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Faculty Scholarship and Creative Works

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11-4-2016

## Not Your Father's Faculty Bibliography: Making University Scholarly Output Shine.

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# Not Your Father's Faculty Bibliography

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Making University Scholarly  
Output Shine

Ryan Otto  
Kansas State University  
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University of Central Florida  
@cybrgrl



# Roadmap

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- ❖ The Why
- ❖ The Project Overview
- ❖ The Future
- ❖ The Wrap Up



# The Why: Environmental Scan

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# The Why

❖ Environmental scan to create:

- ❖ Scholarly Communication Office
- ❖ Institutional repository

❖ Leading efforts

- ❖ Dr. Penny Beile, Associate Director. UCF libraries
- ❖ Scholarly Communications Task Force

The screenshot shows the UCF Psychology website. At the top, the header includes 'UCF PSYCHOLOGY' and a navigation menu with links: ABOUT, PEOPLE, UNDERGRAD, GRADUATE, CAMPUSES, PUBS & LABS, PSYCH CLINIC, and TEACH. Below the header is a search bar with the text 'Search Psychology...'. A left sidebar contains a 'HOME' link and a list of menu items: About, People, Undergrad, Graduate, Campuses, Pubs & Labs, Psych Clinic, and Teach. The main content area is titled 'Publications & Presentations 2013-2014' and includes a call to action: 'Click on this image for selected reprints from faculty and students:'. Below this is a 'Follow me on ResearchGate' button. A section titled 'Published Research Last 3 Years' lists 'Refereed Journal Articles' with three entries: 1) Alderson, R. M., Rapport, M. D., Kasper, L. J., Sarver, D. E., & Kofler, M. J. (in press, 2013). Hyperactivity in boys with attention-deficit/hyperactivity disorder (ADHD): The association between deficient behavioral inhibition, attentional processes, and objectively measured activity. *Child Neuropsychology*, 18, 487-505. 2) Asberg, K. & Renk, K. (2013). Comparing incarcerated and college student women with a history of childhood sexual abuse: The role of abuse severity, support, and substance use. *Psychological Trauma: Theory, Research, Practice, and Policy*, 5 (2), 167-175. 3) Asberg, K. & Renk, K. (2014). Perceived social support and external locus of control as predictors of psychological adjustment among incarcerated females with or without a history of childhood maltreatment. *International Journal of Offender Therapy and Comparative Criminology*, 58 (1), ...


# The Why

UCF BIOLOGY — ABOUT UNDERGRAD GRAD PEOPLE RESEARCH FACILITIES EVENTS NEWS FACULTY POSITIONS GIVE

HOME » PEOPLE »

Search Biology...

## PATRICK BOHLEN

 Professor  
✉ [patrick.bohlen@ucf.edu](mailto:patrick.bohlen@ucf.edu)  
☎ 407-823-1940  
📍 Biological Sciences, BIO407, Facilities and Safety 161E

**Research Area(s):** Current research interests in ecosystem ecology; urban ecology; ecology and valuation of urban green space; wetland ecosystem services

### PUBLICATIONS

- McDonnell, M. J., S. T. A. Pickett, R. V. Pouyat, R. W. Parmelee, M. Carreiro, P. Groffman, **P. Bohlen**, W. C. Zipperer and K. Medley. 1997. Ecosystem processes along urban-to-rural gradients. *Urban Ecosystems* 1: 21-36.
- Groffman, P. M. and **P. J. Bohlen**. 1999. Soil and sediment biodiversity: Cross-system comparisons and large-scale effects. *Bioscience* 49: 139-148.
- **Bohlen, P. J.**, R. W. Parmelee, M. F. Allen and Q. M. Ketterings. 1999. Differential effects of earthworms on nitrogen cycling from various nitrogen-15-labeled substrates. *Soil Science Society of America Journal* 63: 882-890.
- **Bohlen, P. J.**, P. M. Groffman, C. T. Driscoll, T. J. Fahey and T. G. Siccama. 2001. Plant-soil-microbial interactions in a northern hardwood forest. *Ecology* 82: 965-978.
- Steinman, A. D., J. Conklin, **P. J. Bohlen**, and D. G. Uzarski. 2003. Influence of cattle grazing and pasture land use on macroinvertebrate communities in freshwater wetlands. *Wetlands* 23: 877-889.
- **Bohlen, P. J.**, P. M. Groffman, T. J. Fahey, M. C. Fisk, E. Suárez, D. M. Pelletier and R. T. Fahey. 2004. Ecosystem consequences of exotic earthworm invasion of north temperate forests. *Ecosystems* 7: 1-12.

