David Palmer, Chun-yue Lo, Eliot Liu The University of Hong Kong (HKU) Open Repositories 2012

# Beyond Bibliographic Metadata

Augmenting the HKU IR

## New Mission: Knowledge Exchange (KE)

- 50 To make HKU research, skill and scholars highly visible!
- Mith the expectation that KE indicators will increase,
  - Collaborative research
  - Contract research
  - Media contact
  - Consultation
  - E-science
  - 。等々

## Augmentation Begins,

- DSpace
- Development partner: CILEA of Italy
- So,
  - Publication data great but..,
- Augmenting thin & dirty publication data with,
  - Clean & full metadata
  - o Author profiles → "ResearcherPages"
  - Grants
  - Patents
  - 。等々

### The HKU Scholars Hub 香港大學學術庫







Home

ResearcherPages

**Publications** 

Theses (HKUTO)

**Grants** 

**Patents** 

繁・簡



The HKU Scholars Hub is the institutional repository of The University of Hong Kong. As a key vehicle of HKU's Knowedge Exchange Initiative, The Hub strives to make HKU authors and their research very visible, with the goal of increasing all forms of collaboration.

Do you want to see your publications in the Hub?

QUICK SEARCH OF THE HUB \*

Search the author, title, abstract and series fields.

Please CONTACT US

### FEATURED SCHOLAR



### Dr Hau, TD

Associate Professor

#### Research Interests:

- Transportation economics
- Public finance

### **HUB NEWS**



Jun 2012: HKU Knowledge Exchange Non-Academic Prize awarded to David Palmer and the Hub Team, for their success in making HKU research and scholars highly visible. Go Team!

Apr 2012: DOI numbers added to each of the 19,750 HKU theses. Increased discovery and statistics.

Feb 2012: New design and software for the Hub.

### RELEVANT LINKS

- HKU's Top 1%
- · HKU Authors: OA Publishing
- Usage Stats & Downloads
- · HKU most cited articles in Scopus
- · HKU research on Web of Science
- HKU Research & Scholarship
- · HKU Libraries OA Policy
- HK Open Access Committee
- · Open Access Tracking Project



## Publications!

### **Publication Data**

- Source: HKU Research Output System (ROS)
  - New input methods, EndNote (RIS)
  - Auto-populate using DOI & ISBN

DOI: CrossRef

ISBN: WorldCat

○ → clean metadata comes to the Hub

## Scopus: Bibliographic Rectification

- Funded by HKU University Research Committee & Office of Knowledge Exchange (KEO)
- 50 1,500 HKU author with AU-IDs in Scopus
- Merge variant names
- Disambiguate like named individuals
- > clean & full metadata comes to the Hub



Search | Sources | Analytics | Alerts | My list | Settings Live Chat | Help

Find potential author matches

**Quick Search** Search

Back to results | 1 of 2 Next >

Print | E-mail | Request author detail corrections

### Tam, Paul K H

Find potential author matches

Personal		
Name	Tam, Paul K H	
Other formats	Tam, Paul K.	Tam, Paul
	Tam, Paul Kwong Hang	Tam, P. K.
	Tam, P. K. H.	Tam, P.
	Kwong Hang Tam, Paul	Tam, Paul K. H.
	Tam, P. K. h.	
Author ID	7202539421	
Affiliation	University of Hong Kong, Centre for Reproduction, Development and Growth, Pokfulam Hong Kong	

Documens	335 View Author Evaluator   🕂 Add to my list   🦫 Set alert   🔝 Set feed		
References	5289		
Citations	11692 total citations by 9879 documents View citation overview   > Set alert		
h Index	31 View h-Graph The h Index considers Scopus articles published after 1995		
Co-authors	150 (maximum 150 co-authors can be displayed)		
Web search	69563		
Subject area	Medicine Biochemistry, Genetics and Molecular Biology Immunology and Microbiology More		

### **Documents**

This author has published 3: (Showing the 2 most recent)

Kam, M.K.M., Lee, K.Y., Tam, P.K Generation of NSE-MerCreM tamoxifen inducible Cre acti (2012)PLoS ONE

