Tracking research impact beyond the traditional data sources

Research Impact Measurement Team
NUS Libraries
2 Oct 2019
<table>
<thead>
<tr>
<th>Research Impact Library Guide</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>FoE / SoC / SDE / Law / LKYSPP</th>
<th>Science / YLLSOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irine Tanudjaja,</td>
<td>Amy Chou,</td>
</tr>
<tr>
<td><a href="mailto:irine.tanudjaja@nus.edu.sg">irine.tanudjaja@nus.edu.sg</a></td>
<td><a href="mailto:amy.chou@nus.edu.sg">amy.chou@nus.edu.sg</a></td>
</tr>
<tr>
<td>Esther Ng,</td>
<td>Thun Wendy,</td>
</tr>
<tr>
<td><a href="mailto:clbnxe@nus.edu.sg">clbnxe@nus.edu.sg</a></td>
<td><a href="mailto:clbtw@nus.edu.sg">clbtw@nus.edu.sg</a></td>
</tr>
<tr>
<td>FASS / School of Business</td>
<td></td>
</tr>
<tr>
<td>Richard Ho,</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:clbhcyr@nus.edu.sg">clbhcyr@nus.edu.sg</a></td>
<td></td>
</tr>
</tbody>
</table>
Some questions you may have...

• My works are **not well covered in Scopus or Web of Science**. Can I still track their **citation counts**?

• I would like to track the impact of my **books**, how can I do that?

• Besides citation counts and related metrics, are there **other ways** to show the impact of my work?
Definition of research impact

“the demonstrable contribution that excellent research makes to society and the economy”
Types of Impact

- Academic
- Commercial
- Innovation
- Education
- Societal

Informational

- Bibliometrics
- Academic book review
- Awards

Academic

- No of library holdings (OCLC)
- Views on Slideshare

Commercial

- Patents citation
- Academic Industry collaboration
- Consultancies

Societal

- Patents filed or granted

Innovation

- News mention
- Policy document mention
- Clinical citation

Education

- Wikipedia mention
- Blog mention

Types of Impact

- Consultancies

Diagram Description:

- Bibliometrics: Includes academic book review and awards.
- Academic: Refers to no of library holdings (OCLC) and views on Slideshare.
- Commercial: Includes patents citation, academic industry collaboration, and consultancies.
- Innovation: Mentions news, policy, and clinical citations.
- Education: Mentions Wikipedia and blog mentions.
- Societal: Includes patents filed or granted.
- Informational: Represents bibliometrics and academic book review.
## Section of P&T Dossier Preparation

*Examples of evidence to include in one’s dossier – contributions to research*

<table>
<thead>
<tr>
<th>Evidence related to research impact (Examples)</th>
<th>• Citation and impact analysis of research output;</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Consultancy opportunities that indicate one’s professional impact in the field and draw on one’s expertise and standing as a researcher, documenting outcomes and highlighting impact;</td>
<td></td>
</tr>
<tr>
<td>• Translational research and impactful improvements or innovations in professional practice and design;</td>
<td></td>
</tr>
<tr>
<td>• Patents/provisional patents (including list of co-holders);</td>
<td></td>
</tr>
<tr>
<td>• Commercialisations from one’s work</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other evidence of research achievement (Examples)</th>
<th>• Research grants;</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Research or design awards received;</td>
<td></td>
</tr>
<tr>
<td>• Sample copies of up to five significant works;</td>
<td></td>
</tr>
<tr>
<td>• Reviews of books and edited books;</td>
<td></td>
</tr>
<tr>
<td>• Publishers’ referee reports;</td>
<td></td>
</tr>
<tr>
<td>• Newspaper articles/newsletters highlighting one’s research</td>
<td></td>
</tr>
</tbody>
</table>

---

*P & T Dossier preparation*
Learning Outcomes

1. Learn to use **Publish or Perish** to:
   i. Generate research metrics for a researcher **with** a Google Scholar profile
   ii. Generate research metrics for a researcher **without** a Google Scholar profile

2. Learn about **resources** to track other evidence of research impact:
   i. News mentions
   ii. Book reviews
   iii. Citation by policy documents
   iv. Others
Use Publish or Perish (PoP)

