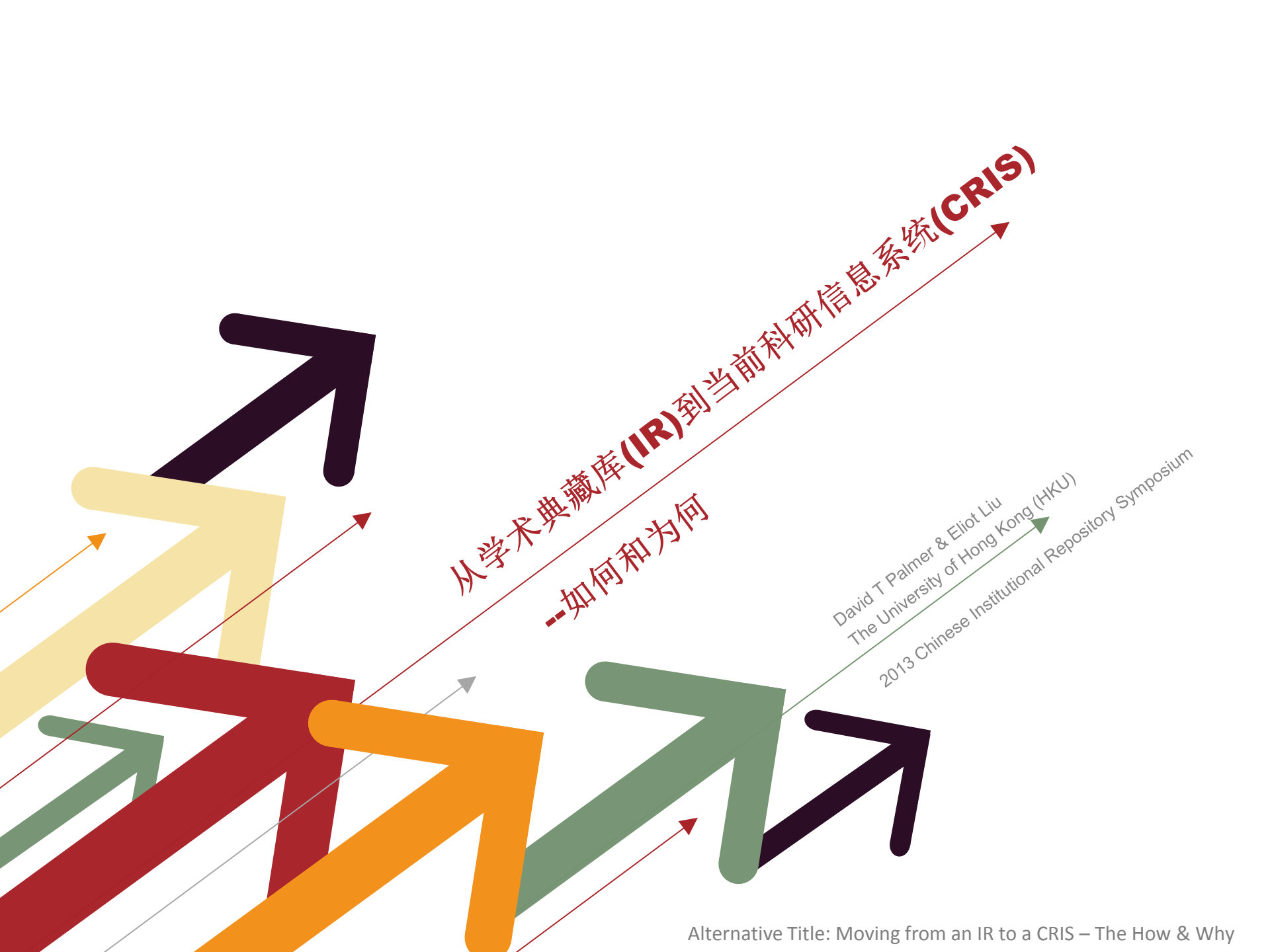




Title	从学术典藏库(IR)到当前科研信息系统(CRIS) - 如何和为何
Author(s)	Palmer, DT; Liu, E
Citation	The 2013 Chinese Institutional Repositority Conference, Kunming, China, 26-28 September 2013.
Issued Date	2013
URL	http://hdl.handle.net/10722/191176
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从学术典藏库(IR)到当前科研信息系统(CRIS)

—如何和为何

David T Palmer & Eliot Liu
The University of Hong Kong (HKU)
2013 Chinese Institutional Repository Symposium



学术典藏库(IR)

定义



→ 学术典藏库

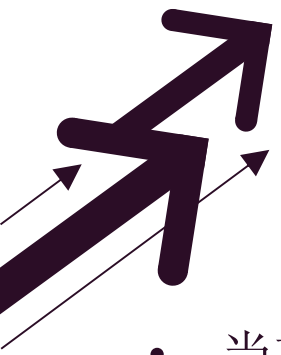
IR: What is it?

- 学术典藏库是(研究)机构将其所创建的成果进行搜集、存储和传播的数字化平台。-- 维基百科(2012年11月)
- 学术机构：期刊论文，学位论文，学习资源
 - 出版物
- 原因
 - 提供开放存取
 - 增加国际知名度
 - 集中内容存储于单一平台
 - 保存
- “An **institutional repository** is an online locus for collecting, preserving, and disseminating - in digital form - the intellectual output of an institution, particularly a research institution” -- Wikipedia (November 2012)
- Academic Institution: journal articles, theses, learning objects
 - → Publications
- Why?
 - Provide Open Access
 - Create global visibility
 - Collect content in a single location
 - Preservation



当前科研信息系统(CRIS)
Current Research Information System
亦称研究资料管理系统 (RIMS)
Research Information Management System

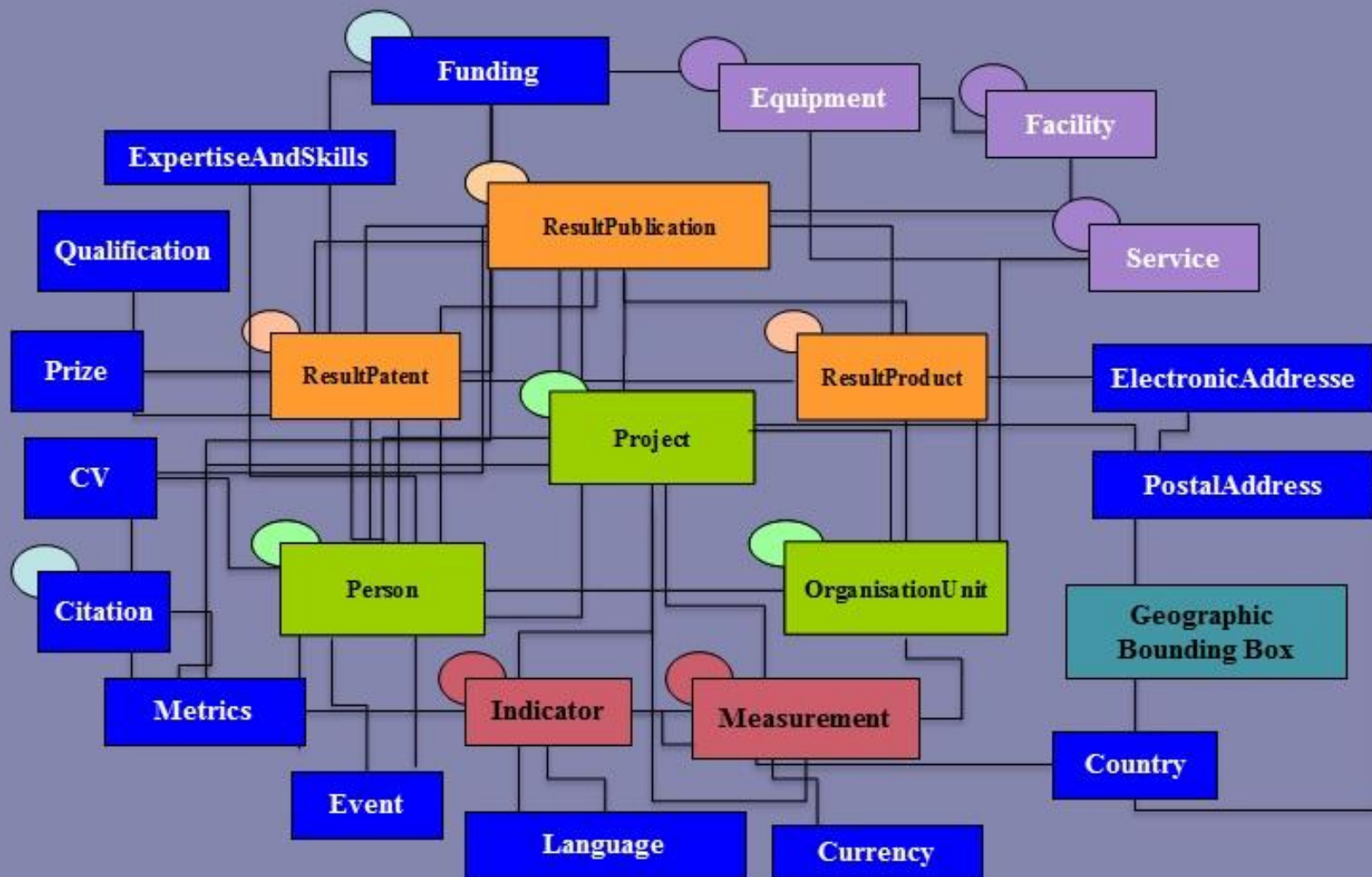
定义



→ 当前科研信息系统(CRIS) CRIS: What is it?

