

Retractions and Corrections at Scholars Portal Journals

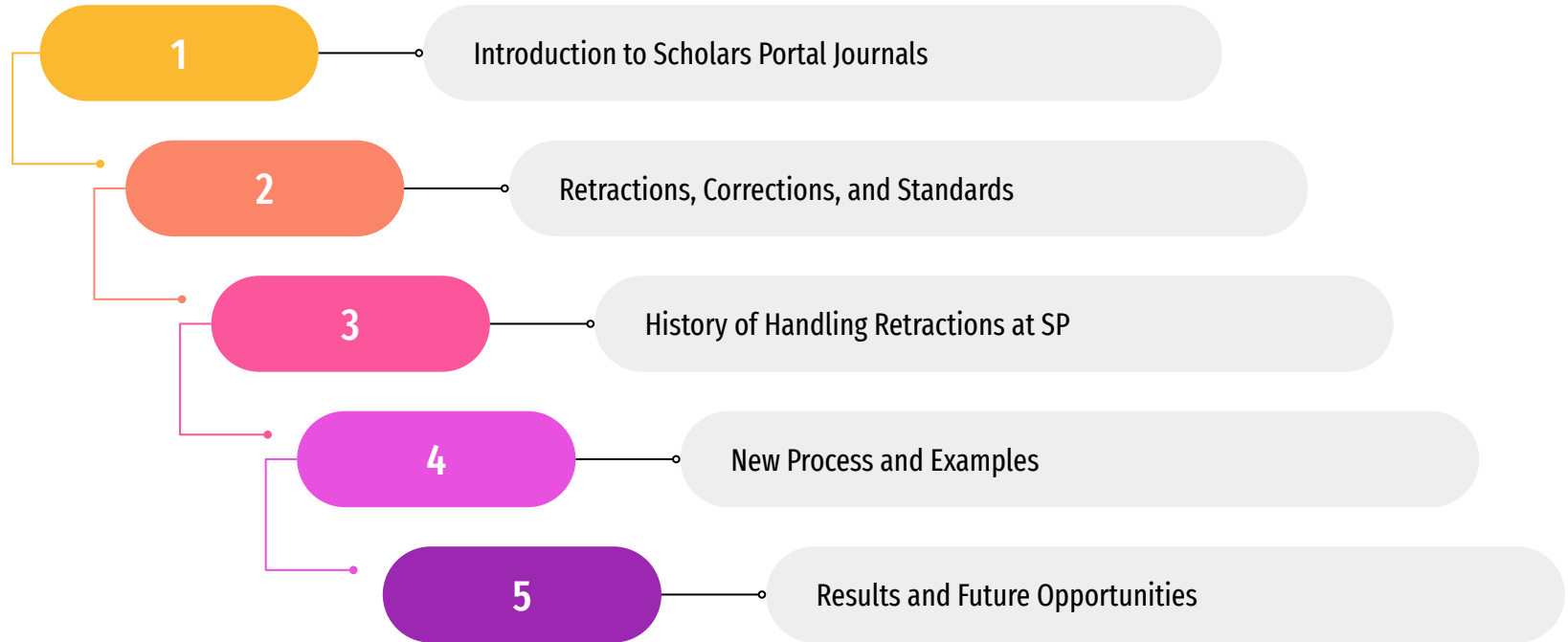
Jessica Hymers
Qinqin Lin

Land Acknowledgement

"I (we) wish to acknowledge this land on which the University of Toronto operates. For thousands of years it has been the traditional land of the Huron-Wendat, the Seneca, and the Mississaugas of the Credit. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land."