RESEARCH  
**PUBLICATIONS**  
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📖 Curriculum Vitae  
🌐 Personal Website

BACK TO TOP

❖ Findings? Everyone had a bibliography!

❖ Faculty

❖ Department

❖ College

❖ Campus need to collect, organize, & showcase publications

# The Why

**Publications**

Show publications from


Authored by


Of type

Search titles for keywords


Found 170 publications. Page 1 of 9 << [Previous Page](#) | [Next Page](#) >>


**Journal Papers (refereed)**

**2015**  J. van Weerdenburg, A. Velazquez-Benitez, R. van Uden, P. Sillard, D. Molin, R. Amezcua-Correa, E. Antonio-Lopez, M. Kuschnerov, F. Huijskens, H. de Waardt, T. Koonen, R. Amezcua Correa, C. Okonkwo  
"10 Spatial mode transmission using low differential mode delay 6-LP fiber using all-fiber photonic lanterns"  
Optics Express 23(19), pp.24759-24769

**2015**  N. Dupuis, B. G. Lee, J. E. Proesel, A. Rylyakov, R. R. Donadio, C. W. Baks, A. Ardey, C. L. Schow, A. Ramaswamy, J. E. Roth, R. S. Guzzon, B. Koch, D. K. Sparacin, and G. A. Fish  
"30gbps optical link combining heterogeneously integrated III-V/Si photonics with 32nm cmos circuits"  
IEEE Journal of Lightwave Technology, 33(3), pp. 657-662

**2015** M. Li, X. Yang, Y. Zhang, G. Zhao, J. Beadsworth, L. Eifert, F. Tucker, D.G. Deppe  
"901 nm lithographic vertical-cavity surface-emitting laser with stable single-lobed beam pattern"  
Electronics Letters 51(21), pp.1683-U104

**2015**  A. Rylyakov, J. Proesel, S. Rylov, B. Lee, J. Bulzacchelli, A. Ardey, B. Parker, M. Beakes, C. Baks, C. Schow, M. Meghelli  
"A 25 gb/s burst-mode receiver for low latency photonic switch networks"  
IEEE Journal of Solid-State Circuits, 99, Invited-Special Issue

**2015**  Z. Luo, H. Chen, Y. Liu, S. Xu, and S.T. Wu  
"A color-tunable LED with quantum dot suspension"  
Applied Optics 54(10), pp.2845-2850

**2015** D. Padula, I.R. Lahoz, C. Diaz, F.E. Hernandez, L. Di Bari, A. Rizzo, F. Santoro, M.M. Cid  
"A combined experimental-computational investigation to uncover the puzzling (chiro-)optical response of wideband plasmonic: one- and two-photon spectra"

❖ \*Warning\*

Copyright &  
permissions

❖ Bibliographies &  
full-text posting  
done in silos

❖ No outside help

❖ SHOULD they? Not  
just can they?

# The Why: We Can Help

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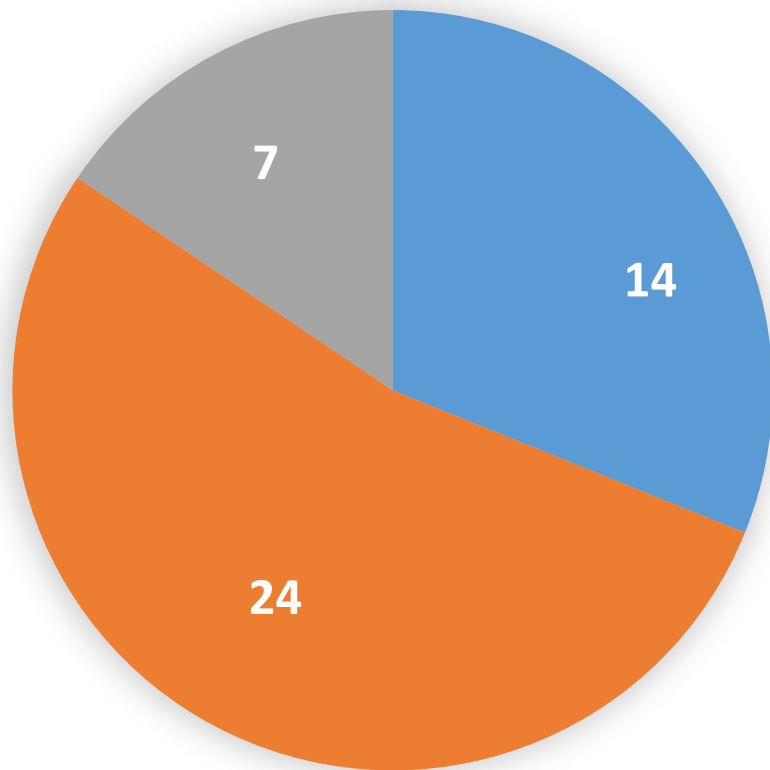
- ❖ Scholarly Communications is in the academic library's wheelhouse
- ❖ Provide expertise
  - ❖ Copyright & permissions
  - ❖ Metadata
- ❖ Decentralized approach leads to inefficiency
  - ❖ Each department dedicates time to web page upkeep
- ❖ Centralizing leverages economy of scale
  - ❖ Cost savings & better return on investment (ROI)