- 当前科研信息系统(CRIS)是用来存取和传播科研信息的工具，内容包括**学者、项目、机构、成果(出版物、专利、产品)、设备和器材等**。-- “EuroCRIS”，[维基百科](#) (2012年11月)
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 - 科研主管 -- 易于分析评估科研活动
 - 科研委员会 -- 优化科研基金分配
 - 企业和技术转移组织 -- 易于获取创新科技与构想、发掘竞争对手及类似研究
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- “A Current Research Information System, commonly known as "CRIS", is any information tool dedicated to provide access to and disseminate research information, such as **People, Projects, Organizations, Results (publications, patents and products), Facilities, and Equipment.**” – “EuroCRIS”, [Wikipedia](#) (Nov 2012)
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 - for research managers and administrators: easy measurement and analysis of research activity
 - for research councils: optimisation of the funding process
 - for entrepreneurs and technology transfer organizations: easy retrieval of novel ideas and technology in a knowledge-assisted environment and easy identification of competitors and previously done similar research
 - for the media and public: easy access to information, software and computer power to allow easily-assimilated presentation of research results in appropriate contexts.

CERIF 1.3 Entities (Types in Colors)





香港大学 IR → CRIS

演变



→ 香港大学学术典藏库(Hub) The HKU Scholars Hub

- 始建于2005年
 - 著作
 - 开放存取
- 初期并未引起院系关注



- 2009年 “知识交流”
 - 知识交流办公室给予新拨款
 - 院系给予新关注
- 港大与其相关团体在科研与技术的交流中互惠互利
- 学术典藏库的建立为促进并评估港大知识交流提供了平台

- 2005 begun,
 - Publications
 - Open Access
- Not compelling with faculty
- 2009 “Knowledge Exchange”
 - New funding, from HKU KEO
 - New interest, from faculty
- An exchange of research and skills between HKU and its community for mutual benefits
- A database or exchange hub to enable, facilitate and measure HKU's KE



→ 香港大学学术典藏库(Hub) The HKU Scholars Hub

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- 港大与其相关团体在科研与技术的交流中共同得益
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- 2005 begun,
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- 关系表
 - 著作
 - 研究员页(人物)
 - 项目资助
 - 将来会增加：院系和其他中心及团体
- With our partners, CINECA of Italy
- Dspace: Postgres tables
- Relational tables
 - Publications
 - ResearcherPages (People)
 - Grants
 - Soon: depts/ctrs & other entities



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

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Professor Leung, WK

· Associate Dean Research and Discovery

Research Interests:

- Effects of altered human oral physiology on the corresponding microbial ecology.
- Human periodontal microbial ecology and virulence.

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HUB NEWS

Sep 2013: Sage Open. Pre-paid article processing charges for HKU authors! >

Sep 2013: Hub lower level pages redesigned. >

Aug 2013: Upgraded to DSpace 1.8.2 with DSpace-CRIS. >

Mar 2013: Membership in professional societies added to ResearcherPages. >

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- HKU research on Web of Science
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- HKU Libraries OA Policy
- HK Open Access Committee
- Open Access Tracking Project



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Dr Ting, HF

· Associate Professor

Research Interests:

- Design and Analysis of Algorithm
- Bioinformatics
- Computational Complexity

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学术库新闻

2013年9月: Sage Open. 港大學者論文發表費用已部份預繳!

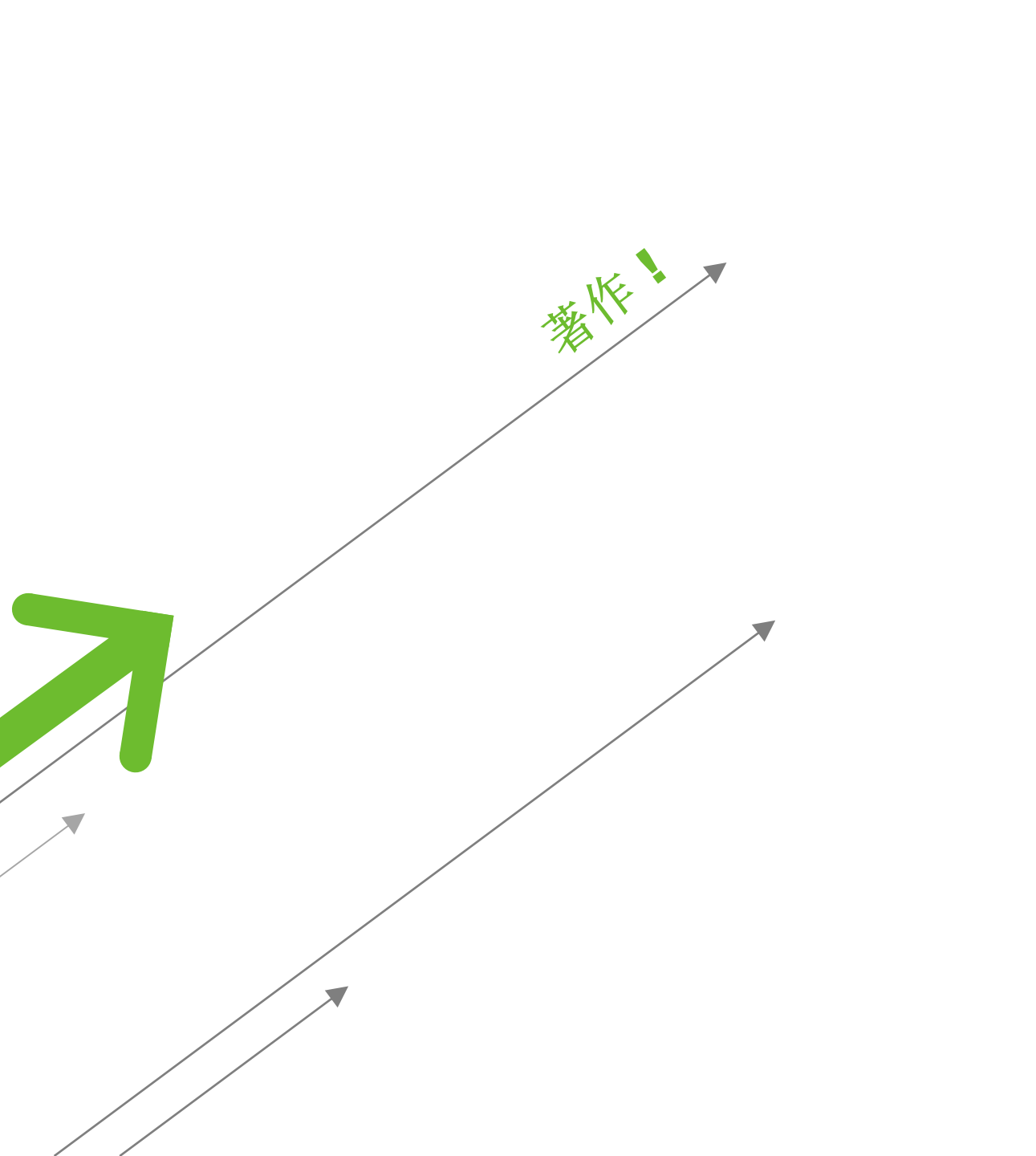
2013年9月: Hub界面更新

2013年8月: DSpace升級至1.8.2版本並附帶DSpace-CRIS組件。

2013年3月: ResearcherPage中新增專業會員會籍。

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Title Understanding Australia's influenza pandemic policy on the strategic use of the antiviral drug stockpile

Authors

[McCaw, JM](#)⁴ ●

[Wood, JG](#)⁵ ●

[McBryde, ES](#)^{3 4} ●

[Nolan, TM](#)⁴ ●

[Wu, JT](#) ² ●

[Lipsitch, M](#)¹ ●

[McVernon, J](#)⁴ ●

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Author Affiliations

1. Harvard School of Public Health
2. The University of Hong Kong
3. Royal Melbourne Hospital
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Abstract

Background. Salvanolic acid B (Sal B) is one of the most bioactive components of *Salvia miltiorrhiza*, a traditional Chinese herbal medicine that has been commonly used for prevention and treatment of cerebrovascular disorders. However, the mechanism responsible for such protective effects remains largely unknown. It has been considered that cerebral endothelium apoptosis caused by reactive oxygen species including hydrogen peroxide (H₂O₂) is implicated in the pathogenesis of cerebrovascular disorders. Methodology and Principal Findings. By examining the effect of Sal B on H₂O₂-induced apoptosis in rat cerebral microvascular endothelial cells (rCMECs), we found that Sal B pretreatment significantly attenuated H₂O₂-induced apoptosis in rCMECs. We next examined the signaling cascade(s) involved in Sal B-mediated anti-apoptotic effects. We showed that H₂O₂ induces rCMECs apoptosis mainly through the PI3K/ERK pathway, since a PI3K inhibitor (LY294002) blocked ERK activation caused by H₂O₂ and a specific inhibitor of MEK (U0126) protected cells from apoptosis. On the other hand, blockage of the PI3K/Akt pathway abrogated the protective effect conferred by Sal B and potentated H₂O₂-induced apoptosis, suggesting that Sal B prevents H₂O₂-induced apoptosis predominantly through the PI3K/Akt (upstream of ERK) pathway. Significance. Our findings provide the first evidence that H₂O₂ induces rCMECs apoptosis via the PI3K/MEK/ERK pathway and that Sal B protects rCMECs against H₂O₂-induced apoptosis through the PI3K/Akt/Raf/MEK/ERK pathway. © 2007 Liu et al.