Jannot, A.-S., Amiel, J., Pelet, A., Verheij, J.B.G.M., Garcia-Barcelo Male and female differential explain parental transmissi origin in Hirschsprung disea (2012)European Journal of Hum

View details of all 335 docum

Inform me when this author ; Scopus:





### Cited by since 1996

This author has been cited 9 (Showing the 2 most recent)

Li, Y., Wang, K., Dai, L., Wang, P. Zhang, J. HapMap-based study of CIP: **HCC susceptibility** (2012) Oncology Letters

Wei, X., Li, H., Miao, J., Zhou, F.,

## Match & Choose Utility

- Match on,
  - o DOI
  - ISBN
  - PMID
  - HKU ROS publication number
  - Scopus number
  - WoS number
  - 。 等々
- Merge completely, or,
  - Element by data element









ResearcherPages

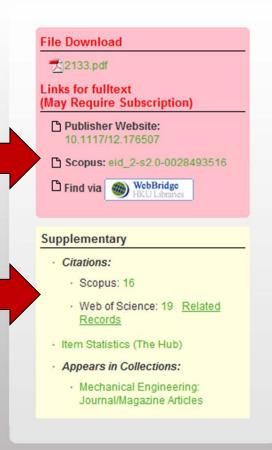
**Publications** 

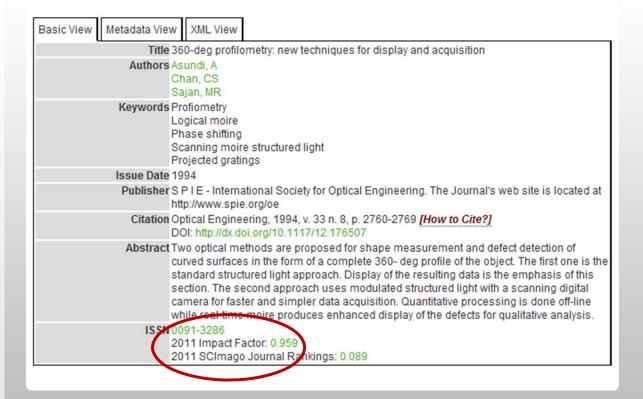
Theses (HKUTO)

Grants

**Patents** 

### Article: 360-deg profilometry: new techniques for display and acquisition







# People!

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Owner	Database	Data
HKU Registry	Communications Directory	Name, email, office, title
ditto	Research Output System (ROS)	Publications data
ditto	ditto	Awards, honours, prizes
ditto	Community Service DB	Editorships, miscellaneous
HKU Registry, Research Services	Research Committee Grants Application System	Grant, PI, Co-I, panel, keywords, funding, etc.
HKU Graduate School	Postgraduate supervision DB	Supervised students, thesis title, date, etc.
Faculty, Department pages	Staff profiles	Research interests, picture, etc.
HKU Communications & Public Affairs (CPAO)	Media Contact Directory	Expertise, languages spoken & written
HKU Tech Transfer Office		Patent data
等々	等々	等々







ResearcherPages

**Publications** 

Theses (HKUTO)

**Grants** 

**Patents** 

繁・簡

### HKU ResearcherPage: Yam, VWW





### Professor Yam, Vivian Wing Wah R 任詠華

- Professor
- Philip Wong Wilson Wong Professor in Chemistry and Energy

### Research Interests:

- Optoelectronic materials
- · Spectrochemical and luminescence chemosensors and biolabels
- · Photochromic and photoswitching materials
- Supramolecular assemblies and organogels
- · Molecular electronics
- Nanoclusters and Nanomaterials

### My URLs:

Personal Page

#### Also Cited As:

Yam, Wing-wah, Vivian Yam, VW

Yam, V













ResearcherPages

**Publications** 

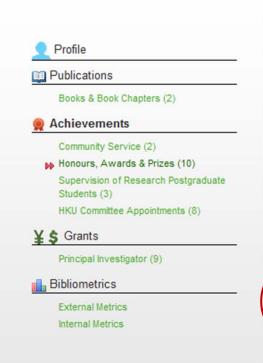
Theses (HKUTO)