Agenda



Scholars Portal Journals



OCUL

Founded in 2002 SP provides the shared technology infrastructure for OCUL

Certified TDR in 2013 ensuring long term preservation



TDR Preservation



Scholars Portal
Journals XML
database

Continuous Loading



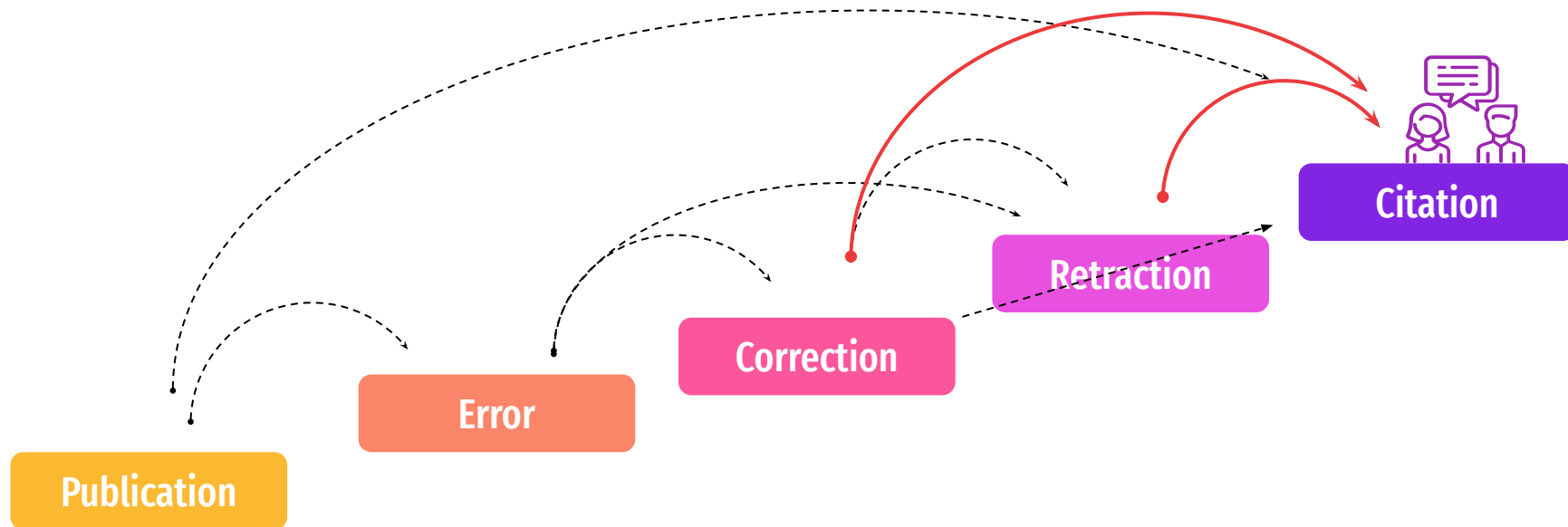
Average of 12,000 journal articles loaded each day.

Provides access to OCUL licensed content to over 500,000 users across Ontario

Access Across Ontario



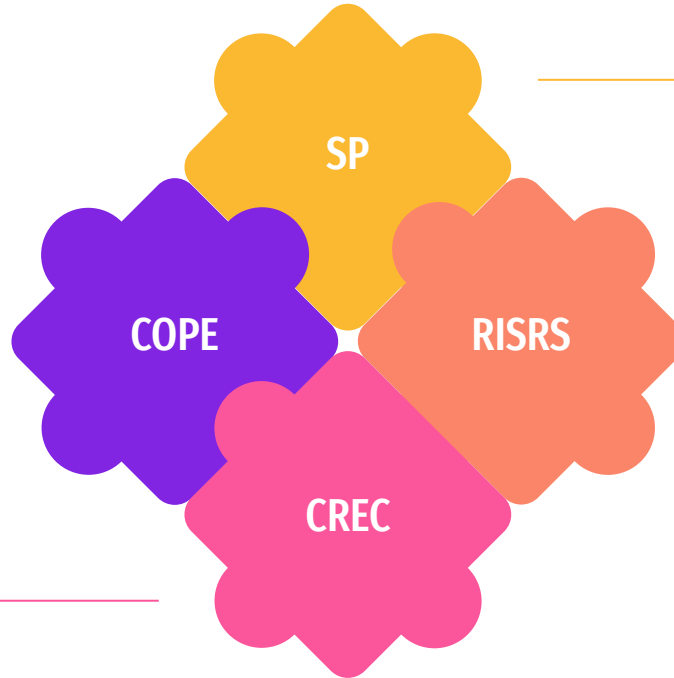
Retractions and Corrections



Standards and Communities of Practice

Committee On
Publication Ethics

NISO - Communication
of Retractions,
Removals and
Expressions of Concern



Scholars Portal

Reducing the
Inadvertent Spread of
Retracted Science



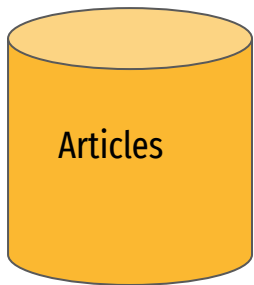
History of SP Handling Retractions

SP needs a system for handling retractions that is as automatic and as clear as possible.