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Funding Agency	Grant Number
Research Grant Council of Hong Kong	HKU 7636/05M
Hong Kong Baptist University	FRG/06-07/II-07
	FRG/06-07/II-43

Funding Information:

This work was supported by a grant (HKU 7636/05M) from the Research Grant Council of Hong Kong awarded to Dr. J.D. Huang, and was also supported by grants (FRG/06-07/II-43 and FRG/06-07/II-44) from Hong Kong Baptist University awarded to Dr. M. Li. The funders had no roles in the design and conduct of the study, in the collection, analysis, and interpretation of the data, and in the preparation, review, or approval of the manuscript.

References

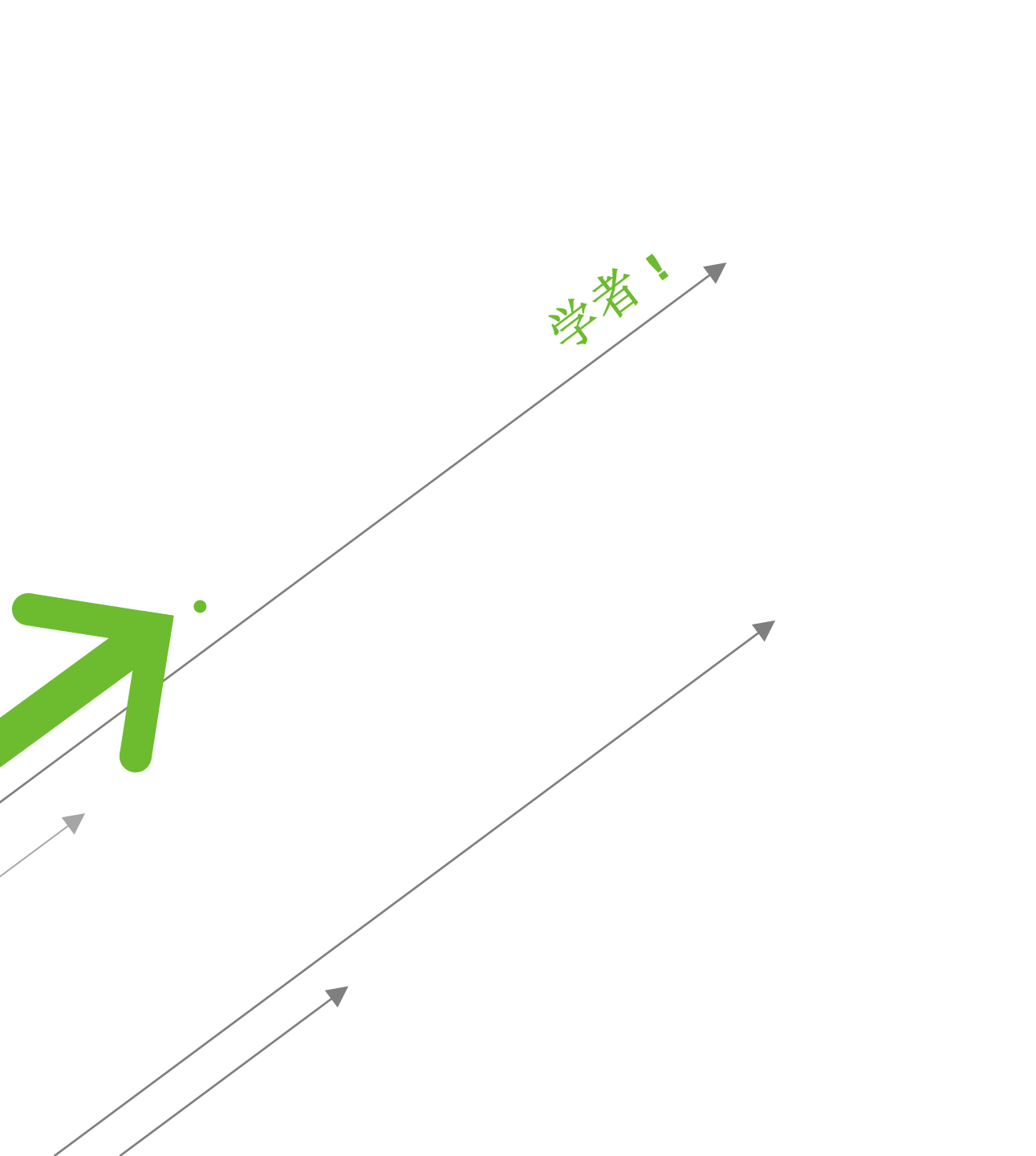
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Author Name	ResearcherPage Name	Dept
Tam, Pak-fai.		
Tam, Pak-hin.		
Tam, Paul 	Tam, Paul Kwong Hang  譚廣亨	V-C's Office
Tam, Paul KH		
Tam, Paul KH 	Tam, Paul Kwong Hang  譚廣亨	V-C's Office
Tam, Paul Kwong Hang 	Tam, Paul Kwong Hang  譚廣亨	V-C's Office
Tam, PC		
Tam, PCF		
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譚彥斌		
譚彩玉		
譚得祐		
譚得敏		
譚德祐		
譚必信		
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- Professional Qualifications
- HKU Committee Appointments
- Community Service
- Supervision of Research Postgraduate Students

Grants

- Principal Investigator
- Co-Investigator

Contact Information



Tel: 3917 1600

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Professor Bacon-Shone, John Hugh 白景崇

Title Director, Social Sciences Research Centre
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Ms Cheung, Debra Tin Mei 張天湄

Title Associate Professor
Dept: [Dept of Architecture](#)
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Honours, Awards & Prizes

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Award With	Date	Honours / Awards / Prizes	Category
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	01-10-2004	Winning Competition Entry - Assessed, Built and Published Global Positioning Satellite Station Design for Lands Department, HKSAR. Principle Designer in association with Leica Geosystems Ltd. Germany.: Hong Kong Lands Department, The Government of Hong Kong, S.A.R., Lands Dept., HKSAR, Hong Kong	Research Achievement
	01-09-2006	Honorary Mention Award (Professional Category), International Architectural Competition 'Celebration of Cities 2' - UIA in collaboration with UNESCO, 2006: UIA (Union of International Architects) with UNESCO in	Research Achievement

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Networks of Collaboration

- Visualized
- Tabulated

Achievements

- Media Contact Directory
- HKU Committee Appointments
- Supervision of Research Postgraduate Students
- Editorship

Grants

- Principal Investigator
- Co-Investigator



Professor Tsui, Amy Bik May 徐碧美

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

Dept: [V-C's Office](#)
[Education Faculty](#)

Faculty: [Faculty of Education](#)

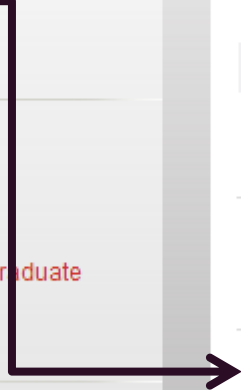
Supervision of Research Postgraduate Students

Found 11. Page 1 of 3

1 2 3 Next

Thesis Title	Field of Study	Year of Submission
	English Teacher Education	2008 Phd Rong Liyaan
Cultural dimensions of Japanese students' participation in PBL tutorials	Sociolinguistics, Discourse Analysis, Problem-based Learning Curriculum	2008 Phd Imafuku Rintaro
How class size mediates student learning: case studies of Hong Kong secondary schools	Classroom Interaction, Small Class Teaching	2005 Phd Harfitt Gary James
Orthographic Awareness in Learning Chinese Characters	ICT in Education, Learning Chinese Characters and Theory of Learning	2003 Phd Lam Ho Cheong

显示所指导的研究生并提供其毕业论文全文链接





Profile

Contact Information

Publications

- Conference Papers (82)
- Book Chapters (4)
- Books (1)
- Articles (116)
- Others (4)

Networks of Collaboration

- Visualized
- Tabulated

Achievements

- Media Contact Directory
- Professional Societies
- HKU Committee Appointments
- Supervision of Research Postgraduate Students
- Honours, Awards & Prizes
- Editorship

Grants

- Principal Investigator
- Co-Investigator



Professor Chow, Billy Kwok Chong 鄒國昌

Title: Professor
Dept: [School of Biological Sciences](#)
Faculty: [Faculty of Science](#)

External Metrics

ResearcherID
Author ID: [D-3064-2009](#)
Document Count: [180](#)
Times Cited: [2069](#)
Co-authors: [Collaboration Network](#)
h-Index:

Scopus
Author ID: [710926193](#)
Document Count: [111](#)
Total Citations: [2159](#)
h-Index: [24](#)
Co-authors: [150](#)

BiomedExperts
URL: [239266](#)

作者计量信息 (Author Level Metrics), 源自 Scopus, ResearcherID 等



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Networks: Chow, Billy Kwok Chong

Monthly Increases (Scopus, Web of Science & PubMed)