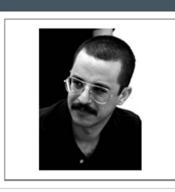
Grants

**Patents** 

繁・簡

### HKU ResearcherPage: Solomon, JD





### Mr Solomon, Jonathan Daniel

- · Acting Head, Dept of Architecture
- Assistant Professor

Honours, Awards & Prizes			
Date	With	Honours / Awards / Prizes	Category
01-05-2010		Appointed co-Curator, U.S. Pavilion at the Venice Architecture Bennale 2010: Department of State, United States of America	Others
01-03-2010	Pryor, MR 💠	Ard Prize, New Links, New Kwun Tong Design Ideas Competition: The Development Bureau, Urban Renewal Authority, Civil Engineering and Development Department of the Hong Kong Special Administrative Region	Research Achievement
01-08-2009		Citation Award: American Institute of Architects Northwest & Pacific Region	Research Achievement
01-05-2009		Merit Award, Open International Ideas Competition for Noise Barrier/Enclosure Design: Highways Department HKSAR, Environmental Protection Department HKSAR, The Government of the Hong Kong Special Administrative Region, The Hong Kong Institute of Architects, The Hong Kong Institution of Engineers, The Hong Kong Institution of Highways and Transportation, The Hong Kong Institute of Landscape Architects	Research Achievement
01-11-2008		Merit Award for Interior Design, Ooibotos Gallery: American	Research Achievement









ResearcherPages

**Publications** 

Theses (HKUTO)

Grants

**Patents** 

繋・簡

### HKU ResearcherPage: Tsui, ABM





### Professor Tsui, Amy Bik May R 徐碧美

- Pro-Vice-Chancellor and Vice-President (Teaching and Learning)
- Chair of Language and Education

Admission Field of Study		Thesis Title
2009 Phd Rong Xiaoyan	English Teacher Education	
2008 Phd Imafuku Rintaro	Sociolinguistics, Discourse Analysis, Problem-based Learning Curriculum	
2005 Phd Yu Baohua	Cross-cultural Psychology and Applied Linquistics	Cross-cultural adaptation and second language acquisition: a study of international students in universities of the People's Republic of China
20 15 Phd Harfitt Gary James	Classroom Interaction, Small Class Teaching	How class size mediates student learning : case studies of Hong Kong secondary schools
2004 MPhi Yu Baohua	Intercultural Communication	
2003 Phd	Process Writing and Learner Autonomy in the	

### HKU ResearcherPage: Ching, WK



Internal Metrics



Dr Ching, Wai Ki R 程瑋琪

Scopus (1996 ~ )		ResearcherID		
AuthorID:	13310265500	RID:	D-3062-2009	
Document Count:	139	Document Count:	88	
Total Citations:	561 total citations by 407 documents	Times Cited:	167	
L. L. Jane	Tot documents	h Index:	8	
h Index:	13	Co-authors:	Collaboration	n Network
Co-authors:	125			
MathSciNet		PubMed		
AuthorID:	605850	Hub items with PubMe	ed ID:	6
Earliest Indexed:	1996	Hub items with PMC IL	):	3
Publications:	75	Citation count of Hub	items in PMC:	4
Citations:	86	Hub items cited in PM	C:	2
Co-Authors:	50			
Mathematics Genealog	av Proiect	J		
GMP ID:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	68662		
Ph.D.:		Chinese University of Hong Kong 1998		
Advisors:		Xunyu Zhou	0	

## **External Sources**

Company	Database
Elsevier	Scopus
ditto	BiomedExperts
Thomson Reuters	ResearcherID, Web of Science
RePEc	
SSRN	
ACM Digital Library	
NIH	PubMed
Google	Google Scholar
Microsoft	MS Academic Search
MathSciNet	
等々	等々

