HKUST Institutional Repository (IR)

http://repository.ust.hk/ir/

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Agenda

- What is actually HKUST IR doing?
- Why does the University need IR?
- How could IR work with the scholars?
- How could IR benefit scholars and the University?

HKUST Institutional Repository (IR)

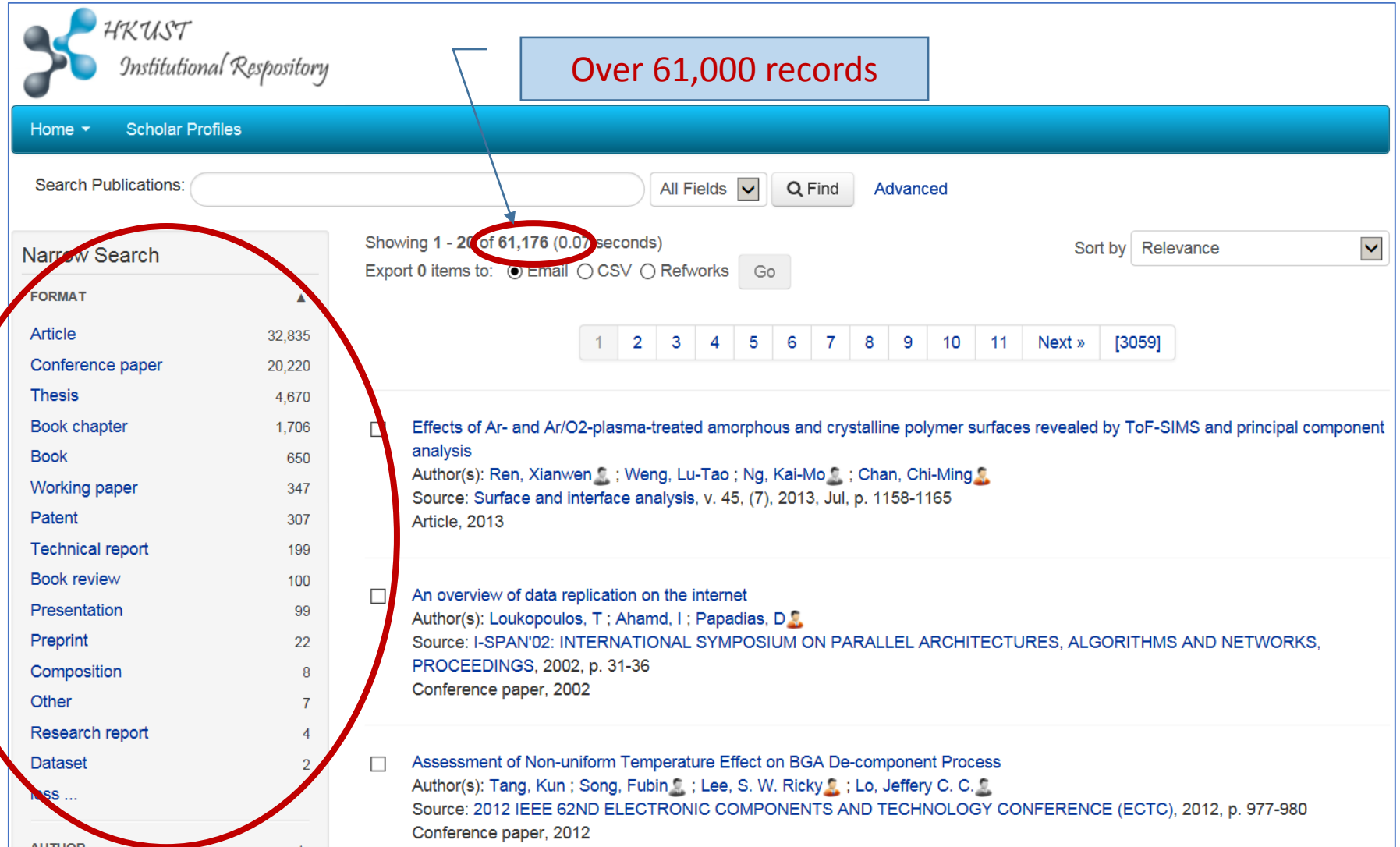
Features

- It is a database using DSpace for storage, a software originally developed at MIT
- It complies with the Open Archives Initiative (OAI) which allows the content to be easily discovered by web search engines, services, and indexing tools, such as Google and OAIster
- Its content can be searched by keyword(s) in all fields or particularly in article title, journal title, author, subject or ISSN/ISBN field.

