: 1
- Title: [Towards a fully automated computation of RG functions for the three-dimensional O\(N\) vector model: parametrizing amplitudes](#)
 Author(s): GUIDA, R; RIBECA, P
 Source: JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Pages: - Published: FEB 2006
 Times Cited: 1

12 publication(s) Page 1 of 2 Go Sort by: Times Cited

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 Publication List 2 (0)

All My References

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Author	Year	Title	Edit
BAYATI, GL	2007	CMS physics technical design report, volume II: Physics performance JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS ISI Web of Knowledge® Source Record, Related Records, Times Cited: 66	Edit
BERNARDINI, MG	2006	GRB070228 as a prototype for short GRBs with afterglow NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY AND MATHEMATICAL PHYSICS AND METHODS ISI Web of Knowledge® Source Record, Related Records, Times Cited: 0	Edit
CAPALDO, B	1999	Splanchnic and leg substrate exchange after ingestion of a natural mixed meal in humans DIABETES ISI Web of Knowledge® Source Record, Related Records, Times Cited: 23	Edit
CAPALDO, B	2000	Muscle sympathetic nerve activity in patients with acromegaly JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM ISI Web of Knowledge® Source Record, Related Records, Times Cited: 8	Edit
CAPPELLI, A	2001	Exact consequences of the trace anomaly in four dimensions NUCLEAR PHYSICS B ISI Web of Knowledge® Source Record, Related Records, Times Cited: 8	Edit
CASELLE, M	2004	A new class of short distance universal amplitude ratios JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL ISI Web of Knowledge® Source Record, Related Records, Times Cited: 1	Edit
DAINOTTI, MG	2007	GRB 060218 and GRBs associated with supernovae Ib/c ASTRONOMY & ASTROPHYSICS ISI Web of Knowledge® Source Record, Related Records, Times Cited: 11	Edit
GUIDA, R	1998	Tricritical Ising Model near criticality INTERNATIONAL JOURNAL OF MODERN PHYSICS A ISI Web of Knowledge® Source Record, Related Records, Times Cited: 10	Edit
GUIDA, R	2006	Towards a fully automated computation of RG functions for the three-dimensional O(N) vector model: parametrizing amplitudes JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT ISI Web of Knowledge® Source Record, Related Records, Times Cited: 1	Edit
GUIDA, R	1998	Critical exponents of the N-vector model JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL ISI Web of Knowledge® Source Record, Related Records, Times Cited: 336	Edit

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Martin, Jan ML Return to Search Page Preview the New Features Labs

ResearcherID: A-7457-2008
Other Names: Gershon Martin; Gershon (Jan) Martin
URL: <http://rid-qa.researcherid.com/rid/A-7457-2008>
Subject: Chemistry
Role: Faculty
Keywords: computational chemistry; thermochemistry; density functionals; ab initio electronic structure; catalysis
Description: Head of the Computational Quantum Chemistry research group in the Dept. of Organic Chemistry at the Weizmann Institute. Public home page: <http://www.weizmann.ac.il/oc/martin> Group home page: <http://theochem.weizmann.ac.il>

My Institutions (more details)
Primary Institution: Weizmann Institute of Science
Sub-org/Dept: Department of Organic Chemistry; Kimmel Center Molecular Design; Lise Meitner-Minerva Center Computational Quantum Chemistry
Role: Faculty