### **▶** ResearcherPage View Count

Item View Count
Item Download Count

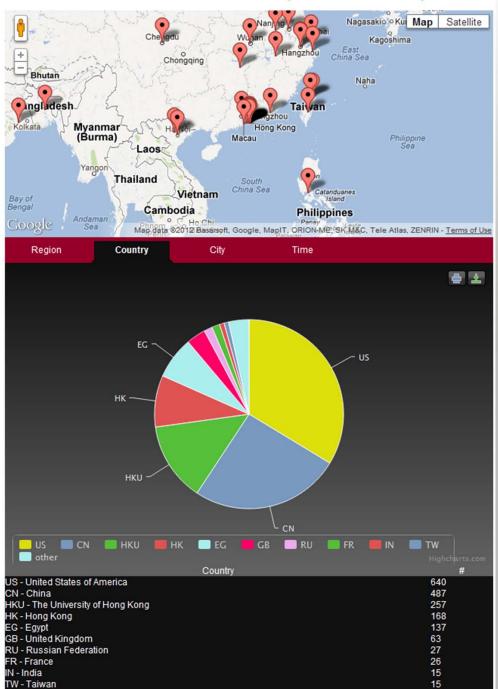
### Setup Email Alerts

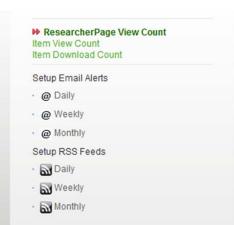
- · @ Daily
- · @ Weekly
- · @ Monthly

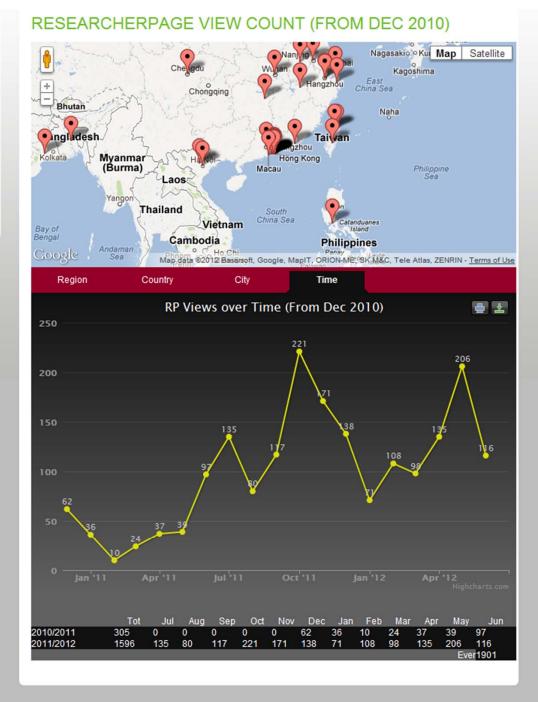
### Setup RSS Feeds

- Daily
- Weekly
- Monthly

### RESEARCHERPAGE VIEW COUNT (FROM DEC 2010)









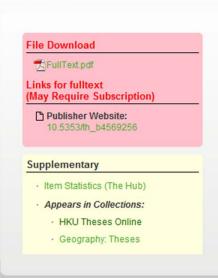
## Theses & Dissertations!

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## Silos, Separate & Unique

- Student Information Service (Registry)
- Library catalogue
- Marvest, match, merge
- Write complete data back to 3 sources & Hub

### Postgraduate Thesis: Quantifying the urban heat island (UHI) intensity in Hong Kong



Basic View Metadata View XML View

Title Quantifying the urban heat island (UHI) intensity in Hong Kong

Authors Siu, Leong-wai

萧亮煌

Issue Date 2011

Publisher University of Hong Kong (Pokfulam Road, Hong Kong)