Showing 1 to 10 of 113 entries

1 2 3 4 5 Next Last

Title	Totals (as of today)			Increases for Aug 2013			Increases for last 3 months		
	Scopus	WoS	PubMed	Scopus	WoS	PubMed	Scopus	WoS	PubMed
A functional variable number of tandem repeats is located at the 5' flanking region of the human secretin gene plays a downregulatory role in expression	4		2						
Agnathan VIP, PACAP and Their Receptors: Ancestral Origins of Today's Highly Diversified Forms	2						1		
An Activator Protein 1-Like Motif Mediates 17β-Estradiol Repression of Gonadotropin-Releasing Hormone Receptor Promoter via an Estrogen Receptor α-Dependent Mechanism in Ovarian and Breast Cancer Cells	17		4						
An indispensable role of secretin in mediating the osmoregulatory functions of angiotensin II	6		2						
Aspartic acid scanning mutation analysis of a goldfish growth hormone-releasing hormone (GHRH) receptor specific to the GHRHsalmon-like peptide	8	8	1						
Bile acids inhibit duodenal secretin expression via orphan nuclear receptor small heterodimer partner (SHP)	5	5	2						

每篇文章的累计引用次数，上月及上季增加的引用次数



→ 外部数据来源

机构	数据库
Elsevier	Scopus
-- 同上	BiomedExperts
Thomson Reuters	ResearcherID Web of Science
RePEc	
SSRN	
ACM Digital Library	
NIH	PubMed
Google	Google Scholar Citations
Microsoft	MS Academic Search
MathSciNet	
CiteULike	
将加入: ResearchGate	
将加入: ImpactStory	

ResearcherPage Statistics: Chow, Billy Kwok Chong

Charts

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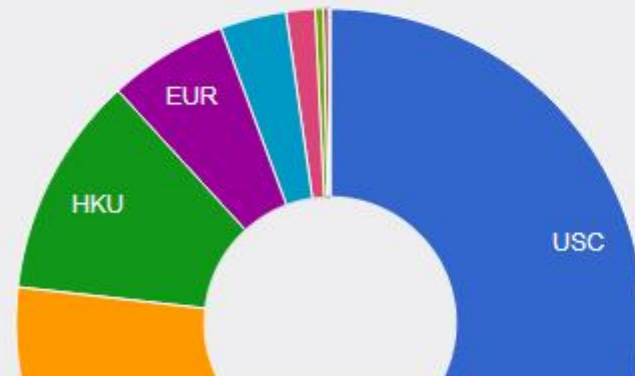
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Region	Country	City	Time
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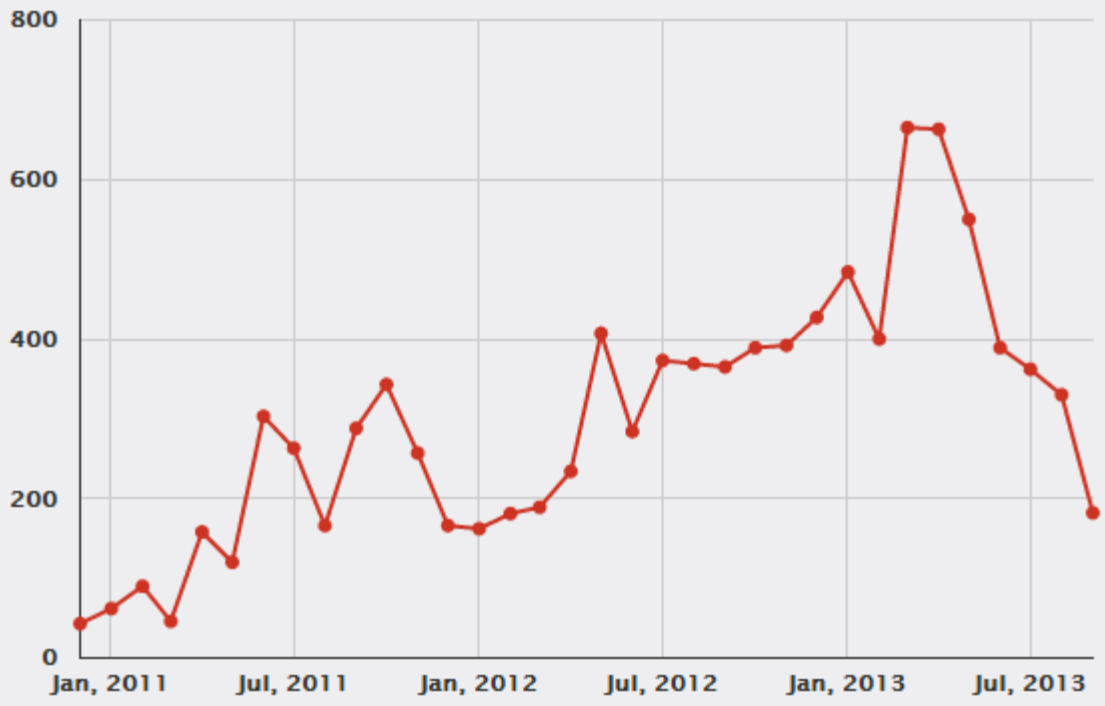


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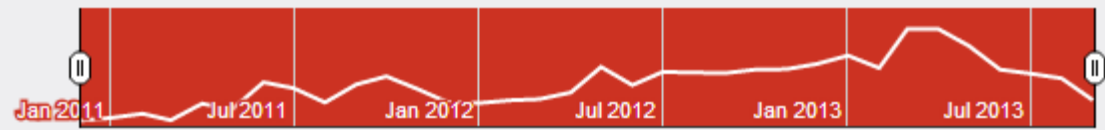


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Views over Time (From Dec 2010)

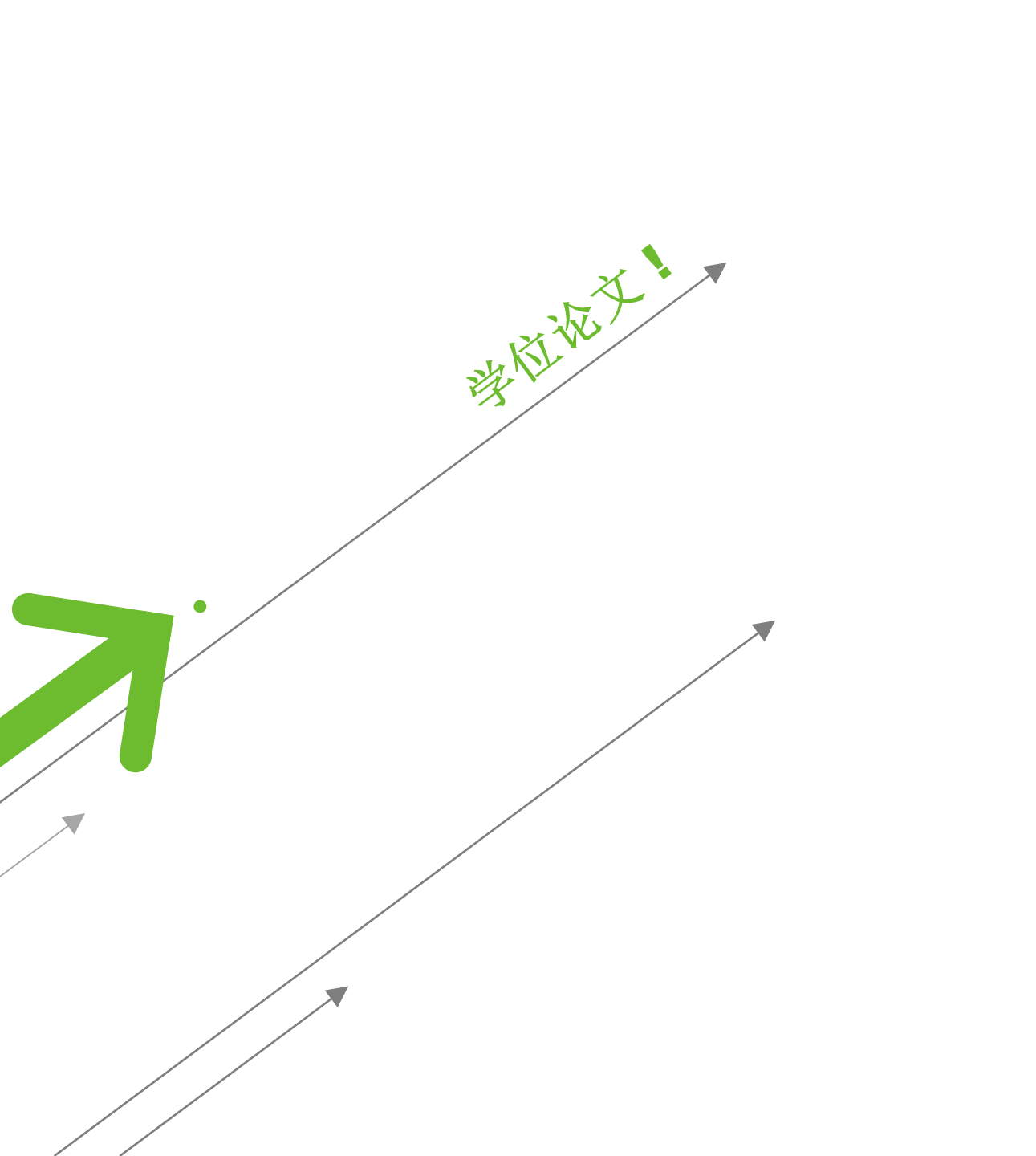


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的变化情况



	Tot	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2010/2011	822	0	0	0	0	0	43	62	90	46	158	120	303
2011/2012	2940	263	166	288	343	257	166	162	181	189	234	407	284
2012/2013	5466	373	369	365	389	392	427	484	400	665	663	550	389
2013/2014	874	362	330	182	0	0	0	0	0	0	0	0	0

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学位论文!