Publications
My Publications (215)
View Publications
Citation Metrics

Publication List: View
215 publication(s) Page 1 of 22 Go

- Title: [Correlation consistent valence basis sets for use with the Stuttgart-Dresden-Bonn relativistic effective core potentials: The atoms Ga-Kr and In-Xe](#)
Author(s): MARTIN, JML, SUNDERMANN, A
Source: JOURNAL OF CHEMICAL PHYSICS Volume: 114 Issue: 8 Pages: 3408-3420 Published: FEB 22 2001 Times Cited: 324
- Title: [Towards standard methods for benchmark quality ab initio thermochemistry - W1 and W2 theory](#)
Author(s): MARTIN, JML, DE OLIVEIRA, G
Source: JOURNAL OF CHEMICAL PHYSICS Volume: 111 Issue: 5 Pages: 1843-1856 Published: AUG 1 2000 Times Cited: 302
- Title: [Ab initio total atomization energies of small molecules - Towards the basis set limit](#)
Author(s): MARTIN, JML
Source: CHEMICAL PHYSICS LETTERS Volume: 259 Issue: 5 Pages: 669-678 Published: SEP 13 1996 Times Cited: 283
- Title: [Development of density functionals for thermochemical kinetics](#)
Author(s): BOESE, AD, MARTIN, JML
Source: JOURNAL OF CHEMICAL PHYSICS Volume: 121 Issue: 8 Pages: 3405-3416 Published: AUG 22 2004 Times Cited: 154
DOI: 10.1063/1.1774975
- Title: [STRUCTURE AND VIBRATIONAL SPECTRA OF CARBON CLUSTERS C-N \(n=2-10, 12, 14, 16, 18\) USING DENSITY-FUNCTIONAL THEORY INCLUDING EXACT EXCHANGE CONTRIBUTIONS](#)
Author(s): MARTIN, JML, EL YAZAL, J, FRANCOIS, JP
Source: CHEMICAL PHYSICS LETTERS Volume: 242 Issue: 6 Pages: 570-579 Published: SEP 1 1995 Times Cited: 150
- Title: [Assessment of W1 and W2 theories for the computation of electron affinities, ionization potentials, heats of formation, and proton affinities](#)
Author(s): PARTHIBAN, S, MARTIN, JML
Source: JOURNAL OF CHEMICAL PHYSICS Volume: 114 Issue: 14 Pages: 6014-6029 Published: APR 8 2001 Times Cited: 128
- Title: [Basis set convergence and performance of density functional theory including exact exchange contributions for geometries and harmonic frequencies](#)
Author(s): MARTIN, JML
Source: MOLECULAR PHYSICS Volume: 86 Issue: 6 Pages: 1437-1450 Published: DEC 20 1995 Times Cited: 121
- Title: [W3 theory: Robust computational thermochemistry in the kJ/mol accuracy range](#)
Author(s): BOESE, AD, OREN, M, ATASOYLU, O, et al.
Source: JOURNAL OF CHEMICAL PHYSICS Volume: 120 Issue: 9 Pages: 4129-4141 Published: MAR 1 2004 Times Cited: 115
DOI: 10.1063/1.1638736
- Title: [ON THE PERFORMANCE OF CORRELATION CONSISTENT VALENCE BASIS SETS FOR THE COMPUTATION OF ATOMIZATION ENERGIES, GEOMETRIES, AND VIBRATIONAL FREQUENCIES](#)
Author(s): MARTIN, JML
Source: JOURNAL OF CHEMICAL PHYSICS Volume: 114 Issue: 8 Pages: 3408-3420 Published: FEB 22 2001 Times Cited: 115
- Title: [AN ACCURATE AB-INITIO QUARTIC FORCE FIELD FOR ETHYLENE](#)
Author(s): LEE, TJ, MARTIN, JML, TAYLOR, P
Source: JOURNAL OF CHEMICAL PHYSICS Volume: 114 Issue: 8 Pages: 3408-3420 Published: FEB 22 2001 Times Cited: 113

215 publication(s) Page 1 of 22 Go

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ResearcherID

Jan Martin
RID: A-7457-2008
Weizmann Institute of Science

Selected Publication List:

- Correlation consistent valence basis sets for use with the Stuttgart-Dresden-Bonn relativistic effective core potentials: The atoms Ga-Kr and In-Xe
- Towards standard methods for benchmark quality ab initio thermochemistry - W1 and W2 theory
- Ab initio total atomization energies of small molecules - Towards the basis set limit

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Researcherid.com

Badge Generator

Collaboration Network
The graph below displays (up to) this researcher's top 20 Institutions. Data is presented in descending frequency order.

Top: Authors | Categories | Countries/Territories | Institutions | Map |

Collaboration Network for Martin, Jan ML

Institution	Number of Articles
WEIZMANN INST SCT	114
LIMBURGS UNIV CENTRUM	74
UNIV INSTELLING ANTWERP	74
SAN DIEGO SUPERCOMP C...	25
NASA	21
HEBREW UNIV JERUSALEM	13
UNIV CALIF SAN DIEGO	10
UNIV VIRGINIA	6
FORSCHUNGSZENTRUM KAR...	5
ARGONNE NATL LAB	4
ELORET INST	4
FREE UNIV BRUSSELS	4
LIMBL	4
NORTH TECHNON	4
AUSTRAL LIMBURG S	4
UNIV ANTWERP UIA	2

Number of Articles Powered By Web of Science

Collaboration Network Visualization

Top: Authors | Categories | Countries/Territories | Institutions | Map | Years |

Map Sat Hyb

20km 10mi 100km

Citing Articles Visualization

Publication List: Citation Metrics

This graph shows the number of times the articles on the publication list have been cited in each of the last 20 years. Note: Only articles from ISI Web of Knowledge with citation data are included in the calculations. [More information about these data.](#)