HKUST Institutional Repository (IR)

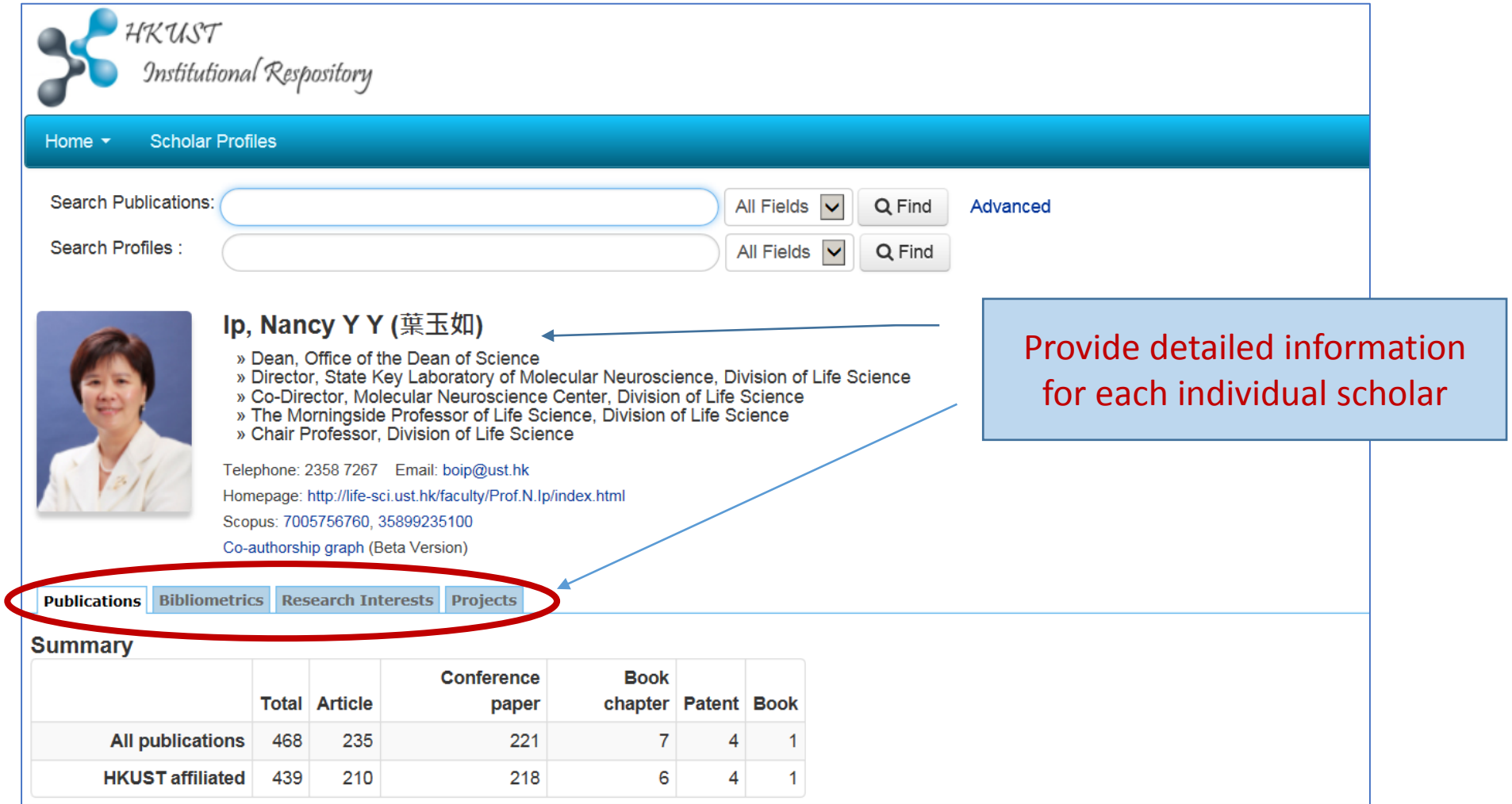
1. Indexes HKUST community's scholarly output