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Appears in Collections:

- [Geography Theses](#)
- [HKU Theses Online](#)

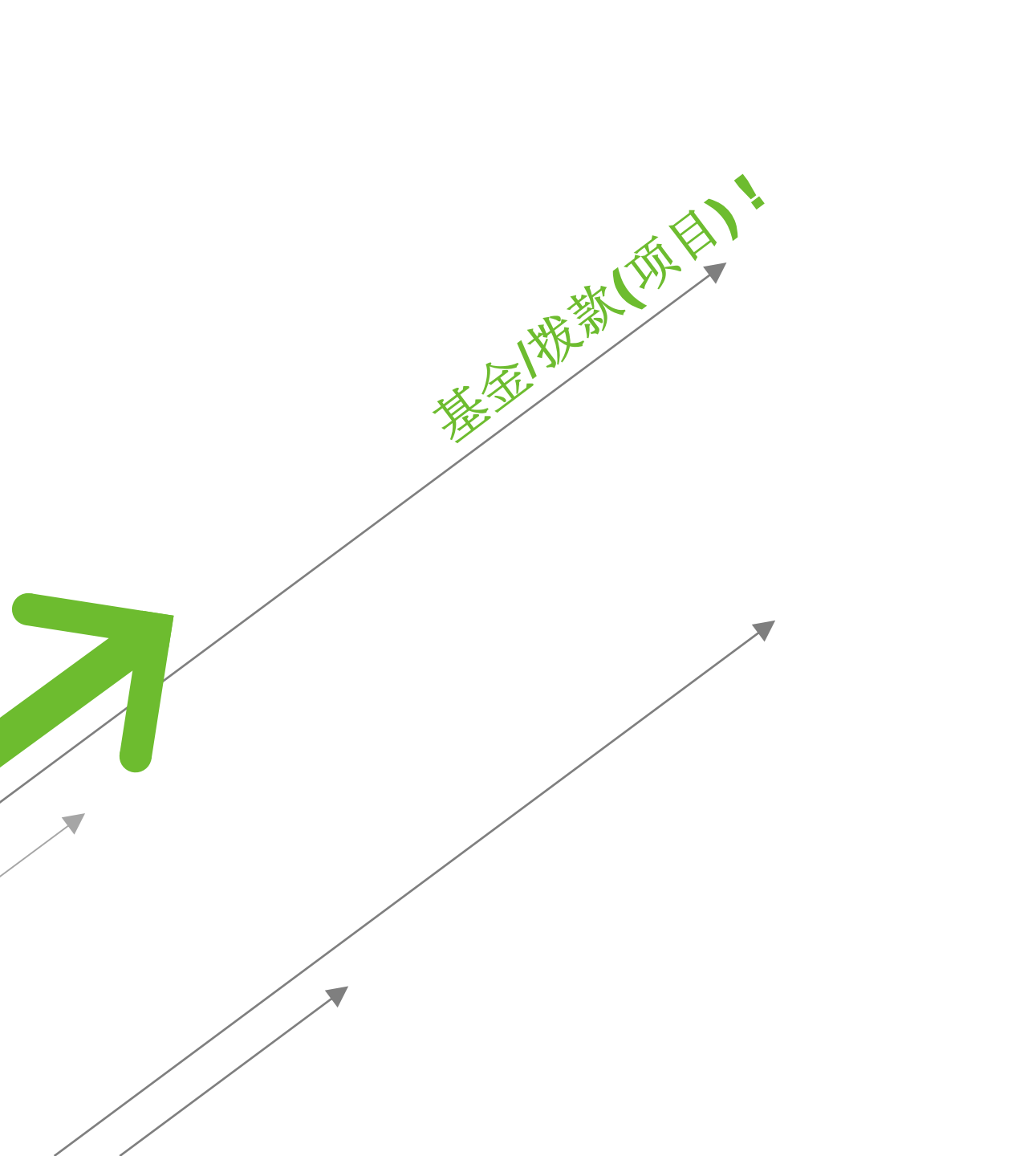
Postgraduate Thesis: Quantifying the urban heat island (UHI) intensity in Hong Kong

Basic View Metadata View XML View

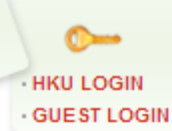
Title	Quantifying the urban heat island (UHI) intensity in Hong Kong
Authors	Siu, Leong-wai 蕭亮煌
Issue Date	2011
Publisher	The University of Hong Kong (Pokfulam, Hong Kong)
Advisors	Hart, MA Peart, MR
Degree	Master of Philosophy
Subject	Urban heat island - China - Hong Kong. Urban temperature - China - Hong Kong.
Dept/Program	Geography
DOI	http://dx.doi.org/10.5353/th_b4569256

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可点击查阅详情

我们为每篇论文添加了DOI



基金/拨款(项目)!



Grant: Control of Pandemic and Inter-pandemic Influenza

Grant Data

Grant Statistics

Project Title Control of Pandemic and Inter-pandemic Influenza

Principal Investigator [Professor Peiris, Joseph Sriyal Malik \(Principal investigator\)](#)

Co-Investigator(s)
[Dr Chen Honglin \(Co-Investigator\)](#)
[Professor Lau Yu Lung \(Co-Investigator\)](#)
[Professor Leung Gabriel Matthew \(Co-Investigator\)](#)
[Professor Guan Yi \(Co-Investigator\)](#)
[Professor Yuen Kwok Yung \(Co-Investigator\)](#)

Start Date 01-01-2008

Status On-going

HKU Project Code AoE/M-12/06

Amount 76000000

Grant Type Areas of Excellence Scheme

Completion Date 31-12-2015

Keywords influenza





















HKU Project Code	AoE/M-12/06
Amount	76000000
Grant Type	Areas of Excellence Scheme
Completion Date	31-12-2015
Keywords	influenza
Sponsor	RGC Areas of Excellence (AoE)
Duration	96
Funding Year	2007/2008

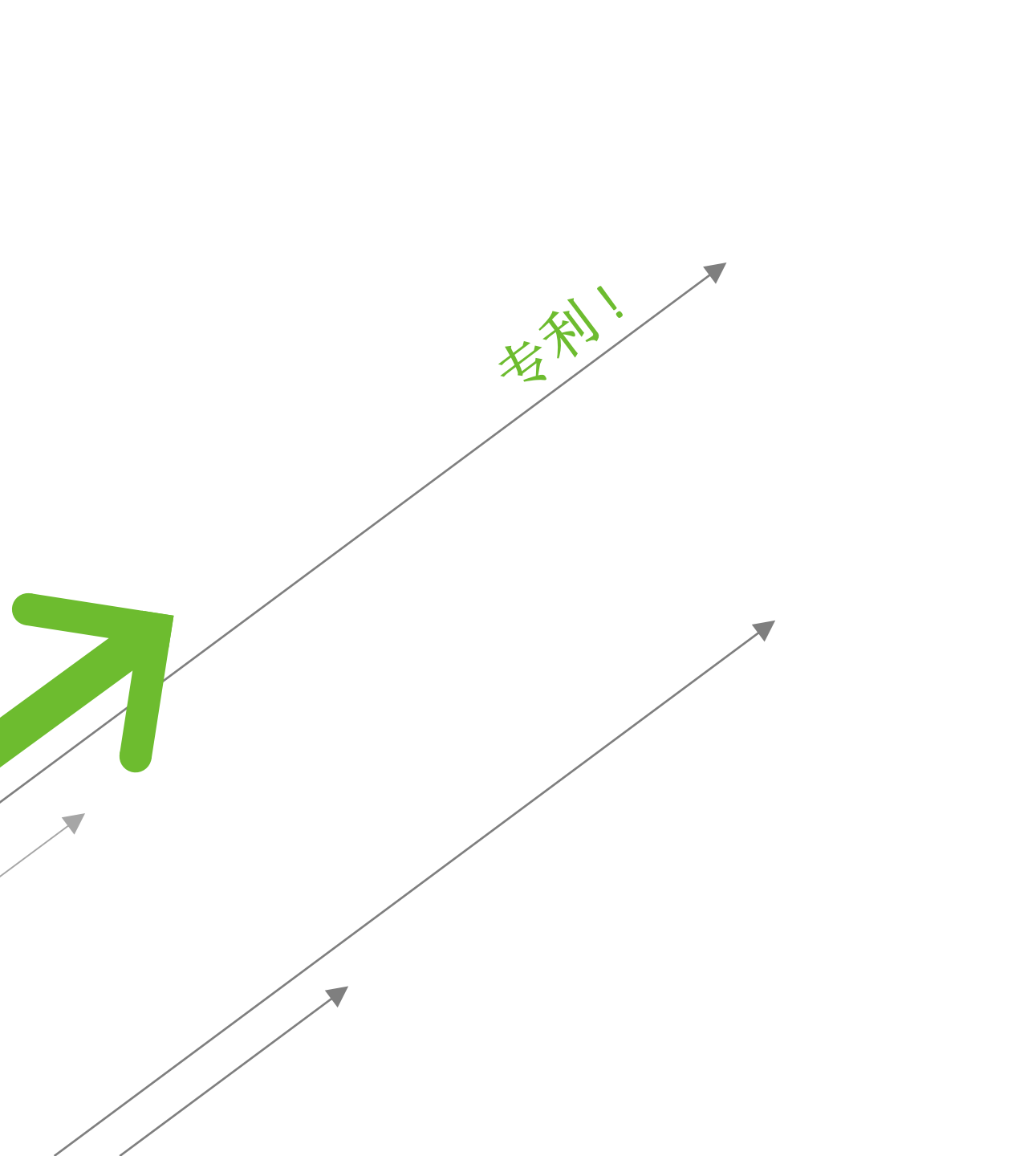
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Publications resulting from Grant (All)