Citation Distribution by year

Total Articles in Publication List: 215
Articles With Citation Data: 215
Sum of the Times Cited: 7679
Average Citations per Article: 35.72
h-index: 48
Last Updated: 03/30/2009 22:56 GMT

H-Index and Citation Distribution



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Semiconductors and Solar Cells

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Publications and downloads Collaborations Group Members Contact Us

PERSONAL PROFILE

Daniel Macdonald



RESEARCH INTERESTS

- Solar energy and photovoltaics
- Industrial multicrystalline silicon solar cells - gettering, texturing, surface and bulk passivation
- Metallic impurities (impact on solar cells)
- Novel solar-grade

ResearcherID

Daniel Macdonald
 RID: A-3794-2008
 Australian National University

Selected Publication List:

1. Trapping of minority carriers in multicrystalline silicon
2. Iron detection in crystalline silicon by carrier lifetime measurements for arbitrary injection and doping
3. Transition-metal profiles in a multicrystalline silicon ingot

Go to ResearcherID.com to view more information

PUBLICATIONS

Most of my published articles are listed here. A complete list can be found in my ResearcherID profile. You can take a look at my profile using the button below.



EXTERNALLY FUNDED

I have been involved in several externally funded projects, as detailed below.

APPOINTMENTS

- From January 2007 - Present: Research Scientist, ECN
- August 2006-December 2006: Research Associate, TI
- August 2003-July 2006: ARC Postdoctoral Fellow, The Australian National University
- January 2003-July 2003: Research Scientist, ECN
- June 2001-December 2002: Research Associate, TI

ACADEMIC QUALIFICATIONS

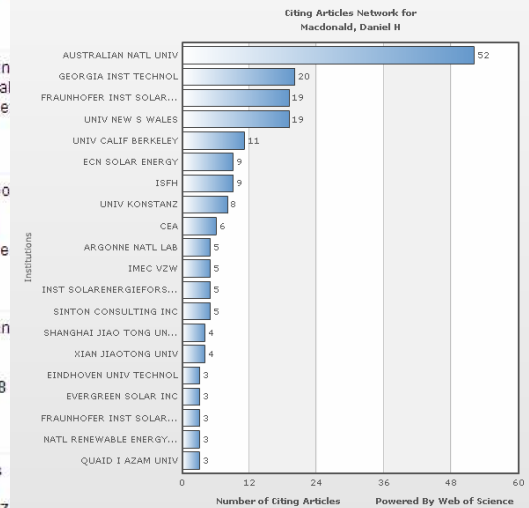
- 2001: PhD (Engineering), The Australian National University
- 1995: Honours in Physics (First Class Honours), The Australian National University