To retrieve Google Scholar citations
### 3 Major databases for citation analysis

<table>
<thead>
<tr>
<th>Elsevier</th>
<th>Clarivate Analytics</th>
<th>Google</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scopus</strong></td>
<td><strong>Web of Science (Core collection)</strong></td>
<td><strong>Google Scholar</strong></td>
</tr>
<tr>
<td>22,748 journals</td>
<td>18,000 journals</td>
<td></td>
</tr>
<tr>
<td>8 million conference paper</td>
<td>10 million conference papers</td>
<td></td>
</tr>
<tr>
<td>150,000 books</td>
<td>94,000 books</td>
<td></td>
</tr>
<tr>
<td>39 million patents records</td>
<td>1900 onwards</td>
<td></td>
</tr>
<tr>
<td>• 1996 onwards, going back to 1970+</td>
<td>• Weekly update</td>
<td></td>
</tr>
<tr>
<td>• Daily update</td>
<td>• Subscription</td>
<td></td>
</tr>
<tr>
<td>• Subscription</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **SciVal**: Subscription
- **InCites**: No Subscription
- **Publish or Perish**: Free
Why Google Scholar?

• Scopus and Web of Science have similar coverage

• Google Scholar provides **broader coverage**
  ✓ **International** and non-English journals (Meho & Yang, 2007)
  ✓ **Conference proceedings** (Meho & Yang, 2007)
  ✓ Better coverage for **certain disciplines**, for example, Mathematics, Computer Science, Social Science and others (Kousha & Thelwall, 2007; Bornmann et al., 2009)
• Scholarly materials from journal articles, conference papers, theses and dissertations, academic books, pre-prints, abstracts, technical reports and others
• Do not index journals but papers
GS – Advanced Search

• Boolean Operator search (must be in **capital letter**, e.g. OR, AND)
• Option to limit by year or by journal title
• Option to search in title or all fields
Publish or Perish

• Created by Prof Anne W. Harzing

• **Retrieves, merges and analyses** Google Scholar citations to get the following metrics:
  - Total number of citations
  - Average number of citations per paper
  - h-index and other metrics

To download - [https://harzing.com/resources/publish-or-perish](https://harzing.com/resources/publish-or-perish)
The image shows a screenshot of a software interface, specifically a search results page in Harzing's Publish or Perish (Windows GUI Edition) 7.12.2505.7183. The interface includes a search bar with options to select search terms, sources, papers, cites, and other parameters. The table on the right displays columns for title, year, publication, publisher, and type, with additional columns for cites, per year, rank, authors, title, year, publication, publisher, and type. The interface also includes buttons for importing external data and selecting data sources such as Crossref, Google Scholar, and Scopus.
## GS author metrics in PoP

<table>
<thead>
<tr>
<th>Method</th>
<th>Preferred search techniques</th>
<th>Example</th>
<th>Most common problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name variants</td>
<td>1. “Single initial + Family name”</td>
<td>“v lim”</td>
<td>Retrieve incorrect publications</td>
</tr>
<tr>
<td></td>
<td>2. “Multiple initials + Family name”</td>
<td>“vkg lim”</td>
<td>Miss publications with single initial</td>
</tr>
<tr>
<td></td>
<td>3. “First name + Family name”</td>
<td>“Vivien lim”</td>
<td>Miss publications with initial</td>
</tr>
<tr>
<td></td>
<td>4. Two author names separated by AND will report co-authored papers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. Two author names separated by OR will report paper authored by either author (or name variants of one author).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Google Scholar Profile</td>
<td>Try searching with the most unique element(s) of an academic’s name.</td>
<td></td>
<td>Only works if academic in question has created and updated the profile, and make it public.</td>
</tr>
</tbody>
</table>
Let’s generate the author metrics for Prof Lim Kim Geok, Vivien

1. Search by Google Scholar Profile
2. Search by name variants

https://bizfaculty.nus.edu.sg/media_rp/cv/61cDt1521776434.pdf
Name variants – from CV or past publications