Abstract The definition and quantification of urban heat island (UHI), the air temperature differences between urban and rural areas, remains problematic. This is due, in large part, to the difficulty of operationalizing the terms "urban" and "rural", especially with regard to classifying the weather stations that provide data. This thesis studies the urban heat island (UHI) intensity in Hong Kong and there are three foci in the research. The first focus of this study is the determination of the urban and rural weather stations in Hong Kong. The Local Climate Zones (LCZ) system has been employed to classify 17 weather stations and field observation was the main technique to collect the necessary metadata. Six field trips were arranged in the summer of 2009 and 2010. Hong Kong Observatory Headquarters (HKO) is considered as the only representative urban station, whilst Tsak Yue Wu station (TYW) is deemed as the representative rural station because of its Forest Zone (NCZ1) classification. Ta Kwu Ling station (TKL) is another reference rural site. The second focus is the quantification of the UHI intensities at six pairs of stations in Hong Kong and their diurnal and seasonal variations. The 19-year annual UHI intensities in Hong Kong suggest that the representative rural sites (TYW and TKL) also record representative UHI intensities for the region. The differences of the cooling rate at urban and rural stations drive the diurnal cycle of urban heat island. The seasonal variations of UHI intensities are also driven by the cooling rate differences of urban and rural stations in different seasons. Since the mean maximum urban cooling rate does not vary considerably throughout the seasons (0.4 - 0.5 °C/hr), it is the alteration of the rural cooling rate (1.0 - 1.6 °C/hr at TYW; 0.9 - 1.2 °C/hr at TKL) which determines the seasonal variations of UHI intensities. The mean daily maximum UHI intensities in Hong Kong are greatest in winter. The final focus is the meteorological impacts on the UHI intensity in Hong Kong. Five meteorological elements, including air temperature, wind speed, vapour pressure, cloud cover, and cooling rate, have been separately investigated to establish their impacts on the UHI intensity. Under fine weather conditions, the first four elements are negatively related to the UHI intensity. Sixteen regression models were built after the use of stepwise procedures which optimize the combination of independent variables. Rural air temperature is considered the most important meteorological factor on the UHI intensity. The models also suggest that there are other factors affecting the UHI intensities in spring and summer.

Advisors Peart, MR \*
Hart, MA \*

Degree Master of Philosophy

Subject Urban heat island - China - Hong Kong.
Urban temperature - China - Hong Kong.

Orban temperature - Onina - i

Dept/Program Geography

DOI http://dx.doi.org/10.5353/th\_b4569256

HKU Library Item ID b4569256



# Grants (Projects)!

❷ 香港大學學術庫 - The HKU Scholars Hub - 香港大學學術庫 ❷







ResearcherPages

Publications

Theses (HKUTO)

Grants

**Patents** 

繁・簡

### Grant: Reinforced concrete coupling beams with embedded steel plate

### General Research Fund (GRF)

Application Eligibility Types of Research

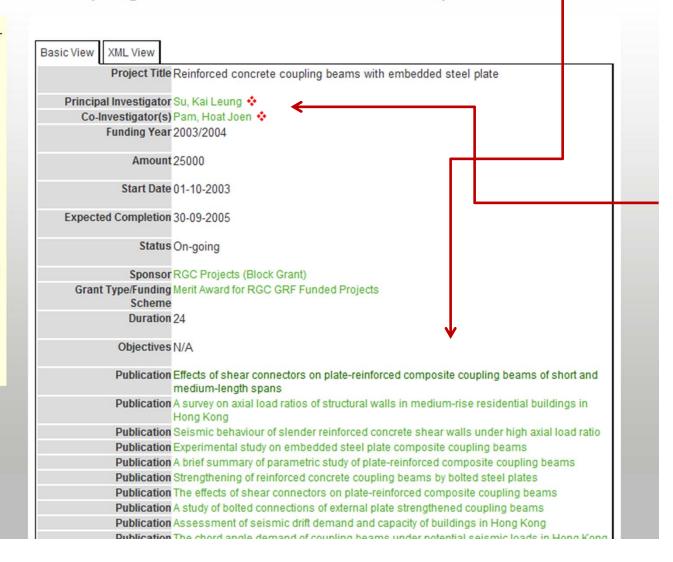
#### Academic Research

- Basic research research for the sake of advancing the frontiers of knowledge regardless of whether it would provide immediate benefit to mankind; and
- Applied research efforts directed at meeting certain functional requirements which involve the application of theories to specific areas or for specific purpose, and/or enhance man's existence in the short to medium term.