New Approach

```
<related-article related-article-type="retracted-article"  
  ext-link-type="doi"  
  xlink:href=  
    "10.1102/0010-5412.120860" />
```


Coding



read/update

Standalone Java program

get articles contain element <related-article>

For article A, if it's <related-artilce> has DOI attribute, then look for article B based on this DOI in database

Insert article A's DOI into B as element <related-article>'s attribute.
<related-article xlink:href= 'doi of A'>

```
StringBuilder query = new StringBuilder();
query.append(XQUERY_VERSION);
query.append(" let $doc := doc('');
query.append(uri);
query.append('') return $doc//related-article/@related-article-type");
return execut(query.toString());
```

JAVA

```
public static String getRelatedArticleType(String publisher, String relatedArticleType) {
    query.append(" let $type := ' ');
    query.append(relatedArticleType);
    query.append(" let $dataset-type :=
doc(\"/LOGS/RelatedArticleTypeMapping.xml\")//dataset-type[@name eq $publisher] ");
    query.append(" return if($dataset-type) then (");
    query.append("let $matching_article_type := $dataset-type//related-article[@type eq
$type]/matching-article-type/text() ");
    query.append("return if($matching_article_type) then $matching_article_type ");
    query.append("else concat(\" Warning: Found new related-article type: \", $type, \" for publisher
\", $publisher)) ");
    query.append(" else concat(\"Warning: Found new publisher \", $publisher, \" for related-article
type: \", $type) ");
}
```

INTERFACE

```
let $retractions := $article//related-article
let $hrefs := $retraction/(@xlink:href | @xlink.href)
let $note_uri := u:getURIbydoi($href)
let $related-article-type := $href/../@related-article-type or "default"
let $type := u:getRelatedArticleTypeDisplayText($publisher, $related-article-type, $language)
return
  <div>
    <i class="fa fa-exclamation-triangle" aria-hidden="true"></i>
    {$type}
    <a href="https://resolver.scholarsportal.info/resolve{$note_uri}">{$note_uri}</a>
  </div>
<script src="{ $c:base }/js/local.js" type='text/javascript'></script>
```

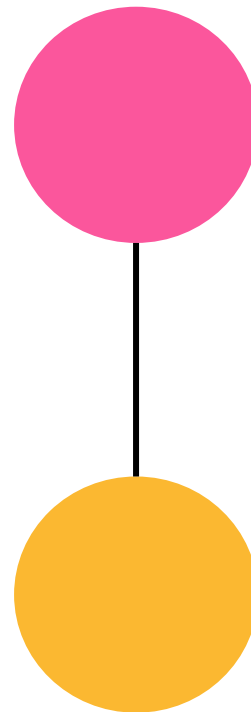
Case 1

Retracted article with watermarked PDF:

```
<related-article related-article-type="retraction-forward"  
  ext-link-type="doi" xlink:href=  
  "10.4103/0019-5413.189615"/>
```

Retraction Notice

```
<related-article related-article-type="retracted-article"  
  ext-link-type="doi" xlink:href="10.4103/0019-5413.139860"/>
```



RETRACTED ARTICLE: Hip spica versus Rush pins for management of femoral diaphyseal fractures in children

Mohammad Ruhullah, Hare Ram Singh, Sanjay Shah, Dipak Shrestha

October 2014, 48(5), p.488 - 494 - Indian Journal of Orthopaedics

 Open Access

 This article has been retracted: [/00195413/v50i0005/579_rnthsvofdfic.xml](https://resolver-scholarsportal-info.myaccess.library.utoronto.ca/resolve/00195413/v50i0005/579_rnthsvofdfic.xml)

 PDF Download  Save Citation

URI https://resolver-scholarsportal-info.myaccess.library.utoronto.ca/resolve/00195413/v48i0005/488_rahsvrofdic.xml

DOI <https://doi-org.myaccess.library.utoronto.ca/10.4103/0019-5413.139860>

Preservation Status [Report a problem](#)

Background

Femoral fractures are common in children between 2 and 12 years of age and 75% of the time followed by a plaster cast is universally accepted as conservative treatment. We compared reduction and fixation with retrogradely placed crossed Rush pins for diaphyseal femur fractures.