Collect different types of output



HKUST Institutional Repository (IR)

2. Provides Scholar Profile to showcase HKUST faculty members' publications, bibliometrics, research interests and projects

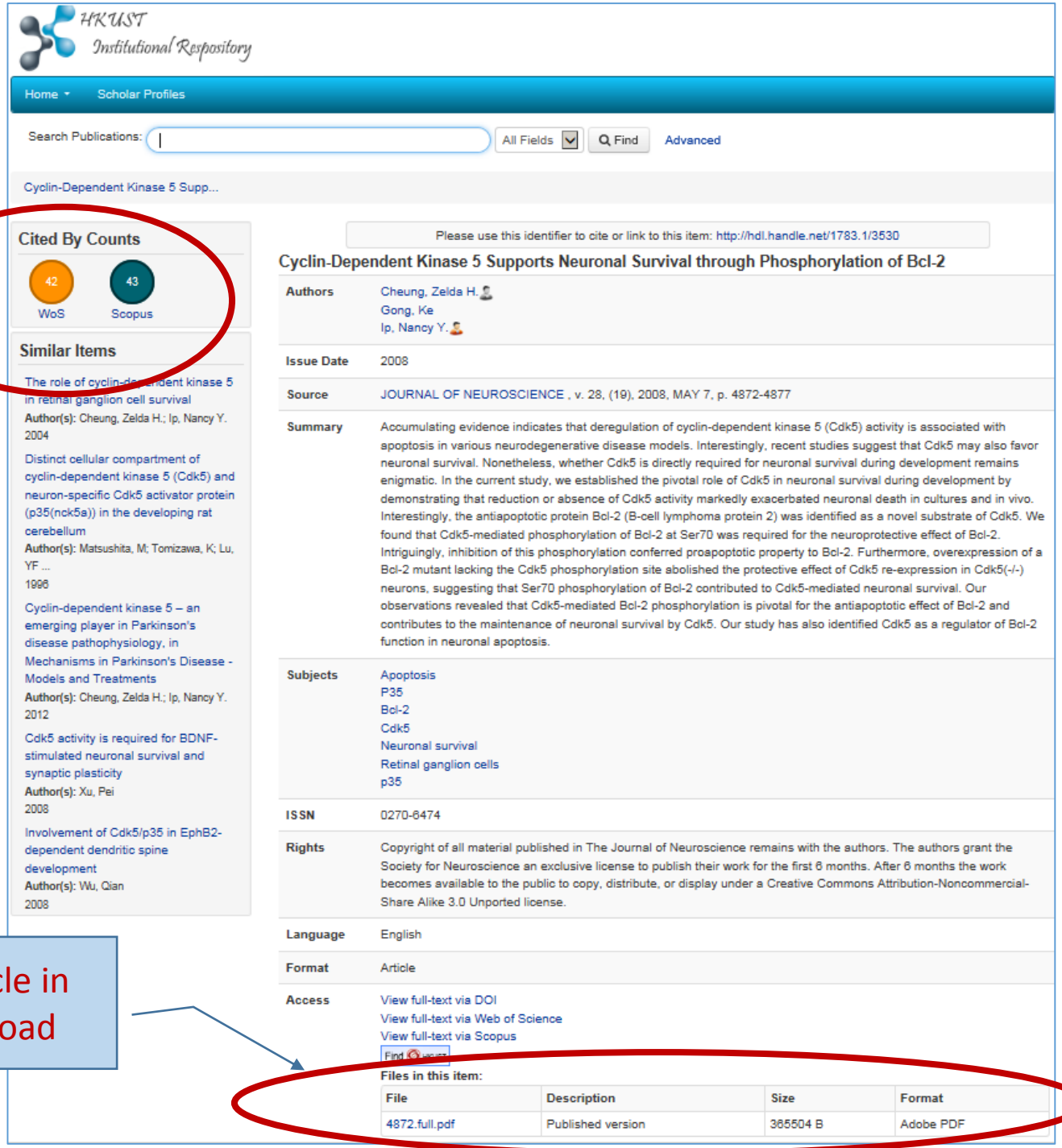


HKUST Institutional Repository (IR)

3. Preserves scholarly output and allow them to be openly accessible

Provide real time citation counts in WoS and Scopus

Allow OA version of the article in full-text for public to download



Why does the University need IR?

Yes, this is not a must!

Functional needs

- The University needs an online archive for preserving its scholarly output
- The University needs a centralized platform for showcasing its research experts and output

Mandates

1. Institution's mandate : Faculty member needs to grant the institution the non-exclusive permission to make his or her research output be openly accessible.

   The examples of institutions implemented OA mandate:

   - Massachusetts Institute of Technology (MIT)
   - University College London (UCL)
   - Nanyang Technological University (NTU)
   - The Hong Kong Polytechnic University

Why does the University need IR?

Mandates

2. Funder's mandate : The funding agency requires its researchers to deposit a copy of the research publication in a OA repository immediately upon publication or with a few months of embargo period.
   The examples of funders implemented OA mandate:
   - National Institutes of Health (NIH) in US
   - European Research Council (ERC)
   - Hong Kong Research Grants Council (RGC)

The responsibility of Principal Investigator (PI)

* An extract from the section 12 of Application Form (GRF1)

…. I undertake that upon acceptance of a paper for publication,

i. I will check whether the publisher already allows (A) full open access to the publisher's version, or (B) my depositing a copy of the paper (either the publisher's version or the final accepted manuscript after peer-review) in the institutional repository for open access;

ii. if both (i) (A) and (B) are not allowed, I will request the publisher to allow me to place either version in my institutional repository for restricted access immediately upon publication or after an embargo period of up to twelve months if required by the publisher; and

iii. subject to the publisher's agreement on (i) or (ii) above, I will deposit a copy of the publication in my institutional repository as early as possible but no later than six months after publication or the embargo period, if any.

