<table>
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<tr>
<th><strong>Title</strong></th>
<th>Moving from an IR to a CRIS, the why &amp; how</th>
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<tr>
<td><strong>Author(s)</strong></td>
<td>Palmer, DT</td>
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<tr>
<td><strong>Citation</strong></td>
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<td>2013</td>
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Moving from an IR to a CRIS

-- the Why & How

David T Palmer
The University of Hong Kong (HKU)
CNI Membership Meeting, San Antonio, 4-5 Apr 2013
Institutional Repository (IR)
IR: What is it?

• “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
Current Research Information System (CRIS) 
a.k.a. Research Information Management System (RMIS)
CRIS: What is it?

• “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)

• for researchers: easy access to relevant information
• 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.
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CRIS flavours

• Internal only?
  – Research & decision support

• Public also?
  – Knowledge Exchange, Knowledge Translation, Knowledge Transfer

• Built in one integrated whole?
• Distributed, with APIs calling on-the-fly, other databases
CRIS flavours

• Internal only?
  – Research & decision support

• Public also?
  – Knowledge Exchange, Knowledge Translation, Knowledge Transfer

• Built in one integrated whole?
• Distributed, with APIs calling on-the-fly, other databases
The HKU Scholars Hub

- 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
The HKU Scholars Hub

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The backend

• With our partners, CINECA of Italy

• Dspace: Postgres tables

• Relational tables
  – Publications
  – ResearcherPages (People)
  – Grants
  – Soon: depts/ctrs & other entities
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.

Search the author, title, abstract and series fields.

QUICK SEARCH OF THE HUB

FEATURED SCHOLAR

Professor Chang, EC

- Dean (Faculty of Business and Economics)
- Quin Professorship in Finance; and Professor; Chair of Finance

Research Interests:
- Derivative securities
- International finance
- Capital asset pricing

HUB NEWS

Mar 2013: Membership in professional societies added to ResearcherPages.

Mar 2013: Affiliations for coauthors shown when known. An example

Feb 2013: Grant data added to publication records when known. An example

Jan 2013: Web service for extracting Hub data. Interested? Write!

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
# Article: Understanding Australia's influenza pandemic policy on the strategic stockpile of antiviral drug

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

**Authors:** McCaw, JM, Wood, JG, McBryde, ES, Nolan, TM, Wu, JT, Lipsitch, M, McVernon, J

**Issue Date:** 2009


**Citation:** Medical Journal Of Australia, 2009, v. 191 n. 3, p. 136-137

**Abstract:** Targeted post-exposure prophylaxis represents a more efficient use of antiviral treatment.

**ISSN:** 0025-729X

**2011 Impact Factor:** 2.813

**2011 SCimago Journal Rankings:** 0.151

- **ISI Accession Number ID**: WOS:000269171100005
- **PubMed Central ID**: PMC3073016

## Author Affiliations
1. Harvard School of Public Health
2. The University of Hong Kong
3. Royal Melbourne Hospital
4. University of Melbourne
5. University of New South Wales
Article: Understanding Australia's influenza pandemic policy on the strategy of the antiviral drug stockpile

File Download
No File Attached

Contact the author(s)?
(May Require Subscription)

Scopus: eid_2-s2.0-70349582647
PMID: 19645639

Find via WebBridge HKU Libraries

Basic View | Metadata View | XML View
---|---|---
Title: Understanding Australia's influenza pandemic policy on the strategy of the antiviral drug stockpile

Authors:
- McCaw, JM
- Wood, JG
- McBryde, ES
- Nolan, TM
- Wu, JT
- Lipsitch, M
- McVernon, J

Issue Date: 2009
Publisher: Australasian Medical Publishing Company Pty Ltd. The Journal's website is http://www.mja.com.au

Citation: Medical Journal Of Australia, 2009, v. 191 n. 3, p. 136-137

Abstract: Targeted post-exposure prophylaxis represents a more efficient use of treatment alone.

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PubMed Central ID: PMC3073016

Author Affiliations:
1. Harvard School of Public Health
2. The University of Hong Kong
3. Royal Melbourne Hospital
4. University of Melbourne
5. University of New South Wales

Supplementary
- Citations: Scopus: 4, PubMed Central: 2
- Item Statistics (The Hub)
- Appears in Collections: Community Medicine: Journal/Magazine Articles

Alt-metrics

Article Level Metrics

Contact the Author?
Article: Understanding Australia's influenza pandemic policy on the strategic stockpile of antiviral drug stockpile

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1. Harvard School of Public Health
2. The University of Hong Kong
3. Royal Melbourne Hospital
4. University of Melbourne
5. University of New South Wales
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 potentiated 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.