Indian Journal of Orthopaedics / 50(5)

Retraction Note to: Hip spica versus Rush pins for management of femoral diaphyseal fractures in children

Mohammad Ruhullah, Hare Ram Singh, Sanjay Shah, Dipak Shrestha

October 2016, 50(5), p.579 - 579 - Indian Journal of Orthopaedics

 Open Access

 This article is a retraction notice for: [/00195413/v48i0005/488_rahsvrofdic.xml](https://resolver-scholarsportal-info.myaccess.library.utoronto.ca/resolve/00195413/v48i0005/488_rahsvrofdic.xml)

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URI https://resolver-scholarsportal-info.myaccess.library.utoronto.ca/resolve/00195413/v50i0005/579_rnthsvofdfic.xml

DOI <https://doi-org.myaccess.library.utoronto.ca/10.4103/0019-5413.189615>

Preservation Status [Report a problem](#)

Case 1: XML Mapping

```
<dataset-type name="PublisherA">
  <related-article type="retracted-article">
    <DisplayText lang="en">This article is a retraction notice for:</DisplayText>
    <DisplayText lang="fr">Cet article est un avis de rétraction pour :</DisplayText>
  </related-article>
  <related-article type="retraction-forward">
    <DisplayText lang="en">This article has been retracted:</DisplayText>
    <DisplayText lang="fr">Cet article a été retiré :</DisplayText>
  </related-article>
</dataset-type>
```

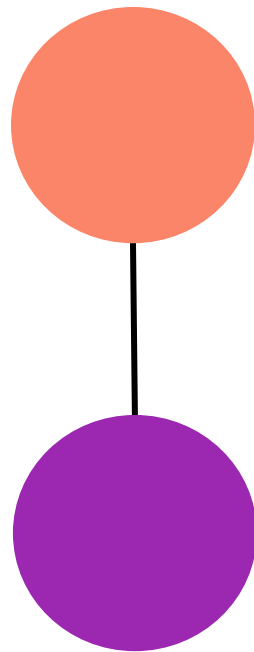
Case 2

Original Article

```
INSERT: <related-article related-article-type="retraction-forward"
      ext-link-type="doi" xlink:href= "10/7759/cureus.r33"
      xmlns:xlink="http://www.w3.org/1999/xlink">
</related-article>
```

Retraction Notice

```
<related-article related-article-type="retracted-article" id="d24e93"
  ext-link-type="doi" xlink:href="10.7759/cureus.6741">
  <article-title>Comparison of Oral versus Intravenous Proton Pump
    Inhibitors in Preventing Re-bleeding from Peptic Ulcer after
    Successful Endoscopic Therapy</article-title>
</related-article>
```



Case 2: XML Mapping

```
<dataset-type name= "PublisherB">
  <related-article type="retracted-article">
    <DisplayText lang="en">This article is a retraction notice for:</DisplayText>
    <DisplayText lang="fr">Cet article est un avis de rétraction pour:</DisplayText>
    <matching-article-type>retraction-forward</matching-article-type>
  </related-article>
  <related-article type="retraction-forward">
    <DisplayText lang="en">This article has been retracted:</DisplayText>
    <DisplayText lang="fr">Cet article a été retiré:</DisplayText>
    <matching-article-type>retracted-article</matching-article-type>
  </related-article>
</dataset-type>
```


DEFAULT

```
<dataset-type name="default">
  <related-article type= "default">
    <DisplayText lang="en">Additional materials:</DisplayText>
    <DisplayText lang="fr">Matériaux additionnels:</DisplayText>
    <matching-article-type>default-forward</matching-article-type>
  </related-article>
  <related-article type="default-forward">
    <DisplayText lang="en">Additional materials</DisplayText>
    <DisplayText lang="fr">Matériaux additionnels:</DisplayText>
    <matching-article-type>default</matching-article-type>
  </related-article>
</dataset-type>
```