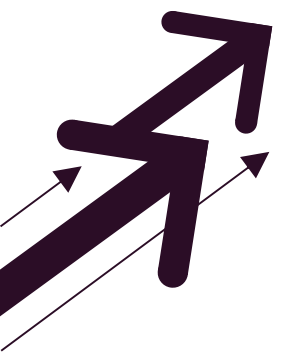
Results 1-20 of 117

Result pages: 1 2 3 4 5 6 next

Type	Title	Author(s)	Year	Views
	A secondary sialic acid binding site on influenza virus neuraminidase: fact or fiction?	Lai, JCC; Garcia, JM; Dyason, JC; Böhm, R; Madge, PD; Rose, FJ; Nicholls, JM  ; Peiris, JSM  ; Haselhorst, T; von Itzstein, M	2012	128
	Situational awareness of influenza activity based on multiple streams of surveillance data using multivariate dynamic linear model	Lau, EHY  ; Cheng, CKY; Ip, DKM  ; Cowling, BJ 	2012	98
	Phenotypic and functional characterization of human $\gamma\delta$T-cell subsets in response to influenza A viruses	Qin, G; Liu, Y; Zheng, J; Xiang, Z; Ng, IHY; Malik Peiris, JS  ; Lau, YL  ; Tu, W 	2012	158
	Detection of highly pathogenic influenza and pandemic influenza virus in formalin fixed tissues by immunohistochemical methods	Nicholls, JM  ; Wong, LPW; Chan, RWY  ; Poon, LLM  ; So, LKY; Yen, HL  ; Fung, K; Van Poucke, S; Peiris, JSM 	2012	159
	Optimal design of intervention studies to	Klick, B; Nishiura, H  ; Cowling, BJ 	2012	195



专利!



→ 专利数据来源

国家	来源
美国	USPTO Derwent
世界	Patent Lens Patentscope Espacenet
美国（化学领域）	SciFinder
欧洲	European Patent Office(欧洲专利局)
日本	Japan Patent Office(日本专利局)
中国	State Intellectual Property office of the PRC(中华人民共和国国家知识产权局)



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Patent History

Application

[US 11/977200](#) 2004-10-29

Publication

[US 20060091378](#) 2006-05-04

Granted

[US 7572912](#) 2009-08-11

Patent Family

[CN 101098946 \(A\)](#) 2008-01-02

[US 2006091378 \(A1\)](#) 2006-05-04

[US 7572912 \(B2\)](#) 2009-08-11

[US 2009278453 \(A1\)](#) 2009-11-12

[WO 2006045235 \(A1\)](#) 2006-05-04

Supplementary

[Item Statistics \(The Hub\)](#)

[Appears in Collections:](#)

Granted Patent: Luminescent Gold (Iii) Compounds, Their Preparation, And Light-Emitting Devices Containing Same

Basic View Metadata View XML View

Title Luminescent Gold (Iii) Compounds, Their Preparation, And Light-Emitting Devices Containing Same

Granted Patent [US 7572912](#)

Granted Date 2009-08-11

Prior Date 2004-10-29 [US 11/977200](#)

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 (USPTO), 2009 [\[How to Cite?\]](#)

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) Wherein R1-R4 Each Independently Represent The Group Containing Hydrogen, Halogen, Alkyl, Substituted Alkynyl, Alkyl, Substituted Alkyl, Aryl, Substituted Aryl, Heteroaryl, Substituted Heteroaryl, Substituted Alkoxy, Amino, Substituted Amino, Cyano, Nitro, Alkylcarbonyl, Alkoxy carbonyl, Arylcarbonyl, Aryloxycarbonyl, Mono- Or Dialkylaminocarbonyl, Alkylcarbonyloxy, Arylcarbonyloxy, Aryloxy, Alkoxy carbonyl, Aryloxycarbonyloxy Group, And The Like; X, Y And Z Each Independently Represent A Heteroatom Or A Carbon; Represents An Aromatic Or Heterocyclic 5- Or 6-Membered 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

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Patent History

Application
US 11/066628 2005-02-25

Publication
[US 20050196478](#) 2005-09-08

Patent Family

[CN 1953761 \(A\)](#) 2007-04-25

[DE 112005000345 \(T5\)](#) 2007-02-08

[US 2005196478 \(A1\)](#) 2005-09-08

[WO 2005082387 \(A2\)](#) 2005-09-09

Supplementary

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Appears in Collections:

- [Anatomy: Patents](#)
- [Technology Transfer Office: Patents](#)

Published Patent: Methods Using Lycium Barbarum Extracts As Neuroprotective Agents For Retinal Ganglion Cells Degeneration

[Basic View](#)
[Metadata View](#)
[XML View](#)

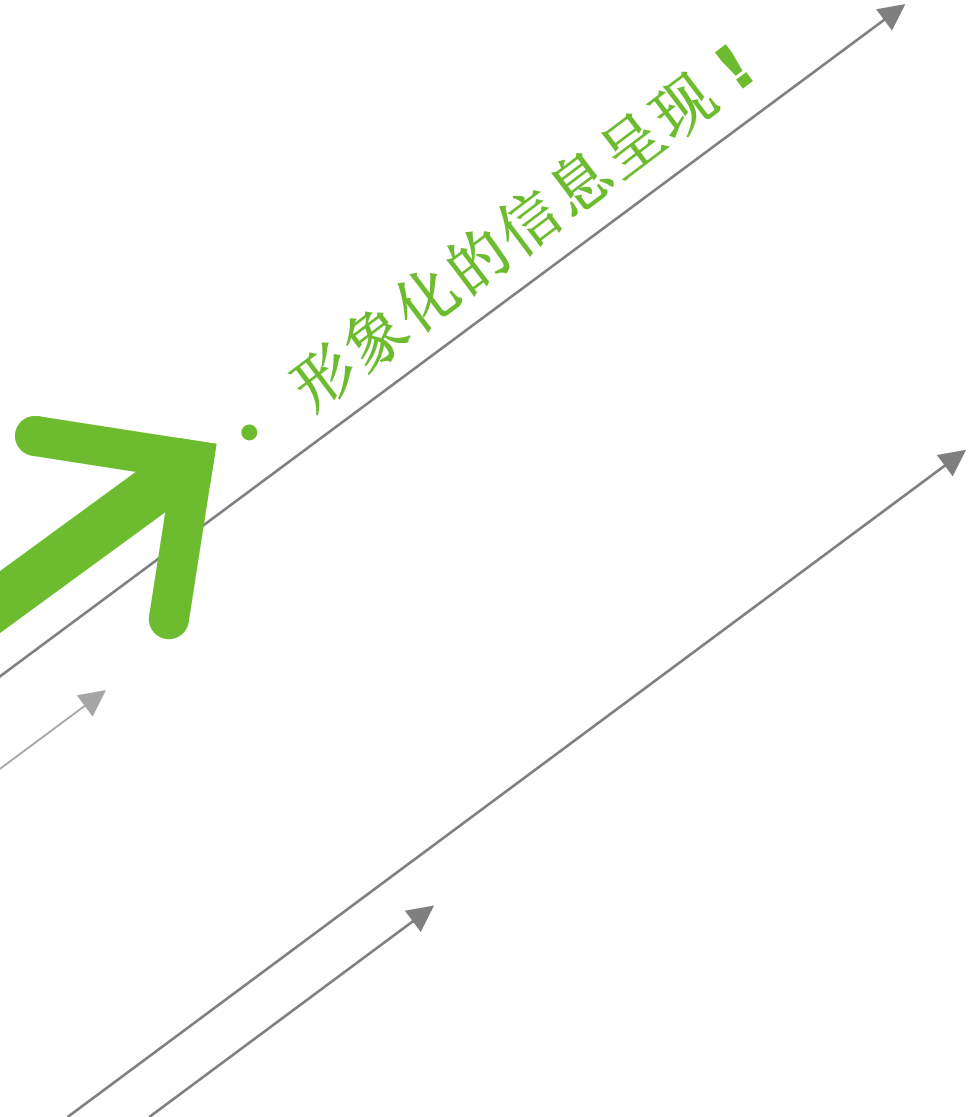
Title	Methods Using Lycium Barbarum Extracts As Neuroprotective Agents For Retinal Ganglion Cells Degeneration
Priority Date	2005-02-25 US 11/066628 2004-02-25 US 11/547061P
Inventors	So, KF Yuen, WH Chang, RCC Zee, SY
Citation	US Published patent application 20050196478. Washington, DC: US Patent and Trademark (USPTO), 2005 [How to Cite?]
Abstract	An Lycium Barbarum Extract Demonstrates A Neuroprotective Effect On Damaged Retinal Ganglion Cells, Preventing And Preserving Retinal Ganglion Cells From Degeneration In The Treated Subjects After Chronic And Traumatic Neuronal Injury Or Glaucoma. Compositions Include An Effective Amount Of An Agent And A Pharmaceutically Acceptable Vehicle.
Publication	Neuroprotective effects of anti-aging oriental medicine Lycium barbarum against β-amyloid peptide neurotoxicity
Publication	Cytoprotective effects of Lycium barbarum on cultured neurons against reducing stress on the endoplasmic reticulum