ISSN 1932-6203
2011 Impact Factor: 4.092
2011 SClImago Journal Rankings: 0.519

ISI Accession Number ID: WOS:000207459600009

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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/I-07 and FRG/06-07/II-43) 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.

PubMed Central ID: PMC2117346

References in Scopus

Grants
- Role of kinesin-mediated intracellular transportation in Alzheimer's Disease
- Role of kinesin-mediated intracellular transportation in Alzheimer's Disease
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<td>Research interests, picture, etc.</td>
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HKU Researcher Page: Bacon-Shone, JH

Contact Information

Professor Bacon-Shone, John Hugh

Tel: 3917 1600
Office: CJT 815
Dept: Social Sciences Research Ctr
Faculty: Faculty of Social Sciences
Curriculum Vitae

Research Interests: (click to check for cognate researchers)

- Compositional data
- Gambling
- Immigration and population policy
- Privacy policy
- Telephone survey methodology

My URLs:

- Biography
- Google Scholar Citations

Also Cited As:

- Bacon-shone, John
- Bacon-shone, J
- Baconshone, J
- Bacon-Shone, J
Ms Cheung, Debra Tin Mei
張天湄

- Associate Professor
  Dept: Dept of Architecture
  Faculty: Faculty of Architecture

<table>
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<td>Honorary Selection Award &amp; Prize (Premio do Trabalhos Seleccionados), Public Competition for the Architectural Concept of the New Port Authority Building and Surrounding Environment (Concurso Publicopara o Projecto de Concepciao Arquitectonica do Novo Edificio da Capitania dos Portos e Optimizao da Zona Envolvente), Macau, SAR: Capitania dos Portos, Macau, SAR Servicos de Solos, Obras Publicas e Transporte, Macau, SAR (Government of Macau, SAR, China), Capitania dos Portos/Direccao dos Servicos de Solos (Macau), Macau, SAR, China</td>
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<td>01-11-2007</td>
<td>Winning Entry, Design Ideas Competition for Marina South Residential District, Singapore: Singapore Institute of Architects, Urban Redevelopment Authorities - Singapore Government</td>
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<td>01-09-2006</td>
<td>Honorary Mention Award (Profesional Category), International Architectural Competition 'Celebration of Cities 2' - UIA in collaboration with UNESCO, 2006: Union of International Architects (UIA) in collaboration with UNESCO - Awarded and Exhibited at the Venice Biennale:</td>
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</table>
Professor Tsui, Amy Bik May
徐碧美
- Pro-Vice-Chancellor and Vice-President (Teaching and Learning)
- Professor: Chair of Language and Education

Dept: Education Faculty
V-C’s Office
Faculty: Faculty of Education

Supervision of Research Postgraduate Students

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<th>Admission</th>
<th>Field of Study</th>
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<td>Rong Xiaoyan</td>
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<tr>
<td>2008 Phd</td>
<td>Sociolinguistics, Discourse Analysis, Problem-based Learning Curriculum</td>
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<td>Imafuku Rintaro</td>
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<tr>
<td>2005 Phd</td>
<td>Cross-cultural Psychology and Applied Linguistics</td>
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<td>Yu Baohua</td>
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<tr>
<td>2005 Phd</td>
<td>Classroom Interaction, Small Class Teaching</td>
<td>Cross-cultural Adaptation and Second Language Acquisition: A Study of International Students in Universities of the People’s Republic of China</td>
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Professor Chow, Billy Kwok Chong

- **Dept:** School of Biological Sciences
- **Faculty:** Faculty of Science

### External Metrics

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<td><strong>AuthorID:</strong> 7102826193</td>
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211 publications indexed in the Hub. Of these:
- 83 are found in WoS, with 1668 citations
- 103 are found in PubMed, with 209 citations
- 20 are found in CiteULike
### Monthly Increases (Scopus, Web of Science, and PubMed)

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<th>Title</th>
<th>Totals (as of today)</th>
<th>Increases for Feb 2013</th>
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<td>Characterization of an additional molt inhibiting hormone-like neuropeptide from the shrimp Metapenaeus ensis</td>
<td>Scopus: 35</td>
<td>WoS: 31</td>
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<td>Circulating EM66 is a highly sensitive marker for the diagnosis and follow-up of pheochromocytoma</td>
<td>Scopus: 15</td>
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<td>Cloning and characterization of a PAC1 receptor hop-1 splice variant in goldfish (Carassius auratus)</td>
<td>Scopus: 14</td>
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<td>CpG Methylation and Transcription Factors Sp1 and Sp3 Regulate the Expression of the Human Secretin Receptor Gene</td>
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<td>Differential expression of human gonadotropin-releasing hormone receptor gene in pituitary and ovarian cells</td>
<td>Scopus: 18</td>
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<td>Discovery of a new reproductive hormone in teleosts: Pituitary adenylate cyclase-activating polypeptide-related peptide (PRP)</td>
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# External Sources