Case 3

Retracted Article

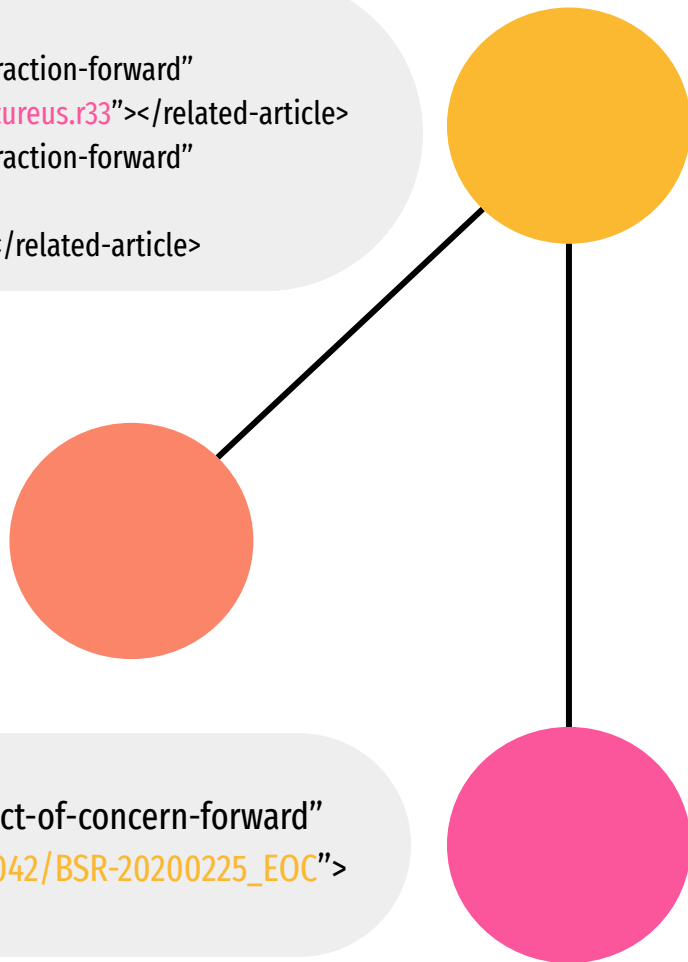
```
INSERT: <related-article related-article-type="retraction-forward"  
      ext-link-type="doi" xlink:href="10/7759/cureus.r33"></related-article>  
INSERT: <related-article related-article-type="retraction-forward"  
      ext-link-type="doi"  
      xlink:href="10.1042/BSR-20200225_RET"></related-article>
```

Retraction Notice

```
<related-article related-article-type="retracted-article"  
      ext-link-type="doi" xlink:href="10.1042/BSR20200225">  
</related-article>
```

Expression of Concern

```
<related-article related-article-type="object-of-concern-forward"  
      ext-link-type="doi" xlink:href="10.1042/BSR-20200225_EOC">  
</related-article>
```



Bioscience Reports / 40(6)

Combinatorial approach of *in silico* and *in vitro* evaluation of *MLH1* variant associated with Lynch syndrome like metastatic colorectal cancer

Komal Saleem, Tahir Zaib, Wei Ji, Chunhui Zhang, Qian Qin, Yusi Wang, Lidan Xu, Hanfei Yu, Siqi Zhu, Kexian Dong, Shuhan Si, Xueyuan Jia, Jie Wu, Songbin Fu^{ORCID}, Wenjing Sun^{ORCID}

June 2020, 40(6) - Bioscience Reports

 Open Access


⚠ There has been an expression of concern published for this article: [/01448463/v40i0006/nfp_eoccaolslmcc.xml](https://doi.org/10.1042/BSR20200225)

⚠ This article has been retracted: [/01448463/v40i0007/nfp_rcaoislslmcc.xml](https://doi.org/10.1042/BSR20200225)

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URI https://resolver-scholarsportal-info.myaccess.library.utoronto.ca/resolve/01448463/v40i0006/nfp_caoisalslmcc.xml 