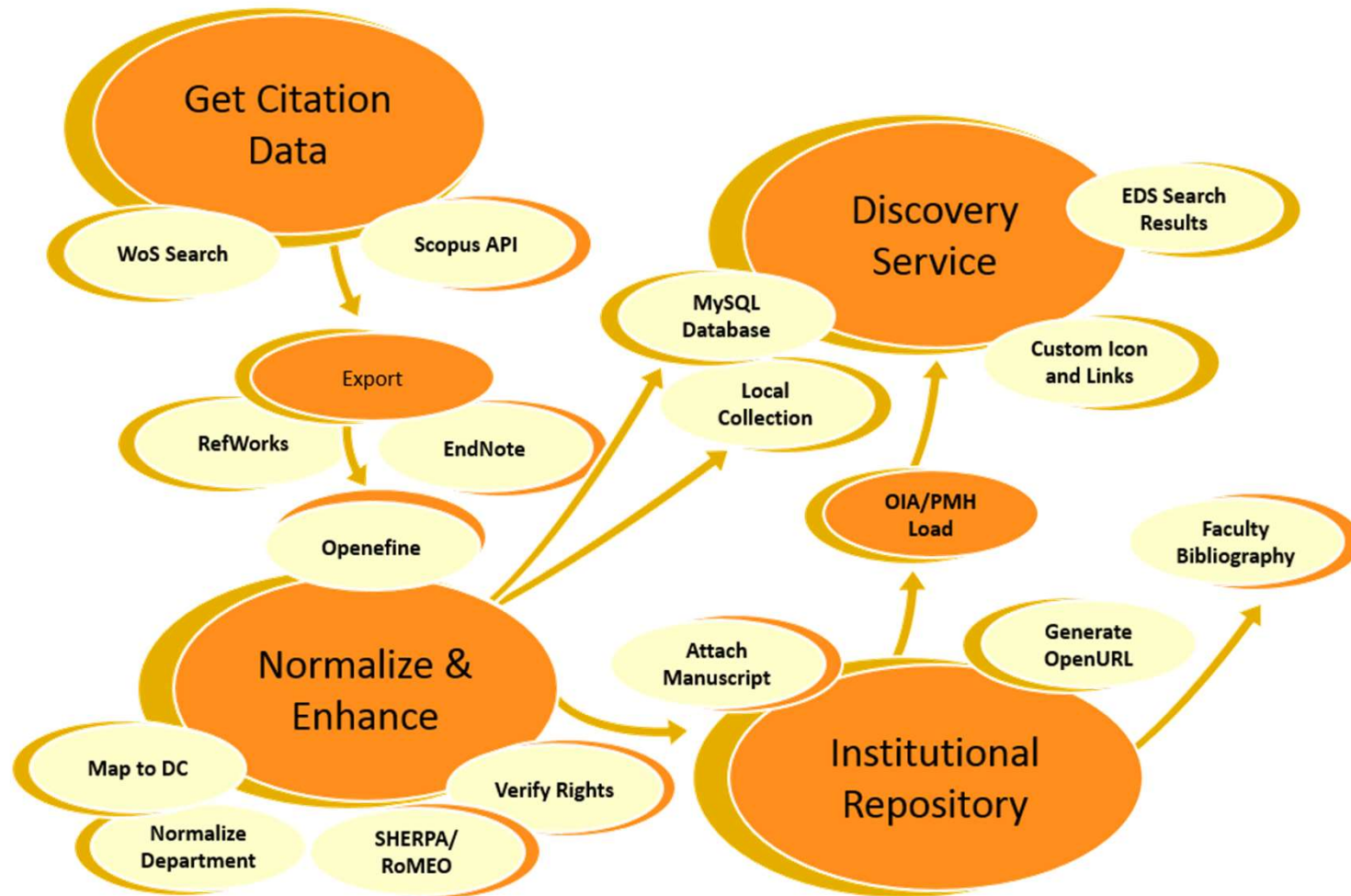


## When you search for scholarly papers on a topic, which do you prefer?

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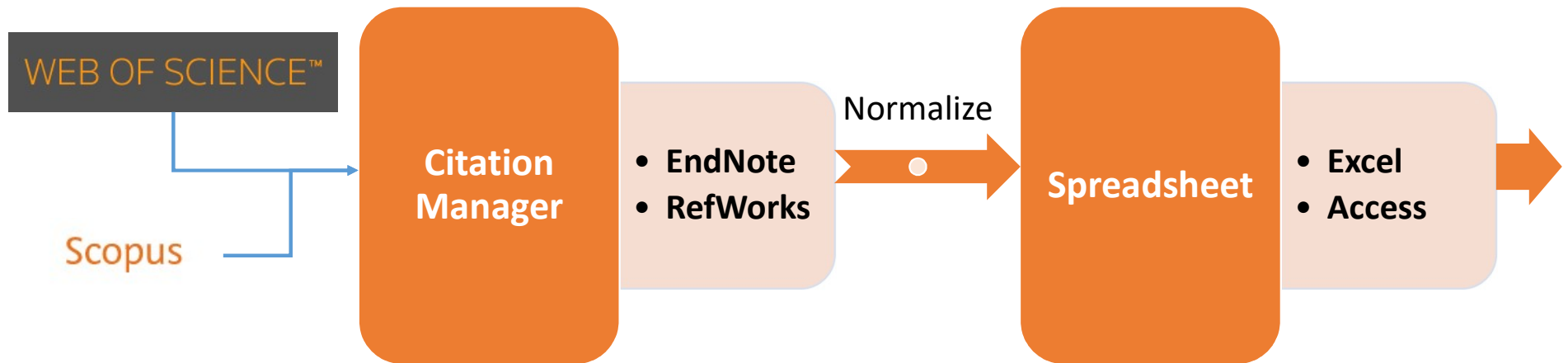


- 14** A list where every result has full content immediately available.
- 24** A more comprehensive list of results that includes some items for which full content is not available.
- 7** I do not have a preference.



# The Project Overview

---



# The Project Overview: Tools

---

## Indexes

- ❖ Affiliation name searches in either Scopus or Web of Science (WoS)
- ❖ Export records to format corresponding to preferred citation manager

## Citation Managers (Optional)

- ❖ Normalizes metadata from different schemas