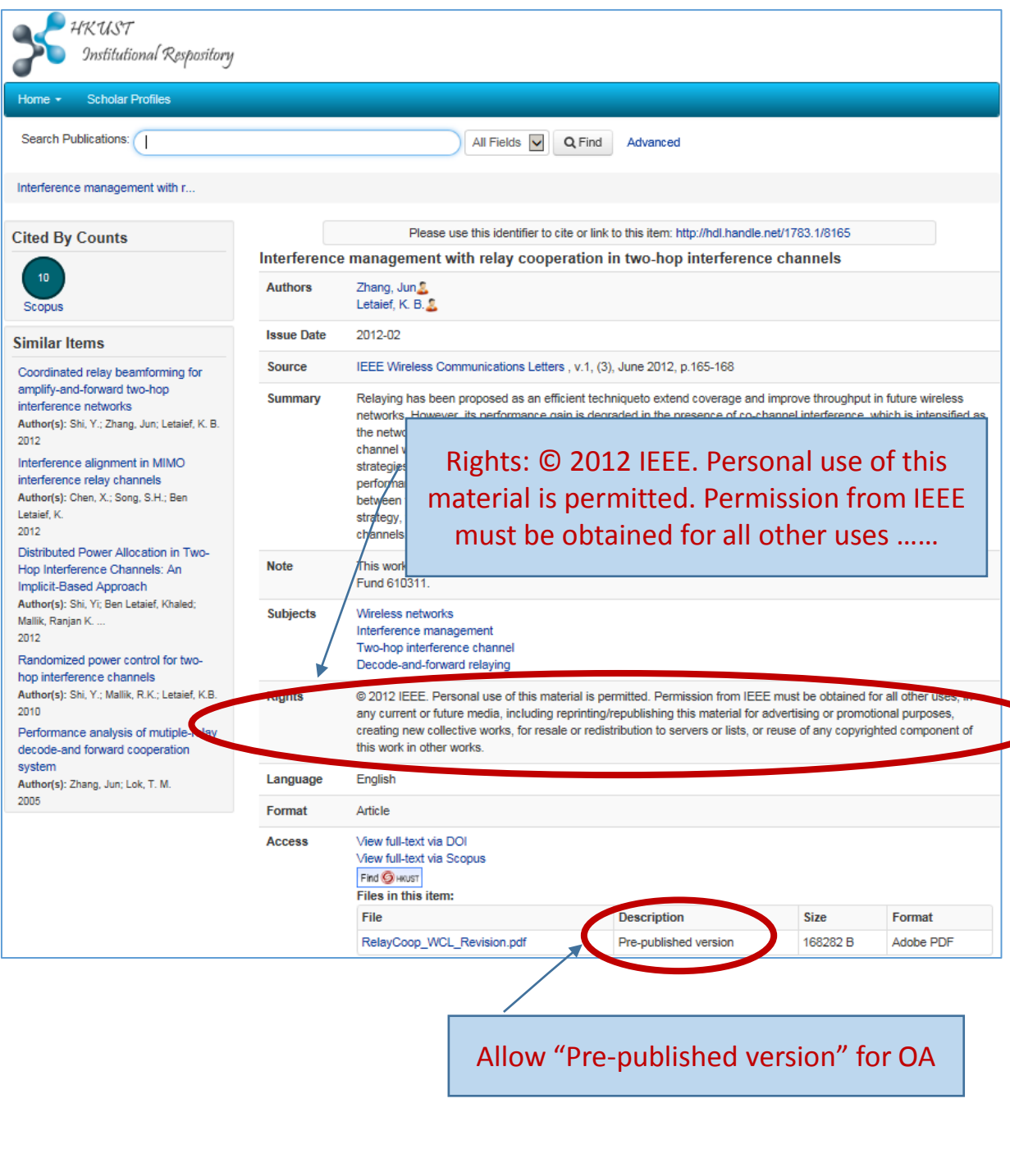
How could IR work with the scholars?

HKUST Scholars

1. Keep the pre-published versions of the research publication
   - ❑ Pre-print: the final manuscript/draft submitted to the publisher, AND/OR
   - ❑ Post-print: the final accepted version after peer-review and ready to be published
2. Submit the above version(s) to IR after the publication is published
   - ❑ by email via lbir@ust.hk
   - ❑ by online submission via http://library.ust.hk/ir_submit