### Google Scholar Profile search

**Profile name:** Vivien Lim - Deputy Head, Dept of Management and Organization, National University of Singapore

**Profile ID:** HCSFUGAAAAA3

**Organizational Behavior**

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>New</th>
<th>Annual citations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999</td>
<td>358</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>366</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>2001</td>
<td>435</td>
<td>69</td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>548</td>
<td>113</td>
<td></td>
</tr>
<tr>
<td>2003</td>
<td>548</td>
<td>113</td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>702</td>
<td>174</td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>878</td>
<td>214</td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>1092</td>
<td>245</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>1314</td>
<td>305</td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>1508</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>1874</td>
<td>456</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>2211</td>
<td>462</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>2597</td>
<td>609</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>3501</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>3560</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>4097</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>4740</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>5485</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>6268</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>7004</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>76157</td>
<td>997</td>
<td></td>
</tr>
</tbody>
</table>

**Results**

**Publication years:** 1999-2019

**Citation years:** 40 (1979-2019)

**Papers:** 150

**Citations:** 8350

**Cites/year:** 208.79

**Cites/paper:** 52.85

**Authors/paper:** 5.27

**h-index:** 41

**g-index:** 95

**N-Limit:** 32

**Papers with ACC := 1,2,5,10,20:** 72,59,35,16,8

| Cites | Per year | Rank | Authors | Title | Year | Publication | Publisher | Type
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1516</td>
<td>80.80</td>
<td>1</td>
<td>TSH Teo, VKG Lim</td>
<td>Intrinsic and extrinsic motivation...</td>
<td>1999</td>
<td>Omega</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>757</td>
<td>43.35</td>
<td>2</td>
<td>VKG Lim</td>
<td>The IT way of loafing on the job...</td>
<td>2002</td>
<td>Journal of Organizational Behavior</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>674</td>
<td>67.40</td>
<td>3</td>
<td>K Aquino, D Free...</td>
<td>Testing a social-cognitive model...</td>
<td>2009</td>
<td>Journal of Personality and Social Psychology</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>445</td>
<td>19.26</td>
<td>4</td>
<td>VKG Lim</td>
<td>Job insecurity and its outcomes...</td>
<td>1996</td>
<td>Human Relations</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>261</td>
<td>11.86</td>
<td>5</td>
<td>VKG Lim, TSH Teo</td>
<td>Sex, money and financial hardship...</td>
<td>1997</td>
<td>Journal of Economic Psychology</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>221</td>
<td>22.10</td>
<td>6</td>
<td>PP Heugens, M Va...</td>
<td>Meta-analyzing ownership concer...</td>
<td>2009</td>
<td>Asia Pacific Journal of Management</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>216</td>
<td>30.86</td>
<td>7</td>
<td>VKG Lim, DJQ Chen</td>
<td>Cyberloafing at the workplace...</td>
<td>2012</td>
<td>Behaviour &amp; Information Technology</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>212</td>
<td>15.14</td>
<td>8</td>
<td>VKG Lim, TSH Teo</td>
<td>Prevalence, perceived seriousness...</td>
<td>2005</td>
<td>Information &amp; Management</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>28.57</td>
<td>9</td>
<td>DT Wagner, CM Ra...</td>
<td>Lost sleep and cyberloafing: Evid...</td>
<td>2012</td>
<td>Journal of Applied Psychology</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>189</td>
<td>9.95</td>
<td>10</td>
<td>TSH Teo, VKG Lim</td>
<td>Gender differences in internet use...</td>
<td>2000</td>
<td>Behaviour &amp; Information Technology</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>168</td>
<td>8.88</td>
<td>11</td>
<td>VKG Lim, TSH Teo</td>
<td>How do I loaf here? Let me count...</td>
<td>2002</td>
<td>Communications of the Association for Information Systems</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>167</td>
<td>23.00</td>
<td>12</td>
<td>DJQ Chen, VKG Lim</td>
<td>Strength in adversity: The influ...</td>
<td>2012</td>
<td>Journal of Organizational Behavior</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>16.10</td>
<td>13</td>
<td>VKG Lim, TSH Teo</td>
<td>Mind your E-mail: Impact of...</td>
<td>2009</td>
<td>Information &amp; Management</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>6.32</td>
<td>14</td>
<td>VKG Lim</td>
<td>Moderating effects of work-base...</td>
<td>1997</td>
<td>Work &amp; Stress</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>7.44</td>
<td>15</td>
<td>TSH Teo, VKG Lim</td>
<td>The effects of perceived justice...</td>
<td>2001</td>
<td>International Journal of Research in Natural Sciences</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>7.39</td>
<td>16</td>
<td>VKG Lim, SKB See</td>
<td>Attitudes toward, and intentions t...</td>
<td>2001</td>
<td>Ethics &amp; Behavior</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>5.33</td>
<td>17</td>
<td>HN Ng, YL Pan, TD ...</td>
<td>Business use of the World Wide...</td>
<td>1998</td>
<td>International Journal of Information Systems</td>
<td>Journal article</td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>6.28</td>
<td>18</td>
<td>VKG Lim</td>
<td>Gender differences and attitude...</td>
<td>2002</td>
<td>Journal of Computer Information Systems</td>
<td>Journal article</td>
<td></td>
</tr>
</tbody>
</table>
Search by name variants
Accuracy of Adrenal Imaging and Adrenal Venous Sampling in Predicting Surgical Cure of Primary Aldosteronism