- ❖ Automatically attaches a unique record identifier
- ❖ Options for customized export schema

## Spreadsheet (Excel)

- ❖ Wider availability
- ❖ Most simple and straightforward

## Access (Relational Database)

- ❖ Enhances capability
- ❖ Larger & bulkier infrastructure
- ❖ Time investment to setup & maintain



# The Project Overview: Tools

---

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# The Project Overview: Tools

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# The Project Overview

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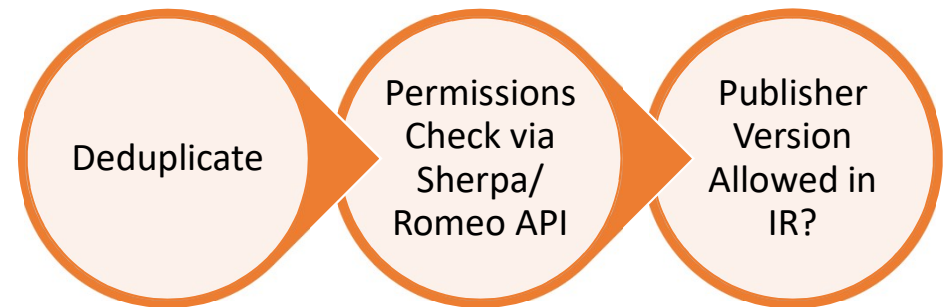
## ❖ Deduplication

❖ By hand, match & sort by title & ISSN

❖ Automated via citation manager

## ❖ Automated permissions checking

❖ Is the publisher version allowed in IR?