IR team

1. Clear copyright issue with the publishers/copyright owners
   - ➢ Confirm which version(s) can be deposited in IR
   - ➢ Clarify on the license requirement/notice of acknowledge/copyright statement
   - ➢ Note the embargo periods if any
2. Post the record with correct version of the article into IR for open access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2012
Distributed Power Allocation in Two-Hop Interference Channels: An Implicit-Based Approach
Author(s): Shi, Yi; Ben Letaief, Khaled; Mallik, Ranjan K. ...
2012
Randomized power control for two-hop interference channels
Author(s): Shi, Y.; Mallik, R.K.; Letaief, K.B.
2010
Performance analysis of mutiple-relay decode-and forward cooperation system
Author(s): Zhang, Jun; Lok, T. M.
2005
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Interference management with relay cooperation in two-hop interference channels
Authors
Zhang, Jun
Letaief, K. B.
Issue Date
2012-02
Source
IEEE Wireless Communications Letters , v.1, (3), June 2012, p.165-168
Summary
Relaying has been proposed as an efficient techniqueto extend coverage and improve throughput in future wireless networks. However, its performance gain is degraded in the presence of co-channel interference, which is intensified as the netwo
channel
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Note
This work
Fund 610311.
Subjects
Wireless networks
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Decode-and-forward relaying
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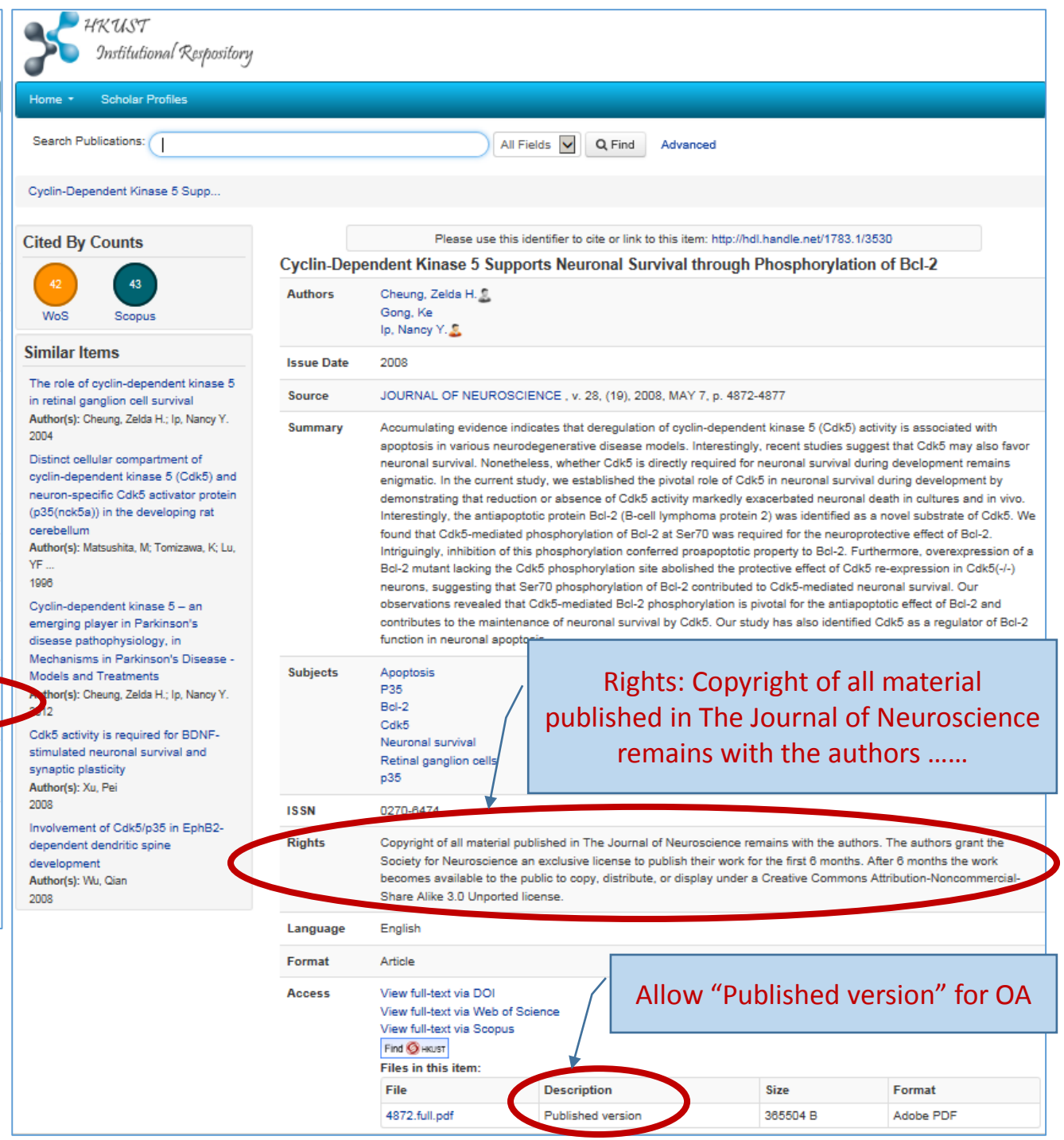
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The role of cyclin-dependent kinase 5 in retinal ganglion cell survival
Author(s): Cheung, Zelda H.; Ip, Nancy Y.
2004
Distinct cellular compartment of cyclin-dependent kinase 5 (Cdk5) and neuron-specific Cdk5 activator protein (p35(nck5a)) in the developing rat cerebellum
Author(s): Matsushita, M; Tomizawa, K; Lu, YF ...
1996
Cyclin-dependent kinase 5 – an emerging player in Parkinson's disease pathophysiology, in Mechanisms in Parkinson's Disease - Models and Treatments
Author(s): Cheung, Zelda H.; Ip, Nancy Y.
2012
Cdk5 activity is required for BDNF-stimulated neuronal survival and synaptic plasticity
Author(s): Xu, Pei
2008
Involvement of Cdk5/p35 in EphB2-dependent dendritic spine development
Author(s): Wu, Qian
2008
Please use this identifier to cite or link to this item: http://hdl.handle.net/1783.1/3530
Cyclin-Dependent Kinase 5 Supports Neuronal Survival through Phosphorylation of Bcl-2
Authors
Cheung, Zelda H.
Gong, Ke
Ip, Nancy Y.
Issue Date
2008
Source
JOURNAL OF NEUROSCIENCE , v. 28, (19), 2008, MAY 7, p. 4872-4877
Summary