Vivien Lim, Qingshu Guo, Clive S. Grant, Geoffrey B. Thompson, Melanie L. Richards, and Craig C. Photis

JCEM | Volume 99, Issue 8 | 1 August 2014

Article Contents
Materials and Methods
Results
Discussion
Acknowledgments

Adrenal venous sampling (AVS), the criterion standard localization procedure, is critical in the management of primary aldosteronism (PA). A study was performed to determine the accuracy of adrenal imaging and AVS in predicting surgical cure of primary aldosteronism. AVS was performed in 33 patients with PA and the results were compared with postoperative aldosterone suppression and plasma renin activity (PRA) levels. AVS-guided surgical cure was achieved in 20 patients, and AVS was accurate in identifying the side of the adenoma in 19 patients. AVS was found to be more accurate in predicting surgical cure than adrenal imaging. These findings suggest that AVS should be used as the standard localization procedure for primary aldosteronism.
Hands-on (10 mins)

• Search by name variants
• Search by Google Scholar Profile

The occupations covered range from the more traditional (farmer, ao dai traditional female dress tailor, rice liquor maker, statue craftsman, fish seller, knife sharpener) to the more modern (KFC employee, electronics factory worker, wedding planner, multilevel marketer) and from the lower ...
Limitations of PoP (1)

- Google Scholar has no API, as such the metadata scraped by PoP can be incomplete.

- PoP can be slow when searching and encounter captcha.
Limitations of PoP (2)

• Affected by **Google Scholar limitations:**
  - Author ambiguity issue
  - Incorrect metadata resulting in multiple versions of a publication
  - Cannot remove self-citations
Merging multiple versions at GS profile

• Select the relevant entries
• Click on Merge
• Select the best version
Google Scholar profile

**Pros**

- Can generate metrics for a researcher easily
- Can export publications as BibTeX, which can then be imported into Elements or ORCID iD

**Cons**

- No one police it
- Should be updated to be accurate
Alternative Metrics

an alternative view of research impact beyond just citations
Alternative Metrics

- Speed
- Measures impact beyond academia
- Diversity of research outputs
- Complementary

Bornmann (2014)
## Sources of alternative metrics

<table>
<thead>
<tr>
<th></th>
<th>Book Reviews</th>
<th>News mentions</th>
<th>Policy Mentions</th>
<th>Social media mentions</th>
<th>Mendeley Readers</th>
<th>Book Holdings</th>
<th>Views &amp; Downloads</th>
<th>Legal Citations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Book Review Digest Plus</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Factiva</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nexis Uni</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Altmetric</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WorldCat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Amazon &amp; GoodReads</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional Repositories</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>
1. Book Review Digest Plus

*academic book reviews*

• Library subscribed database

• Provides access to book reviews on a wide range of topics from a variety of sources, including newspapers, review journals and popular magazines
  • More than 938,000 full-text book reviews
  • Nearly 2.2 million review citations
  • Coverage dating back to 1981

Access Ebsco’s Book Review Digest Plus
### Using Book Review Digest Plus

**Basic Search**

**Searching:** Book Review Digest

- **Gerard Sasges**

**Advanced Search**

<table>
<thead>
<tr>
<th><strong>Entry</strong></th>
<th><strong>Title</strong></th>
<th><strong>Author</strong></th>
<th><strong>Publication</strong></th>
<th><strong>Subjects</strong></th>
</tr>
</thead>
</table>
2. Factiva

*book reviews, news mentions*

- Library subscribed database

- Global news database of 33,000 premium sources, including licensed news publications, influential websites and blogs

- Source of potential book reviews, newspaper mentions, award mentions etc.