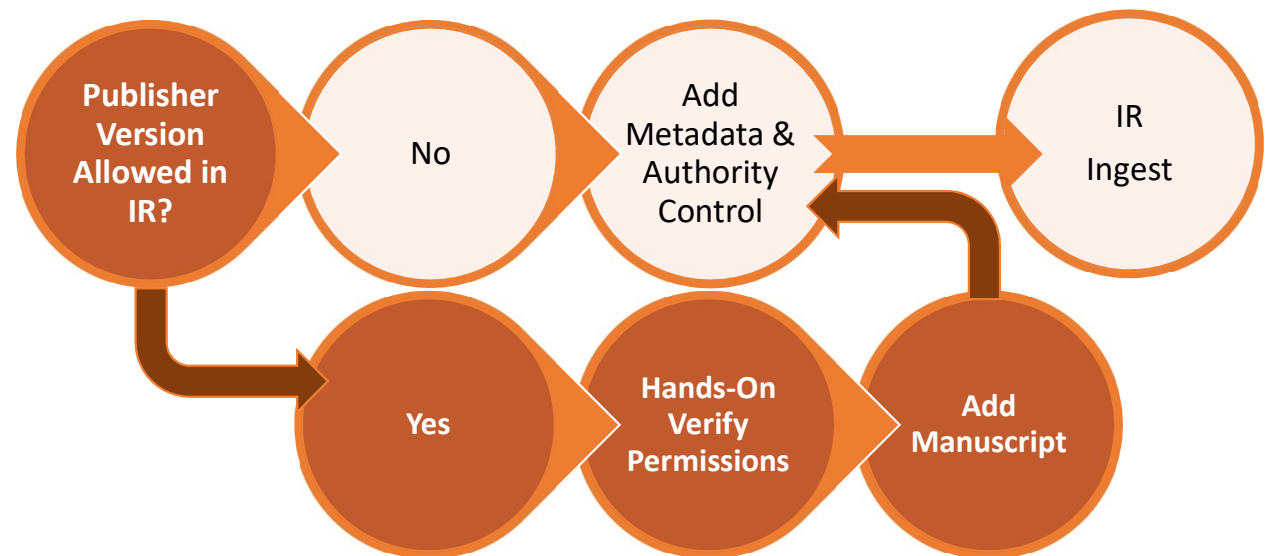


# The Project Overview

---

## Publisher Version Allowed

- ❖ Confirm Sherpa/Romeo
- ❖ Confirm & add embargo
- ❖ Confirm & add rights statements
  - ❖ CC license (if applicable)
- ❖ Download & prep manuscript



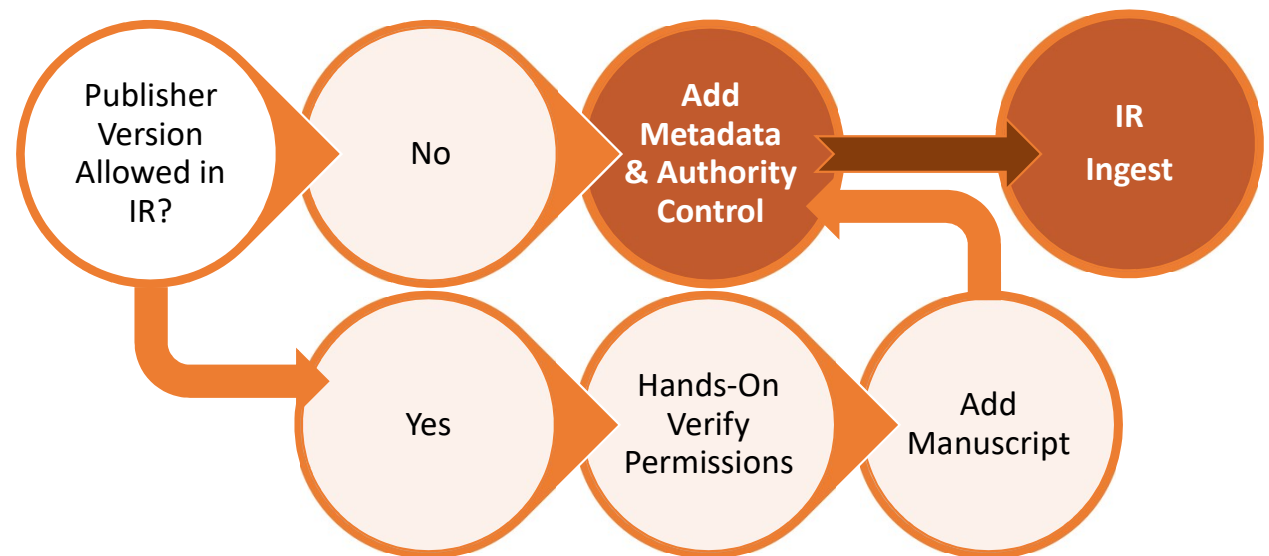


# The Project Overview

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## Add Metadata

- ❖ Name & keyword formatting
- ❖ Author identifiers
  - ❖ Institutional
  - ❖ Orcid
- ❖ College/Dept. affiliation
- ❖ Prep for IR ingest