Publication List: View

43 publication(s) Page 1 of 5 Go

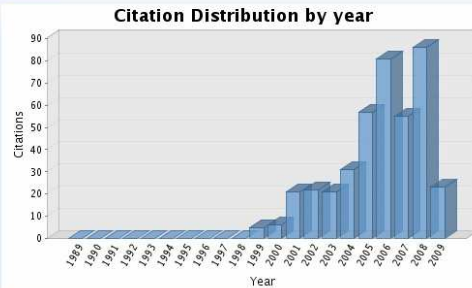
Sort by: Times Cited

1. Title: Trapping of minority carriers in multicrystalline silicon
 Author(s): MACDONALD, D; CUEVAS, A
 Source: APPLIED PHYSICS LETTERS Volume: 74 Issue: 12 Pages: 1710-1712 Published: MAR 22 1999
 Times Cited: 85
2. Title: Iron detection in crystalline silicon by carrier lifetime measurements for arbitrary injection and doping
 Author(s): MACDONALD, DH; GEERLIGS, LJ; AZZIZI, A
 Source: JOURNAL OF APPLIED PHYSICS Volume: 95 Issue: 3 Pages: 1021-1028 Published: FEB 1 2004
 Times Cited: 34
 DOI: 10.1063/1.1637136
3. Title: Transition-metal profiles in a multicrystalline silicon ingot
 Author(s): MACDONALD, D; CUEVAS, A; KINOMURA, A; et al
 Source: JOURNAL OF APPLIED PHYSICS Volume: 97 Issue: 12 Pages: 1245-1248 Published: JUN 15 2005
 Times Cited: 31
 DOI: 10.1063/1.1845584
4. Title: Capture cross sections of the acceptor level of iron-boron complexes in multicrystalline silicon
 Author(s): MACDONALD, D; CUEVAS, A; WONG-LEUNG, J
 Source: JOURNAL OF APPLIED PHYSICS Volume: 89 Issue: 12 Pages: 1245-1248 Published: JUN 15 2001
 Times Cited: 26
 DOI: 10.1063/1.1812833
5. Title: Recombination activity of interstitial iron and other transition metal impurities in multicrystalline silicon
 Author(s): MACDONALD, D; GEERLIGS, LJ
 Source: APPLIED PHYSICS LETTERS Volume: 85 Issue: 18 Pages: 2777-2779 Published: OCT 1 2004
 Times Cited: 19
 DOI: 10.1016/j.solenr.2003.08.019
6. Title: Texturing industrial multicrystalline silicon solar cells
 Author(s): MACDONALD, DH; CUEVAS, A; KERR, MJ; et al
 Source: SOLAR ENERGY Volume: 76 Issue: 1-3 Pages: 277-283 Published: FEB 1 2006
 Times Cited: 19
 DOI: 10.1016/j.solener.2003.08.019
7. Title: Boron-related minority-carrier trapping centers in p-type silicon
 Author(s): MACDONALD, D; KERR, M; CUEVAS, A
 Source: APPLIED PHYSICS LETTERS Volume: 74 Issue: 12 Pages: 1710-1712 Published: MAR 22 1999
 Times Cited: 19
8. Title: Recombination and trapping in multicrystalline silicon
 Author(s): CUEVAS, A; STOCKS, M; MACDONALD, D
 Source: IEEE TRANSACTIONS ON ELECTRON DEVICES Volume: 36 Issue: 12 Pages: 3483-3488 Published: OCT 1989

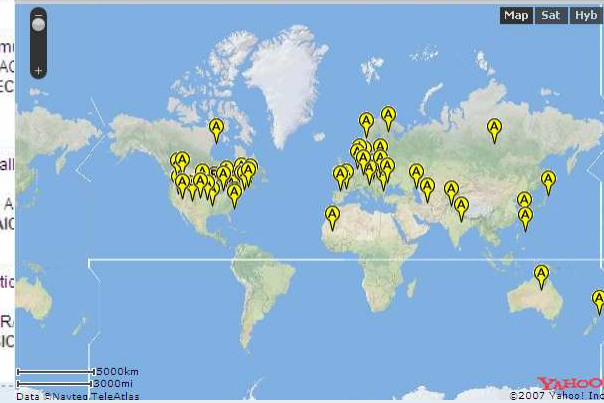


Publication List: Citation Metrics

This graph shows the number of times the articles on the publication list have been cited in each of the last 20 years. Note: Only articles from ISI Web of Knowledge with citation data are included in the calculations. [More information about these data.](#)



Total Articles in Publication List: 43
 Articles With Citation Data: 43
 Sum of the Times Cited: 408
 Average Citations per Article: 9.49
 h-index: 12
 Last Updated: 04/19/2009 23:21 GMT



Knowledge Management: WoK "Indexing Backbone"; Specialized Taxonomies; TR OpenCalais

Refine Results

Search within results for

General Categories

- SCIENCE & TECHNOLOGY (6,009)
- SOCIAL SCIENCES (107)
- ARTS & HUMANITIES (11)

Subject Areas

- GENETICS & HEREDITY (4,158)
- BIOCHEMISTRY & MOLECULAR BIOLOGY (4,096)
- DEVELOPMENTAL BIOLOGY (3,551)
- CELL BIOLOGY (3,412)
- NEUROSCIENCES & NEUROLOGY (2,355)

Document Types

- ARTICLE (3,858)
- MEETING (1,221)
- REVIEW (779)
- ABSTRACT (819)
- EDITORIAL (88)

Authors

- MCMAHON, AP (98)
- TABIN, CJ (54)
- BEACHY, PA (51)
- MUENKE, M (51)
- HUI, CC (48)

Source Titles

Publication Years

Languages

Analyze Results

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 - Microorganisms
 - Bacteria
 - Viruses

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Welcome to the Index to Organism Names (ION)

The most comprehensive organism names database

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Show RDF Entry Page

Entities:

- Continent
 - Asia (C:1 R:32%)
- Country
 - India (C:1 R:32%)
- Medical Condition
 - depression (C:1 R:16%)
- Medical Treatment
 - incision (C:6 R:82%)
- Natural Feature
 - Himalayan (C:1 R:27%)
 - Tibetan plateau (C:3 R:74%)
 - Tsangpo (C:1 R:34%)
 - Tsangpo gorge (C:1 R:10%)
- Position
 - Author (C:1 R:34%)

Events & Facts:

- Generic Relations
 - Quaternary depression of the regional equilibrium

Date

2009-03-20

Body

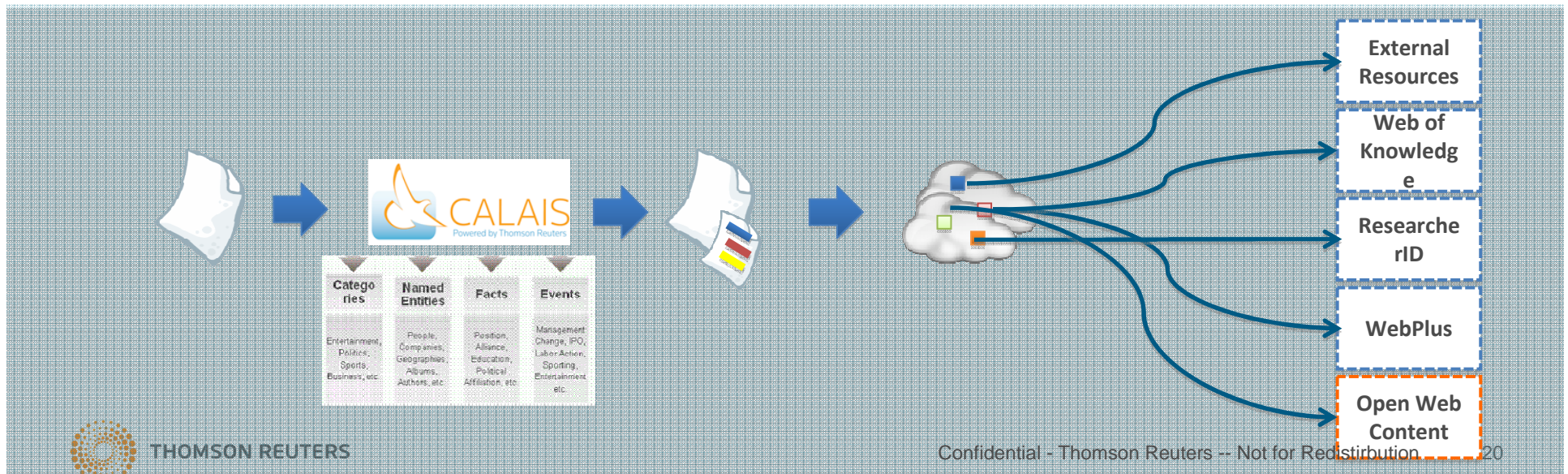
Tibetan plateau river **incision** inhibited by glacial stabilization of **the Tsangpo** gorge

Author(s): Korup O (Korup, Oliver)1, Montgomery DR (Montgomery, David R.)2
Source: NATURE Volume: 455 Issue: 7214 Pages: 786-U4 Published: OCT 9 2008

Abstract: A considerable amount of research has focused on how and when **the Tibetan plateau** formed in the wake of tectonic convergence between **India** and **Asia**(1). Although far less enquiry has addressed the controls on river **incision** into the plateau itself(2), widely accepted theory(3) predicts that steep fluvial knick points (river reaches with very steep gradients) in the eastern **Himalayan** syntaxis at the southeastern plateau margin should erode rapidly(4), driving a wave of **incision** back into the plateau. Preservation of the plateau edge thus presents something of a conundrum that may be resolved by invoking either differential rock uplift matching erosional decay(5-7), or other mechanisms for retarding bedrock river **incision**(8,9) in this region where high stream power excludes the potential for aridity as a simple limit to dissection of the plateau(10). Here we report morphologic evidence showing that Quaternary **depression** of the regional equilibrium line altitude, where long-term glacier mass gain equals mass loss, was sufficient to repeatedly form moraine dams on major rivers: such damming substantially impeded river **incision** into the southeastern edge of **the Tibetan plateau** through the coupled effects of upstream impoundment and interglacial aggradation. Such glacial stabilization of the resulting highly focused river **incision** centred on **the Tsangpo gorge** could further contribute to initiating and accentuating a locus of rapid exhumation, known as tectonic anaerurysm(6).

How Semantic Data Mining Works

- A semantic metadata generation service that extracts entities, facts and events from unstructured text
- Creates linkages from extracted entities to linked data
- Provides a transportation layer for rich semantic metadata from resources to users



Development Goals for Data mining

- **Automate:** Automatically tag the people, places, facts and events in your content to increase its value and interoperability.
- **Enhance:** Enrich resources with data from authoritative content from the Web of Knowledge and ResearcherID.
- **Engage:** Optimize your researcher's experience, optimize engagement and drive repeat visits.
- **Extend:** The researchers access to scholarly information
- **Connect:** Integrate identified resources with a rapidly evolving ecosystem of enriched and interconnected scholarly content.



Thank You

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