- List of Factiva’s [sources](#)
Using Factiva

“Brenda Yeoh”
3. Nexis Uni

*book reviews, news mentions, legal citations*

- Library subscribed database, formerly known as LexisNexis Academic
- Nexis Uni features more than 15,000 news, business and legal sources
- Source of potential book reviews, newspaper mentions, award mentions, and legal article citations
Using Nexis Uni

Results for: "Brenda Yeoh"

Law Reviews and Journals (6)

1. Article: Immigrant Entrepreneurs in Bankruptcy
   Rafael Efrat** Associate Professor, College of Business & Economics, California State University, Northridge, J.D., 2002, L.S.M., 1998, Stanford Law School; J.D., 1992, University of Southern California. I would like to acknowledge the cooperation I received from the Executive Office of the United States Trustee, the Clerk of the Court for the United States Bankruptcy Court, Central District of California, as well as the Assistant United States Trustee for the San Fernando Valley Division of the United States Trustee's Office, Jennifer L. Braun. I would also like to express my appreciation for the data-gathering efforts of my research assistants: Joseph W. Berniman, Scott Cohn, Ryan McNicholas, Edward Morales, Collette Y. Schmidt, Cheri Lynn R. Teagues, and Tanya Vannoy. I am particularly grateful for the invaluable contribution of my lead research assistant and project manager, Carlos Gallardo.
   -- American Bankruptcy Law Journal
   Transnational Societies, Multicultural Contacts, and Imaginings Home 61, 61 (Brenda Yeoh et al. eds., 2002)
   (Canadian employers do not recognize the credentials...)

2. Article: Spaces for Feminism in Geography
   Law Reviews and Journals | California | Sep 01, 2000
   By Lynn A. Stueh and Patricia M. Martin
   Lynn A. Stueh is an associate professor at the University of Colorado, Boulder. Her research interests include feminist perspectives on democracy and citizenship; community activities; public space; and transnational migration.
   Patrick Martin is a Ph.D. student at the University of Colorado, Boulder. Her research interests include feminist perspectives on the construction and politics of identity; the politics of globalization; and democratization in Latin America.
   The Annals of the American Academy of Political and Social Science
   Their families. These practices shape the space economy of the region. Brenda Yeoh and Katie Willis (1999) examine the ways in which regional development...
4. Altmetric

• Altmetric is a system that tracks the attention that research outputs such as scholarly articles and datasets receive online. It pulls data from:
  • Mainstream media
  • Blogs
  • Social Media – Twitter, Facebook, Reddit etc.
  • Reference Managers – Mendeley
  • Policy documents – Governments and NGOs

• List of Altmetric’s sources [sources]
Using Altmetric Bookmarklet

• A free tool that allows you to instantly see Alternative Metrics for any published materials with a DOI

Install Altmetric Bookmarklet

Try it on this article!
Using Altmetric Bookmarklet
Altmetric Explorer

citations by policy documents

In the top 25% of all research outputs scored by Altmetric

SUMMARY
Policy documents Scopus

So far, Altmetric has seen 2 policy documents that reference this output.

Influence of regional factors on the implementation of public private partnerships to promote competitiveness of regional value chains (VC): a comparative case study of the value chain "cocoa/chocolate" in the regions of Santander and Antioquia (Colombia)

Study on the social impact of ICT - EU Law and Publications

Making Global Value Chains Work for Development

Corporate Clustering in Australian Cities: An analysis of the geographic distribution of ASX-listed headquarters

Joining, Upgrading and Being Competitive in Global Value Chains: A Strategic Framework
5. WorldCat

*book holding information*

- Search for book holdings in academic libraries
6. Amazon or Good Reads

*book reviews from wider audience*

---

**It's a Living: Work and Life in Vietnam Today**

by Gerard Sasges (Goodreads Author) (Editor)