#### Contact Research

Efforts which would lead to the delivery of a product or process and could involve both basic and applied research, though the latter is much more prevalent. Contract research is client-specific and is generally sponsored and financed by the client who can be either a private company or a public body or the Government.

Criteria for Consideration of Competitive Bids





## Patents!

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## **Patent Sources**

Country	Source
US	USPTO Derwent
World	Patent Lens Patentscope Espacenet
US, chemistry	SciFinder
EU	European Patent Office
Japan	Japan Patent Office
China	SIPO (State Intellectual Property Office of the PRC)
等々	等々









ResearcherPages

**Publications** 

Theses (HKUTO)

**Grants** 

**Patents** 

Granted Patent: Luminescent Gold (iii) Compounds, Their Preparation, And Lightemitting Devices Containing Same

### File Download

Chm200400181US.htm

### **Patent History**

Application US 10/977,200

2004-10-29

Publication US 20060091378

2006-05-04

US 7572912 Granted

2009-08-11

### Patent Family

WO 2006045235 2006-05-04

CN 10109098946 2008-01-02

US 20090278453 2009-11-12

### Supplementary

- · Item Statistics (The Hub)
- · Appears in Collections:
  - Patents
  - · Chemistry: Patents

Basic View Metadata View

XML View

Title Luminescent Gold (iii) Compounds, Their Preparation, Containing Same

Granted Patent US 7572912

Granted Date 2009-08-11

Priority Date 2004-10-29 US 2004-977200

2005-09-25 WO 2005-CN1589

Inventors Yam, Vivian Wing Wah 💠

Wong, Keith Man Chung 💠

Kwok, Hoi-sing

Zhu, Xiuling

Citation US Patent 7572912. Washington, DC: US Patent and Trademark Office, 2009 [How to

Abstract A class of luminescent gold(III) compounds with a tridentate ligand and at least one strong .sigma.-donating group having the chemical structure represented by the general formula (I): ##STR00001## wherein R.sub.1-R.sub.4 each independently represent the group containing hydrogen, halogen, alkynyl, substituted alkynyl, alkyl, substituted alkyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, alkoxyl, substituted alkoxyl, amino, substituted amino, cyano, nitro, alkylcarbonyl, alkoxycarbonyl, arylcarbonyl, aryloxycarbonyl, mono- or dialkylaminocarbonyl, alkylcarbonyloxy, arylcarbonyloxy, aryloxy, alkoxycarbonyl, aryloxycarbonyloxy group, and the like; X, Y and Z each independently represent a heteroatom or a carbon; ##STR00002## represents an aromatic or heterocyclic 5- or 6membered ring; .alpha, and .beta, each independently represent a bridge for an aromatic or heterocyclic 5- or 6-membered ring or represent a break for non-cyclic moiety; C--X, C--Y and C-Z each independently represent a single bond or double bond; n represents a zero or an integer; p, q and r represent positive integers.

Persistent Identifier http://hdl.handle.net/10722/142108

Cites US 20030040627













ResearcherPages

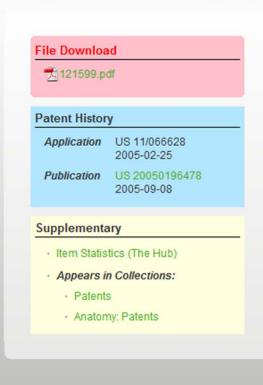
**Publications** 

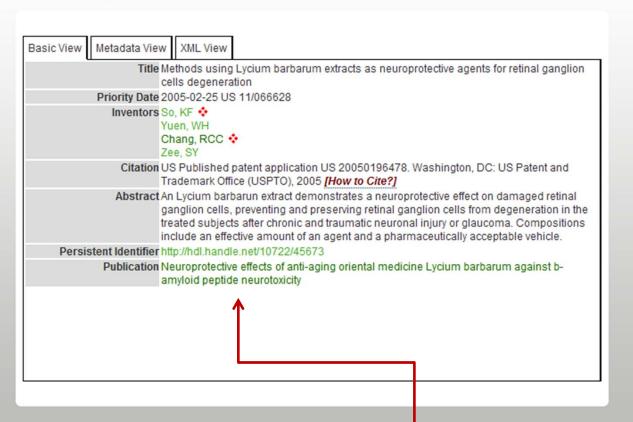
Theses (HKUTO)