Accumulating evidence indicates that deregulation of cyclin-dependent kinase 5 (Cdk5) activity is associated with apoptosis in various neurodegenerative disease models. Interestingly, recent studies suggest that Cdk5 may also favor neuronal survival. Nonetheless, whether Cdk5 is directly required for neuronal survival during development remains enigmatic. In the current study, we established the pivotal role of Cdk5 in neuronal survival during development by demonstrating that reduction or absence of Cdk5 activity markedly exacerbated neuronal death in cultures and in vivo. Interestingly, the antiapoptotic protein Bcl-2 (B-cell lymphoma protein 2) was identified as a novel substrate of Cdk5. We found that Cdk5-mediated phosphorylation of Bcl-2 at Ser70 was required for the neuroprotective effect of Bcl-2. Intriguingly, inhibition of this phosphorylation conferred proapoptotic property to Bcl-2. Furthermore, overexpression of a Bcl-2 mutant lacking the Cdk5 phosphorylation site abolished the protective effect of Cdk5 re-expression in Cdk5(-/-) neurons, suggesting that Ser70 phosphorylation of Bcl-2 contributed to Cdk5-mediated neuronal survival. Our observations revealed that Cdk5-mediated Bcl-2 phosphorylation is pivotal for the antiapoptotic effect of Bcl-2 and contributes to the maintenance of neuronal survival by Cdk5. Our study has also identified Cdk5 as a regulator of Bcl-2 function in neuronal apoptosis
Subjects
Apoptosis
P35
Bcl-2
Cdk5
Neuronal survival
Retinal ganglion cells
p35
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How could IR benefit scholars and the University?

Scholar can

- ✓ own and maintain your centralized profile showcasing publications, bibliometrics, research interests and projects all at once
- ✓ manage and store digital content (including data) connected with your research
- ✓ increase the visibility of your research output after making them openly accessible
- ✓ increase the research impact as OA research output can be cited more easily
- ✓ fulfill the requirement of OA mandates if any
- ✓ be the pioneer in those fast moving subjects such as Electronics because you can make preprints open access via IR to establish that they were the first and to get feedback quickly

How could IR benefit scholars and the University?

The University can

- ✓ store and preserve institutional digital assets, not only scholarly research output but also grey literature such as theses or technical report
- ✓ provide persistent access to all content
- ✓ increase the worldwide visibility of the researchers and their output, groups and centres, research topics and interests
- ✓ increase the ranking position by a greater web presence
- ✓ contribute to social and economic development in HK and beyond by providing free access to the research output to other smaller research institutions and SMEs
- ✓ stimulate new research partnerships after getting greater visibility of research results through more channels
- ✓ demonstrate the support and commitment to Open Access, Open Innovation and Open Science

Further details about ……

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~ 23rd October 2014 ~

Q & A session