# The Project Overview

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## Institutional Repository

- ❖ Single source for bibliography
  - ❖ Represent manuscript whether hosted on IR or on publisher site
- ❖ RSS or system feeds integrates bib into faculty and department web pages.
- ❖ Social scholarly network link to IR for durable and consistent URLs




# Show and Tell: K-Rex Faculty Bibliography

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Now showing items 1-6 of 6

[Feed additives for swine: Fact sheets – acidifiers and antibiotics](#)

Jacela, Jay Y.; DeRouche, Joel M.; Tokach, Michael D.; Goodband, Robert D.; Nelssen, Jim L.; Renter, David G.; Dritz, Steven S. (2012-04-06)

Feed additives are non-nutritive products used in swine diets to improve production efficiency and performance. If chosen carefully and used properly, feed additives can be effective and can help increase the profitability ...

[Feed additives for swine: Fact sheets – carcass modifiers, carbohydrate-degrading enzymes and proteases, and anthelmintics](#)

Jacela, Jay Y.; DeRouche, Joel M.; Tokach, Michael D.; Goodland, Robert D.; Nelssen, Jim L.; Renter, David G.; Dritz, Steven S. (2012-04-06)

There is increasing consumer demand for leaner and healthier pork products. Improvements in genetics, new technologies, and increased understanding of nutrition have become instrumental in helping producers meet this ...

[Feed additives for swine: Fact sheets – flavors and mold inhibitors, mycotoxin binders, and antioxidants](#)

Jacela, Jay Y.; DeRouche, Joel M.; Tokach, Michael D.; Goodband, Robert D.; Nelssen, Jim L.; Renter, David G.; Dritz, Steven S. (2012-04-06)

Under the conditions of modern swine production, pigs need to be fed a balanced diet that meets their daily nutritional requirement for maintenance, growth, and reproduction. However, nutrient intake is largely determined ...

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## Feed additives for swine: Fact sheets – acidifiers and antibiotics

Jacela, Jay Y.; DeRouchey, Joel M.; Tokach, Michael D.; Goodband, Robert D.; Nelssen, Jim L.; Renter, David G.; Dritz, Steven S.

Feed additives are non-nutritive products

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# Show and Tell: STARS Faculty Bibliography

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## Links

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## Works from 2007

[Effect of packing parameter on phase diagram of amphiphiles:](#)

[An off-lattice Gibbs ensemble approach](#), G K. Bourov and A  
Bhattacharya

[A double patching technique for efficient bandwidth sharing in  
video-on-demand systems](#), Y Cai, W Tavanapong, and K A. Hua

[Study on polymeric precursor pyrolysis synthesis and growth  
mechanism of Si<sub>3</sub>N<sub>4</sub> nanobelts](#), Z P. Xie, W Y. Yang, H T. Wang,  
G Q. Liu, H Z. Miao, and A Linan

## Works from 2006

[Ultraviolet irradiation-induced photoluminescence degradation in](#)

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**Study on polymeric precursor pyrolysis synthesis and growth mechanism of Si<sub>3</sub>N<sub>4</sub> nanobelts**

[Z P. Xie](#)  
[W Y. Yang](#)  
[H T. Wang](#)  
[G Q. Liu](#)  
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[A Linan](#)

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**Keywords**  
polymeric precursor; pyrolysis; Si<sub>3</sub>N<sub>4</sub> nanobelts; solid-

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# Complications with Linking

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- ❖ No hosted manuscript
- ❖ Rely on OpenURL links
- ❖ UCF can generate links...
- ❖ Digital Commons can auto-generate links...
- ❖ DOI ca link...