**Grants** 

**Patents** 

### Published Patent: Methods using Lycium barbarum extracts as neuroprotective agents for retinal ganglion cells degeneration

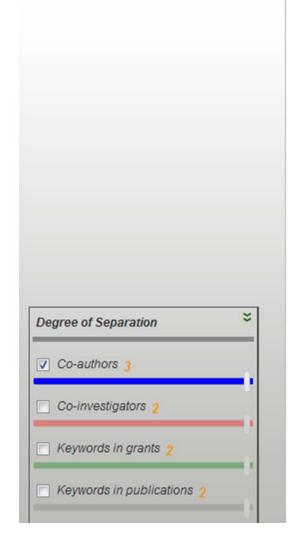


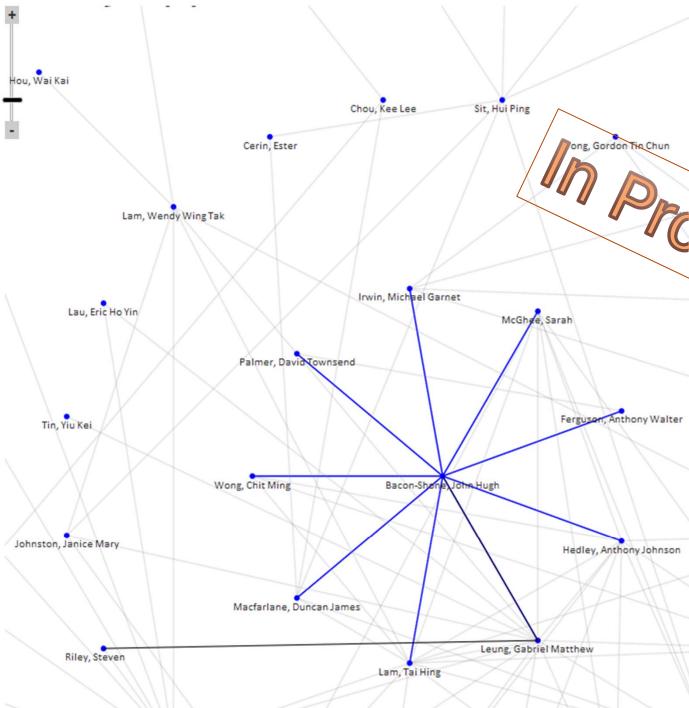




## Visualizations!









Professor Bacon-Shone, John Hugh Associate Dean of Social Science

Dept: Social Sciences
Research Ctr

### AND

### Cognate Researcher

Dr Wong, Chit Ming Associate Professor Dept: Dept of Community

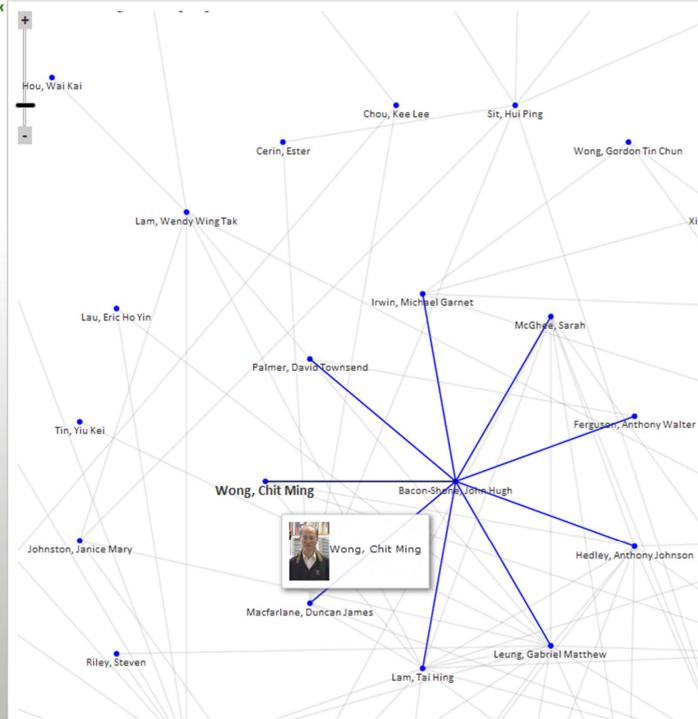
### SHARE

Medicine

### Research Facets

- · Keywords (grants): 2
- Awards: 1
- Publications 5
- · Co-investigators: 6







# Has Visibility Increased?

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### Anecdotal

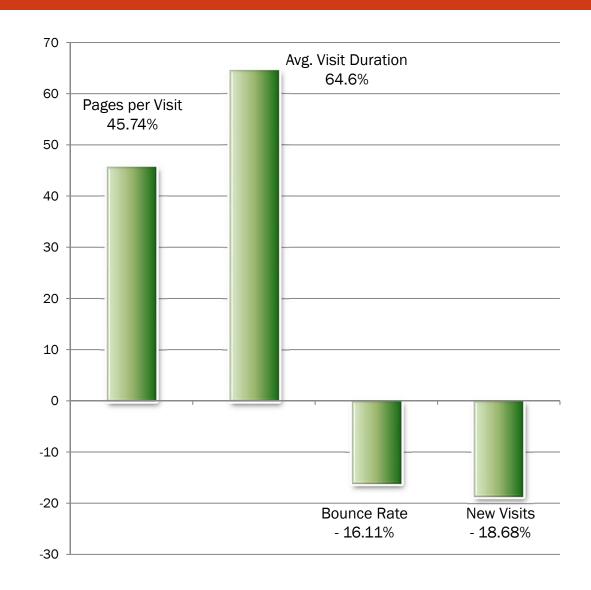
- I must say that the HKU ResearcherPage team did an amazing job. Even without my direct input in the first place, they were able to compile a list of my publications and other accomplishments in a near complete version. After a couple of cycles of communication between the team and myself, I now have a full account of my publications and other accomplishments online that I can share with anyone who might be interested in my research. Best of all, I know that this information is in the safe hands of trained professionals so I don't need to worry about updating and can spend more time on my research.
  - --- Professor, Department of Physiology