与专利相关的论文链接





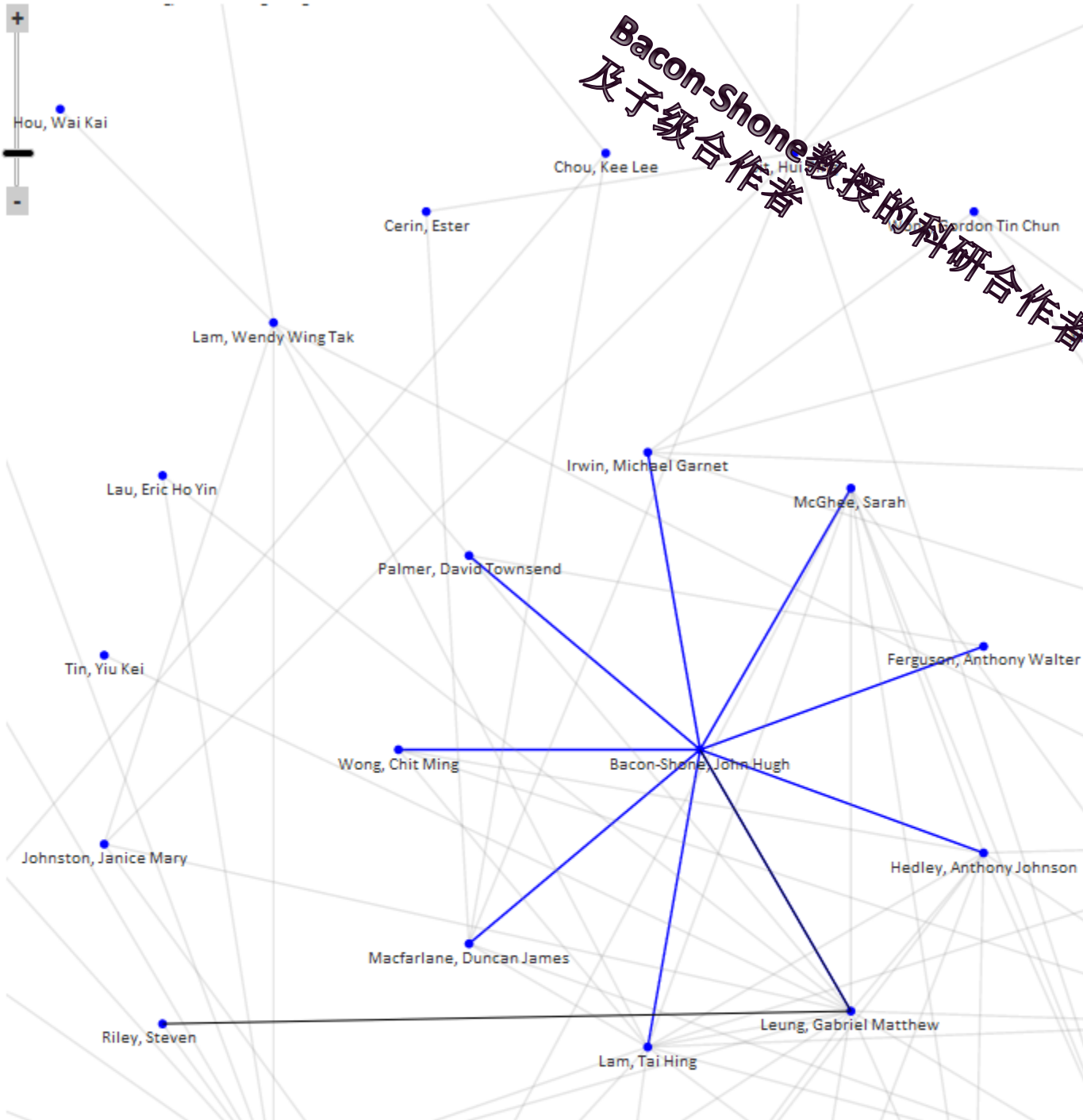
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HKU Researcher



**Professor Bacon-Shone,
John Hugh**
Associate Dean of Social
Science
Dept: Social Sciences
Research Ctr



Degree of Separation

- Co-authors 3
- Co-investigators 2
- Keywords in grants 2
- Keywords in publications 2

HKU Researcher



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 Medicine

SHARE

Research Facets

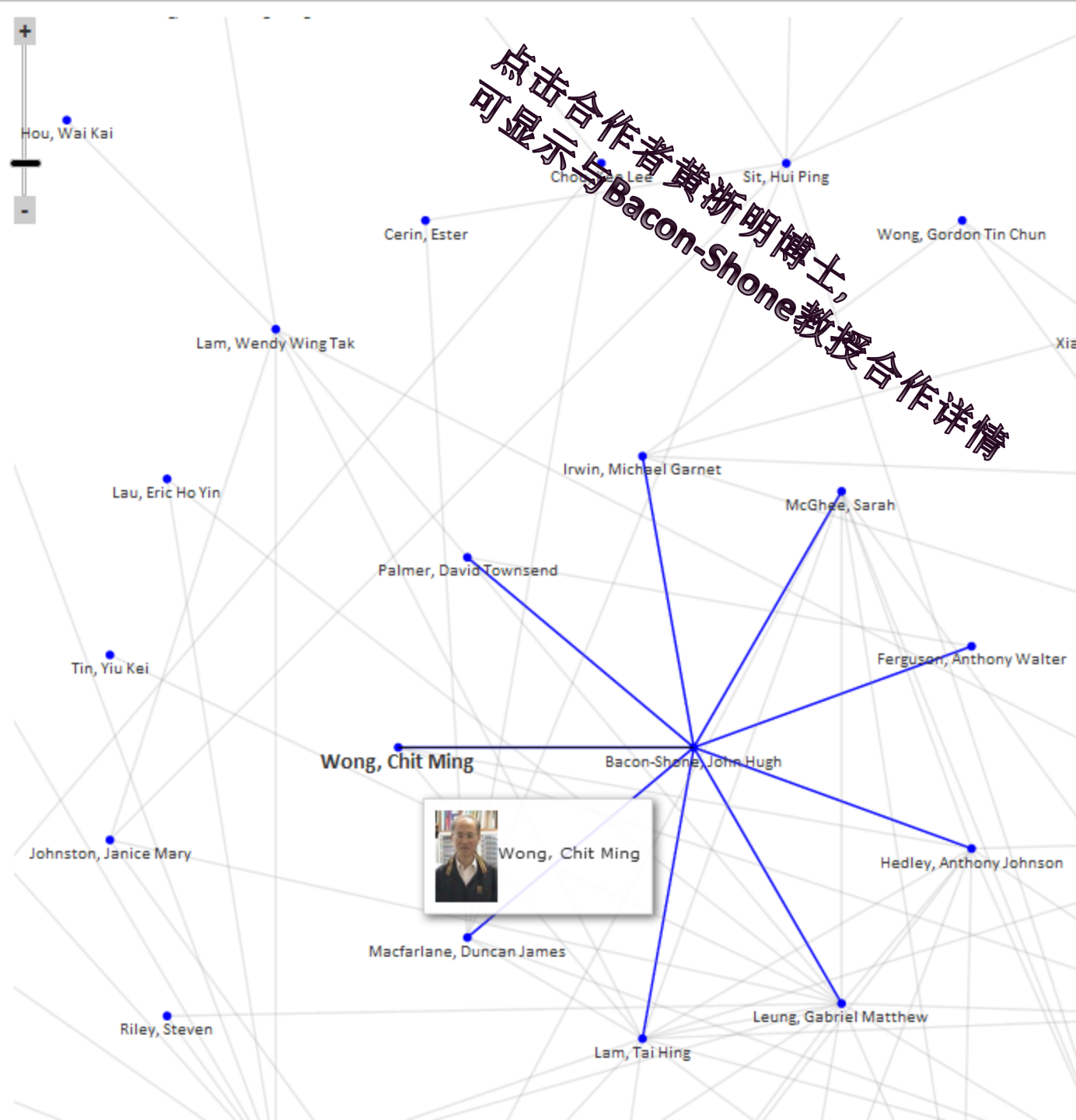
- Keywords (grants): 2
- Awards: 1
- Publications 5
- Co-investigators: 6

Degree of Separation

Co-authors 3

Co-investigators 2

Keywords in grants 0



点击合作者黄浙明博士，
 可显示与Bacon-Shone教授合作详情



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Networks: Bacon-Shone, John Hugh