4.19 • Rating details • 64 ratings • 18 reviews

Through 67 interviews and 59 photographs, It’s a Living reveals

---

**Daniel rated it ★★★★★** • review of another edition

Feb 18, 2014

At first I thought Andrew Pham was exaggerating when he wrote in the foreword that this was the best non-fiction book on Vietnam he read in a decade. After reading it myself, I agree with him. It’s amazing how an excellent non-fiction book like this is not mainly based on research, but simply on the stories, thoughts and perspectives of usually fairly normal people. It is hard to imagine or explain how rich these stories can be. This book gives you a feel of what life in Vietnam is like. It is n

---

**Hai rated it ★★★★★** • review of another edition

Dec 08, 2016

Guyện sách được viết theo hình thức ngắn gọn súc mạnh trong mối câu chuyện về một nghề nghiệp; mà không gán ra câu hỏi đặ c của ngành nghề vân, điều này giúp câu chuyện được trình bày tự nhiên. Các nghề nghiệp được phân nhóm như nhóm nghề Chăm sóc, Đào Tù, Đơn Độc, v.v...

Đối với tôi là một trong những người trải dăng chắp bông vào trường đơi, quyển sách này thực sự là một nguồn cập vấn sống quý báu: độ chính là nhân quan rộng mở hơn và sự tôn trọng với tất cả mỗi từng lặp lão d
7. Institutional Repositories

number of views, downloads, and other altmetrics

ScholarBank@NUS is the university’s Institutional Repository (IR). Its goals are to collect, preserve and showcase the research output of NUS researchers and departments and through this, increase the research visibility of our researchers’ works and demonstrate NUS’ research excellence to the world.
Dr. Gerard Sasges

**Traditional metrics**
- Citation counts
- h-index

**Alternative metrics**
- Books are held by many academic libraries worldwide
- Many academic book reviews written for his books
- Good ratings and reviews from Goodreads and Amazon
- Mentioned by news outlets in Vietnam
To end off our discussion today...

FAST TRACK COMMUNICATION

Can apparent superluminal neutrino speeds be explained as a quantum weak measurement?

M V Berry¹, N Brunner¹, S Popescu¹ and P Shukla²

¹ H H Wills Physics Laboratory, Tyndall Avenue, Bristol BS8 1TL, UK
² Department of Physics, Indian Institute of Technology, Kharagpur, India

Received 12 October 2011, in final form 27 October 2011
Published 11 November 2011
Online at stacks.iop.org/JPhysA/44/492001

Abstract
Probably not.

PACS numbers: 03.65.Ta, 03.65.Xp, 14.60.Pq

If recent measurements [1] suggesting that neutrinos travel faster than light survive scrutiny, the question of their theoretical interpretation will arise. Here we discuss the possibility that the apparent superluminality is a quantum interference effect, that can be interpreted as a weak measurement [2–5]. Although the available numbers strongly indicate that this explanation...
PREPARING FOR P&T: A resource for pre-tenure faculty

By the Office of the Provost, National University of Singapore

SAMPLE SECTIONS OF THE P&T DOSSIER
Examples of how selected sections of the P&T dossier may be presented

CONTENTS

1. Teaching history: A summary of modules taught and student feedback received
2. Teaching history: Honours and graduate students supervised
3. Reflection on student feedback
4. Reflection on results of self-administered student feedback
5. Record of teaching-related courses
6. Record of innovative and effective pedagogies in modules taught with positive student outcomes
7. Contributions to module and curriculum development
8. Future plans (Education)
9. Research programme: Explanation of one’s research standing in the field
10. Statement on contributions to co-authored publications
11. Citation and impact analysis of research output
12. Invitations to review
13. Research grants
14. Research awards/prizes
15. Future plans (Research)
16. Service contributions
17. Errors in P&T dossiers that should be avoided

Note: More information on strategies for preparing and presenting an effective dossier may be found in the Tenure Resource Book (see Section 4).
## Research Impact Library Guide

**FoE / SoC / SDE / Law / LKYSPP**
- Irine Tanudjaja, irine.tanudjaja@nus.edu.sg
- Esther Ng, clbnxe@nus.edu.sg

**FASS / School of Business**
- Richard Ho, clbhcyr@nus.edu.sg

**Science / YLLSOM**
- Amy Chou, amy.chou@nus.edu.sg
- Thun Wendy, clbtw@nus.edu.sg
HAVE A MINUTE?
HELP US IMPROVE

j.mp/RU_feedback
Additional resources

• PoP Tutorial
• PoP Book
• Guide to creating GS profile and searching in PoP