- "Many thanks for your works!!! Based on information of my [ResearcherPage], I was chosen as an editor for a new book "Tumor Suppressor Genes" last year." Doctor, Clinical Oncology

## 2009 ~ 2012: % Change

Number of Visits increased667.25%

(SEO) Site has become stickier.

Source: Google Analytics





# DSpace-CRIS Module(s)

😂 香港大學學術庫 - The HKU Scholars Hub - 香港大學學術庫 😘

## Pay it Forward

### 50 The whole lot,

o ResearcherPages, new objects (projects, depts, etc), author cumulated statistics, author editing, SOLR faceted displays, kitchen sink, 等々

### Because,

- HKU's Knowledge Exchange
- Shared code means shared development, mutual benefits
- Packaged in Dspace, Contributed to DSpace in several separate modules & patches
  - o Article metrics, Enhanced statistics, CRIS entities, JSPUI- Dspace-Discovery,等々
  - Not take it entire or leave it.

## If you find valuable,

- Give feedback on the mailing lists:
  - <u>dspace-tech@lists.sourceforge.net</u>
  - <u>dspace-general@lists.sourceforge.net</u>
- powelopers & technicians can go to GitHub, download the code, try to build, report bugs, enhancement requests,等々
  - https://github.com/CILEA/dspace-cris
- so And,
  - Find our poster!
  - Talk to Andrea Bollini of CILEA!



### **HKU** Colleagues

### 港大同僚















謝謝您

Grazie

شكرا لك

Thank You

謝謝您

Grazie धन्यवाद Thank You

謝謝変

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