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# Getting out of the IR box

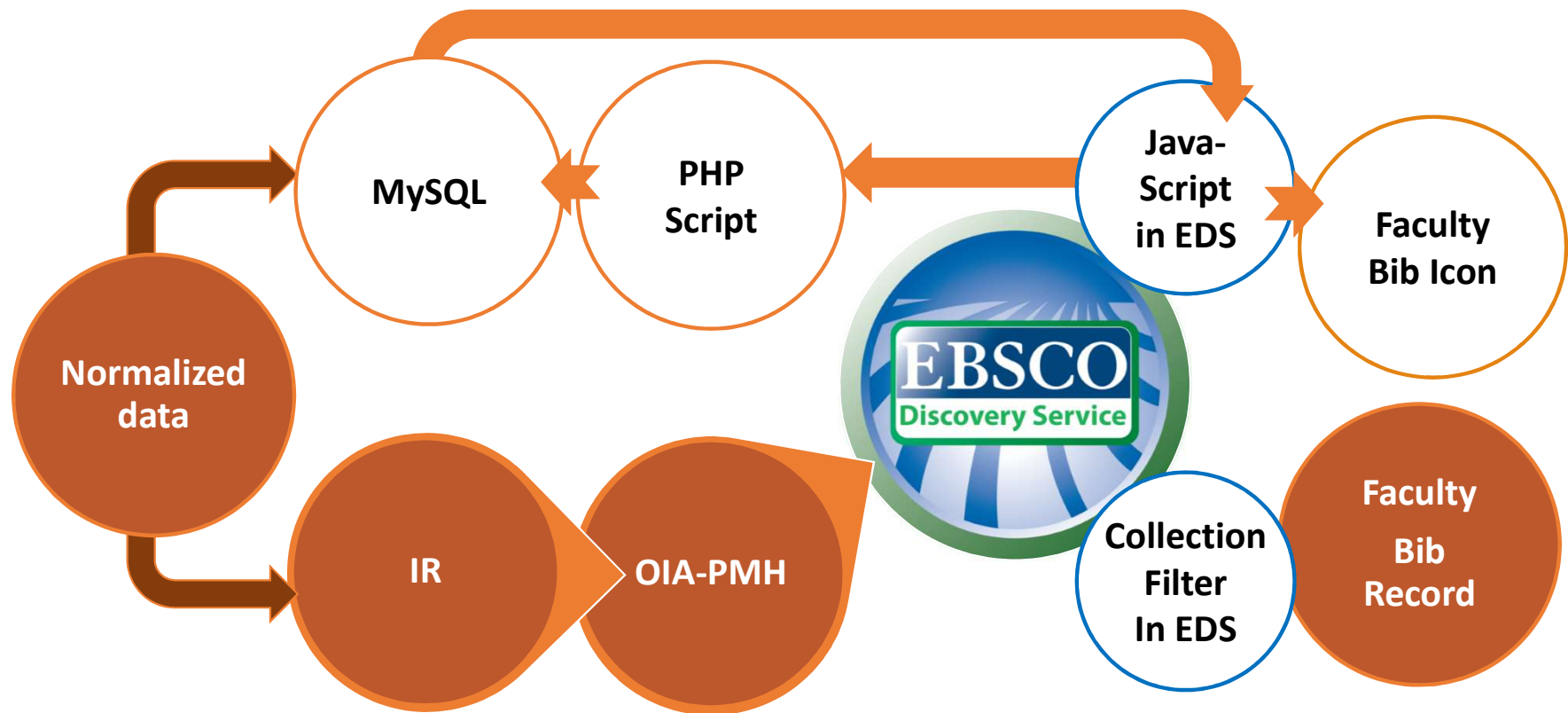
---



- ❖ Searchers  
probably not  
coming to IR
- ❖ OAI-PMH  
harvesting:
  - ❖ OIAster & other
  - ❖ EDS
  - ❖ Domain Irs?



# Two Paths to Discovery



# OAI-PMH into EBSCO Discovery

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*But can you spot  
the Faculty  
Bibliography  
records?*




# Faculty Bib in EBSCO Discovery Service

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- ❖ University icon next to records from ANY source
- ❖ OpenURL links to publisher hosted full text
- ❖ In the future, link back to the IR record

Note: Exact duplicates removed from the results.

1. [Multiwavelength modelocked semiconductor lasers for photonic access network applications](#)  



 UCF Author

Academic Journal Mielke, MM; **Alphonse, GA**; Delfyett, PJ. *IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS*; APR, 2007; 25; 4; p120-p128, Database: Science Citation Index

**Subjects:** modelocked lasers; semiconductor lasers; optical pulse generation; wavelength division multiplexing; MODE PARTITION NOISE; DIODE-LASERS; LOOP MIRROR; LOCKING; SYSTEMS; SUPPRESSION; JITTER; FIBER; ENGINEERING, ELECTRICAL & ELECTRONIC; TELECOMMUNICATIONS

[Times Cited in Web of Science<sup>SM</sup>: \(5\)](#)