DOI <https://doi-org.myaccess.library.utoronto.ca/10.1042/BSR20200225> 

Preservation Status

Report a problem

Results (approximate)

<related-article>	1163925
DEFAULT	395726
CORRECTIONS	751431
RETRACTIONS	14822
EXPRESSIONS OF CONCERN	1946

corrected-article	78596
correction-forward	552359
original	326
addended-article	413
addendum	167
correction	19706
companion	19874
companion-forward	1205
update-to-article	50
addended-article-forward	128
corrected-article	78596
addendum-article	11
CORRECTIONS	751431

retracted-article	7420
retraction-forward	7350
withdrawn-article	37
retraction	12
retraction-article	3
RETRACTIONS	14822

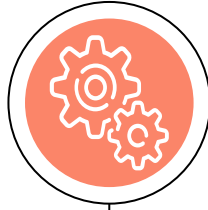
object-of-concern	582
object-of-concern-forward	551
concerning-article	167
concerning-article-forward	102
expression-of-concern-article	52
expression-of-concern	492
EXPRESSIONS OF CONCERN	1946

Results



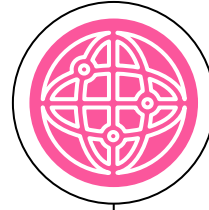
XML Mapping File

Loaded to the database and referenced by java program and web interface



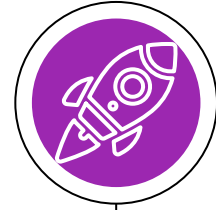
Java Program

A program to insert `<related-article>` elements into XML records that is run every three months



SP Website

Alterations to the code of the SP website to display the link and descriptive text based on the mapping file



Future Plans

Many plans for the future...

Next Steps/Future Opportunities

Search Filters



Adjust the search interface to allow for the inclusion or exclusion of retracted/corrected articles.

Expansion



Expand the XML mapping file to include other types of article relationships such as peer review.

Non DOI PIDs

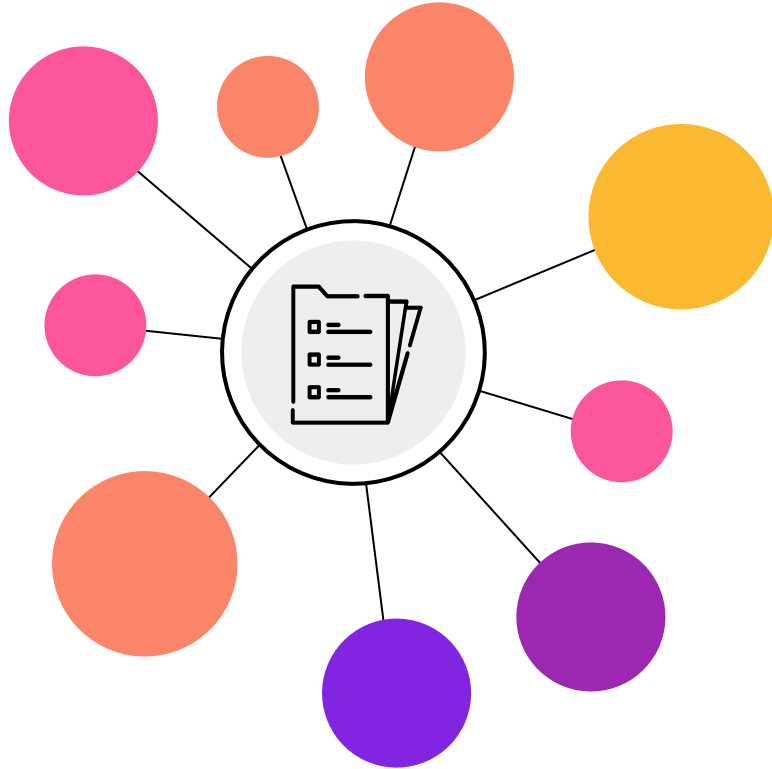


Expand the Java program to be able to recognize and utilize publisher specific PIDs for cases that do not include DOI

Web Interface



Improved clarity in web interface could involve new design for links and addition of definitions.



Thank You!

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