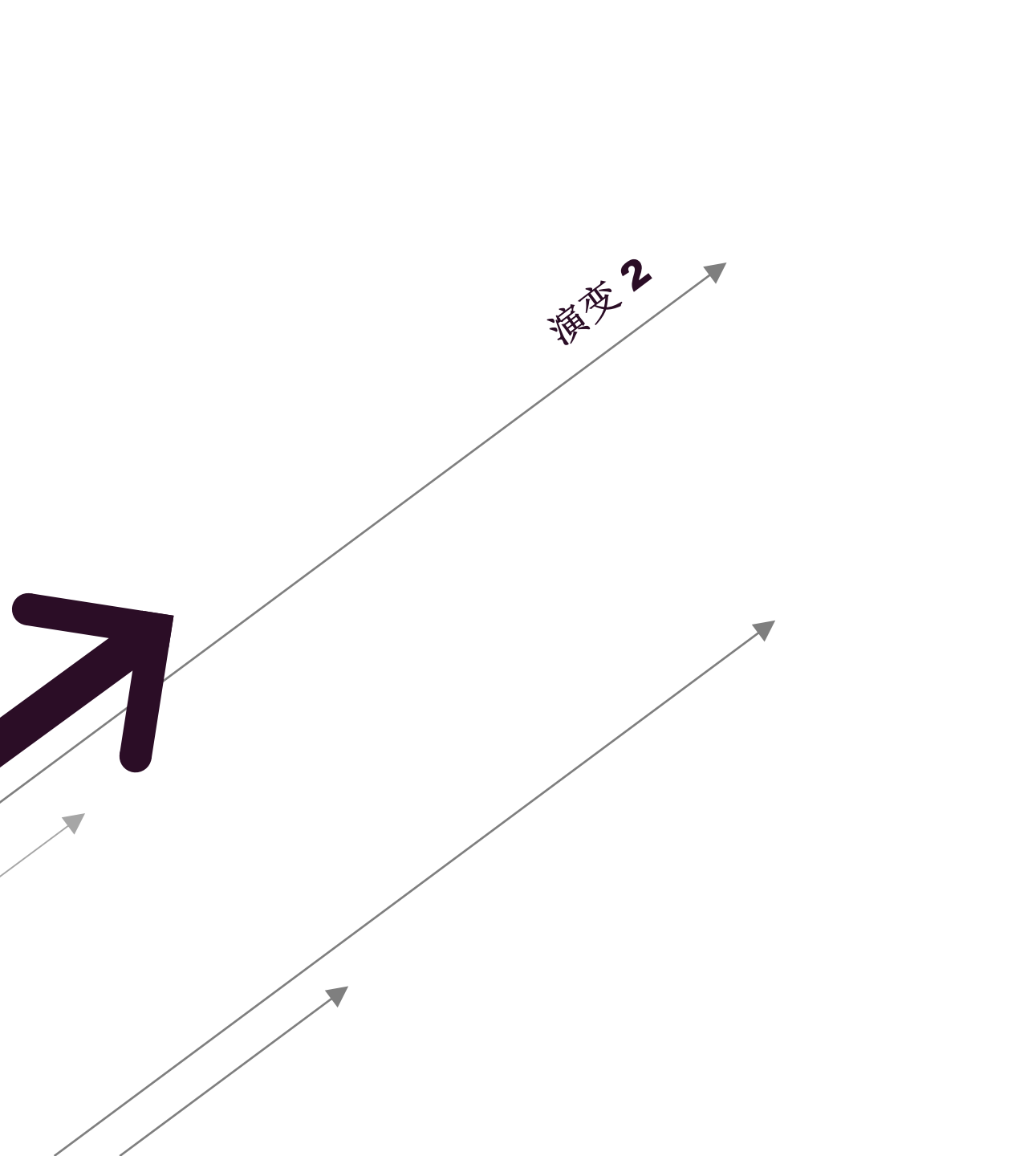
Tabulated

Co-Authors		Keywords in Publications		Co-Investigators	
Authors	No. of Publications	Keywords	No. of Authors	Investigators	No. of Grants
Hedley, AJ	9	surgery	241	Dr Day Jeffrey Richard	5
Leung, PWL	7	hypertension	200	McGhee Sarah	3
Lo, VSY	7	hypoxia	126	Dr Shek Daniel T.L.	2
Wong, CM	7	hong kong chinese	1	Hedley Anthony Johnson	2
Jones, RDM	5	monitoring	1	Lam Tai Hing	2
Lam, TH	5	haemorrhage	1	Ng Balding	2
Leung, GM	5	bayesian inference	39	Rao Nirupela	2
Leung, MP	5	propofol	31	Spiak John Anthony	2
Luk, ESL	5	institutional repository	20	Wong Hing Ho	2
Macfarlane, DJ	5	midazolam	19	Burns Jonathan	1

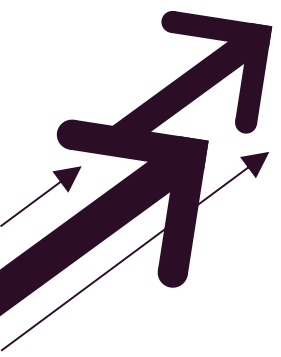
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Keywords in Grants	
Keywords	No. of



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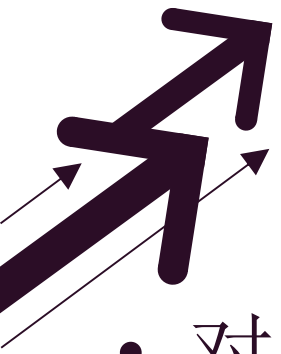
- Supply citation count for HK University Grants Committee (UGC) RAE



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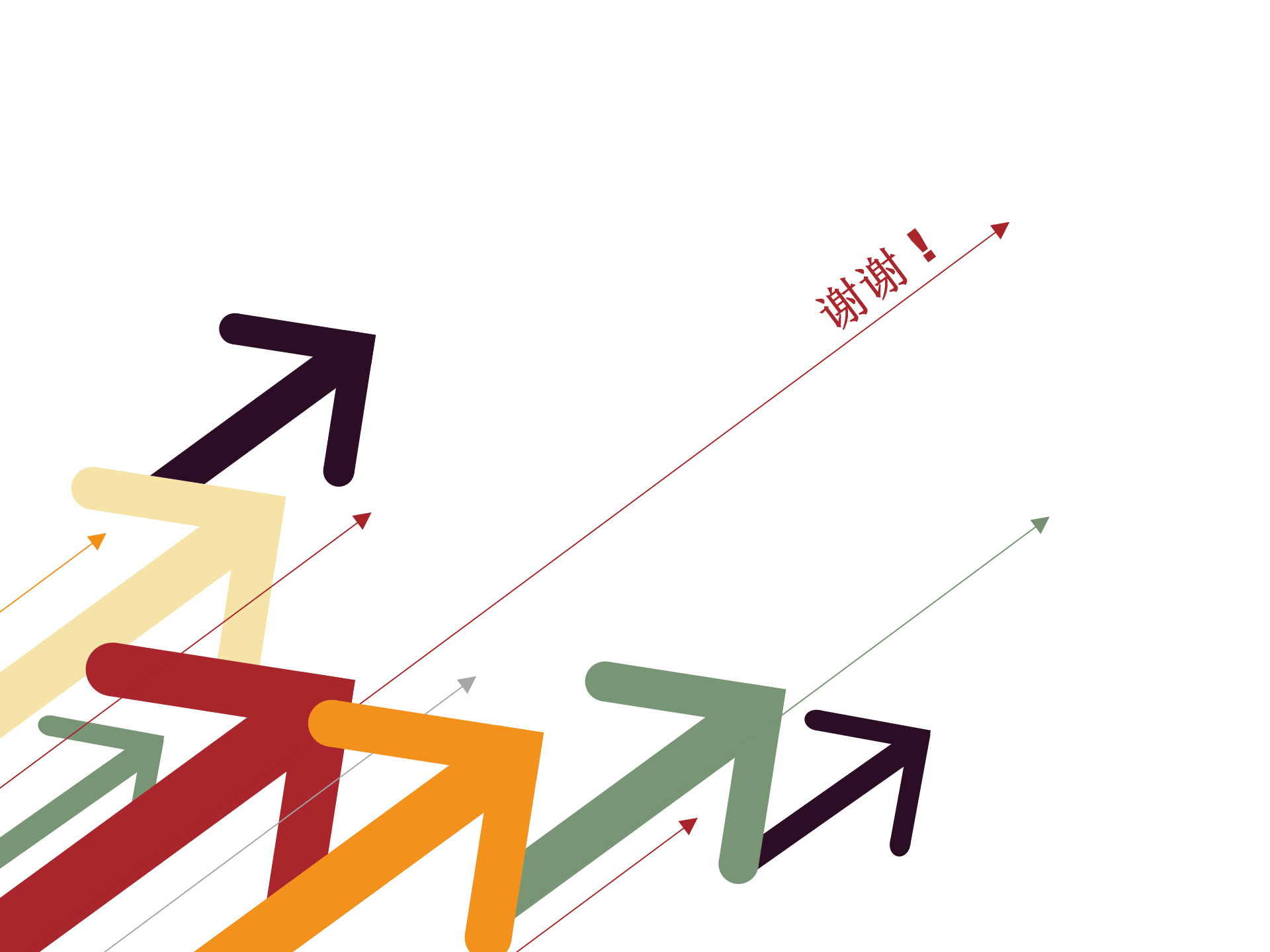
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- Research is described & contextualized by more than publications
 - The benefits of authority work extend beyond publication author name disambiguation
 - Libraries can do more to support their institutions than process publications
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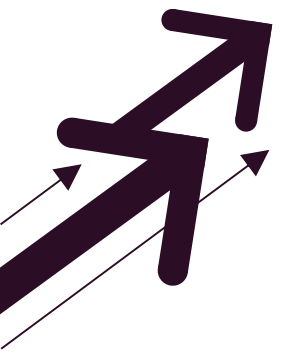


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引用文献

- Palmer, DT. (2011). *Knowledge Exchange: A Strategy for Open Access Success at The University of Hong Kong*. Chinese Journal of Library and Information Science (CJLIS). 4(1), 81-94.
 - <http://hub.hku.hk/handle/10722/145500>



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