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2. [Ultrashort pulse generation by intracavity spectral shaping and phase compensation of external-cavity modelocked semiconductor lasers](#)  



 UCF Author

Academic Journal Gee, S; **Alphonse, GA**; Connolly, JC; Barty, C; Delfyett, PJ. *IEEE JOURNAL OF QUANTUM ELECTRONICS*; SEP, 2000; 36; 9; p1035-p1040, Database: Science Citation Index

**Subjects:** intracavity spectral shaping; modelocked diode lasers; optical phase measurements; pulse shaping; ultrafast pulse generation; OPTICAL PULSES; SELF-PHASE; AMPLIFIERS; GAIN; ABSORPTION; MODULATION; DYNAMICS; DIODES; ENGINEERING, ELECTRICAL & ELECTRONIC; PHYSICS, APPLIED

# Implications: What is the right role of the IR?

---

- ❖ Green OA platform?
- ❖ To promote the University as a whole?
- ❖ Documentation for employee assessment?
  - ❖ The street goes both ways





# Implications: Have IRs failed?

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❖ Time to re-think the institutional repository? -

Richard Poynder

❖ Are institutional repositories a dead end? -

Aaron Tay

❖ Let IR RIP - Eric Van de Velde



# Implications: Role of the IR

---

*The point of IRs, in my view, isn't to disrupt the existing scholarly publishing system, but to allow it to be expanded and diversified by providing **access and stewardship for material that mainly falls outside of the traditional scholarly publishing** system as it exists today – both material created by faculty and material created by the institution, or departments or other groups within it.*

❖ Clifford Lynch, Coalition for Networked Information

# Implications

---

## ❖ Harvesting

- ❖ Controlling where these records are harvested into

## ❖ Google

- ❖ Metadata only records in IRs distort search results
- ❖ Deprioritize actual full-text content for the IR

## ❖ Promote more works of the authors, even without full-text

## ❖ Can represent non-traditional scholarly works



# The metadata-only question

OA  
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- Search for a Library

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Publisher: SAGE P  
Edition/Format: Arch  
Database: WorldC  
Summary: Objectiv  
activity  
Method  
of AME  
the Coc

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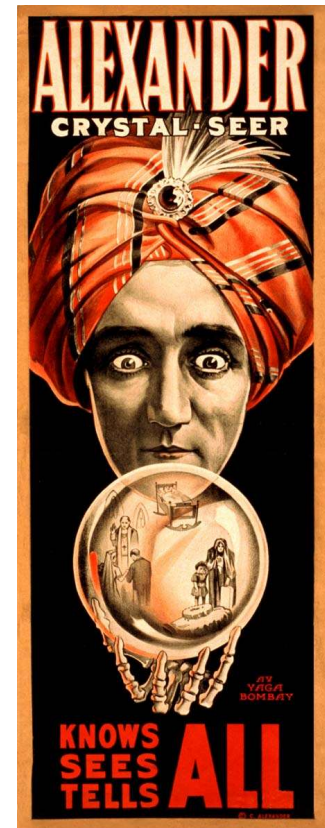
Enter your location: GA

*Is this a  
useful find?*

# Automagical Author and Manuscript Checking

---

- ❖ APIs to check author organization in WoS,  
Scopus
- ❖ API to check for citation and/or full content in  
IR
- ❖ OAdoi



# References

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- ❖ Flynn, S. X., Oyler, C., Miles, M. (2013) **Using XSLT and Google Scripts to Streamline Populating an Institutional Repository.** *Code4Lib*, 19.
- ❖ Poynder, R. (2016) **Q&A with CNI's Clifford Lynch: Time to re-think the institutional repository?** *Open and Shut.* [http://poynder.blogspot.com/2016/09/q-with-cnis-clifford-lynch-time-to-re\\_22.html](http://poynder.blogspot.com/2016/09/q-with-cnis-clifford-lynch-time-to-re_22.html)
- ❖ Tay, A. (2016) **Are institutional repositories a dead end?** *Musings about librarianship.* <http://musingsaboutlibrarianship.blogspot.com/2016/08/are-institutional-repositories-failing.html#.WBueKGorLIU>
- ❖ Velde, E. V. (2016) **Let IR RIP.** *SciTechSociety.* <http://scitechsociety.blogspot.com/2016/07/let-ir-rip.html>



# Thank you!

---



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❖ @cybrgrl

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- ❖ Sai Deng - University of Central Florida
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- ❖ Eric Frierson – EBSCO Discovery Services Lead Engineer