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RESEARCHERPAGE VIEW COUNT (FROM DEC 2010)

Country View Count:
- US - United States of America: 640
- CN - China: 457
- HKU - The University of Hong Kong: 257
- HK - Hong Kong: 158
- EG - Egypt: 137
- GB - United Kingdom: 62
- RU - Russian Federation: 27
- FR - France: 26
- IN - India: 15
- TW - Taiwan: 15
- other: 1
Quantifying the urban heat island (UHI) intensity in Hong Kong

Authors: Siu, Leong-wai

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.

Geography

DOI: http://dx.doi.org/10.5353/th_b4569256

HKU Library Item ID: b4569256
Grants (Projects)!
**Grant:** Reinforced concrete coupling beams with embedded steel plate

<table>
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<th>Project Title</th>
<th>Reinforced concrete coupling beams with embedded steel plate</th>
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<td>Su, Kai Leung</td>
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<td>Effects of shear connectors on plate-reinforced composite coupling beams of short and medium-length spans</td>
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<td>A survey on axial load ratios of structural walls in medium-rise residential buildings in Hong Kong</td>
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<td>Strengthening of reinforced concrete coupling beams by bolted steel plates</td>
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**Granted Patent:** Luminescent Gold (iii) Compounds, Their Preparation, And Light-emitting Devices Containing Same

**Title:** Luminescent Gold (iii) Compounds, Their Preparation, And Light-emitting Devices 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, Xueling

**Citation:** US Patent 7572912. Washington, DC: US Patent and Trademark Office, 2009

**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): \( \text{R} \text{.sub.1.R} \text{.sub.2.R} \text{.sub.4} \) each independently represent the group containing hydrogen, halogen, alkynyl, substituted alkynyl, alkyl substituted alkyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, alkoy, substituted alkoy, amino, substituted amino, cyano, nitro, alkylcarbonyl, alkoxy carbonyl, aryloxycarbonyl, alkxy oxycarbonyl, and the like; \( X, Y \) and \( Z \) each independently represent a heteroatom or a carbon; \( \# \text{STR00001#} \) 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 zero or an integer; \( p, q \) and \( r \) represent positive integers.

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

**Cites:** US 20030040627
Published Patent: Methods using Lycium barbarum extracts as neuroprotective agents for retinal ganglion cells degeneration

**Title**: Methods using Lycium barbarum extracts as neuroprotective agents for retinal ganglion cells degeneration

**Priority Date**: 2005-02-25 US 11/066628

**Inventors**
- So, KF
- Yuen, WH
- Chang, RCC
- Zee, SY

**Citation**

**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.

**Persistent Identifier**
http://hdl.handle.net/10722/45673

**Publication**
Neuroprotective effects of anti-aging oriental medicine Lycium barbarum against b-amyloid peptide neurotoxicity
# Networks: Bacon-Shone, JH

## Co-Authors

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<td>Dr Day Jeffrey Richard</td>
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<td>Professor McGhee Sarah</td>
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<td>Dr Shek Daniel T.L.</td>
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Evolution 2
• Other CRIS functions:
  – Monthly stat reports to each scholar
    • Citation totals, and % of monthly increase
    • Alt metrics: number of views and downloads
  – Web service to extract any Hub data and re-use
  – Supply departmental citation increases to HKU Sr Management Team
  – Supply citation counts for HK University Grants Committee (UGC) RAE
CRIS; included & overlapping concepts

- Reputation Management System
  - Proactive & reactive measures to enhance & protect reputation
- Impact Management System
  - Research outputs
  - Impact metrics
  - Professional Activities
  - Measures of Esteem
  - Community, Industry & Policy impact, etc
- Research Networking System
  - to discovery & use scholarly information
  - to facilitate the development of new collaborations & team science
  - have analytical capabilities that enable evaluation of scholarly activity over time
  - makes data available for broad repurposing
- Research Profiling System
- Expert Finder
- IR
• Funded by HKU KEO
• All new Hub features ➔ Dspace community
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• Looking for interested collaborators & testers
• Publications are central
• Not just bibliographic metadata
  – People
  – Projects / grants
  – Awards
  – Patents
  – Results / impact
• In the meantime,
  – Decline of print cataloguing
  – Re-purposing, re-training
  – All Hub metadata curated by the Cataloguing Dept.
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References


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