

Enhancing your library's Bento Box Interface with BrowZine APIs

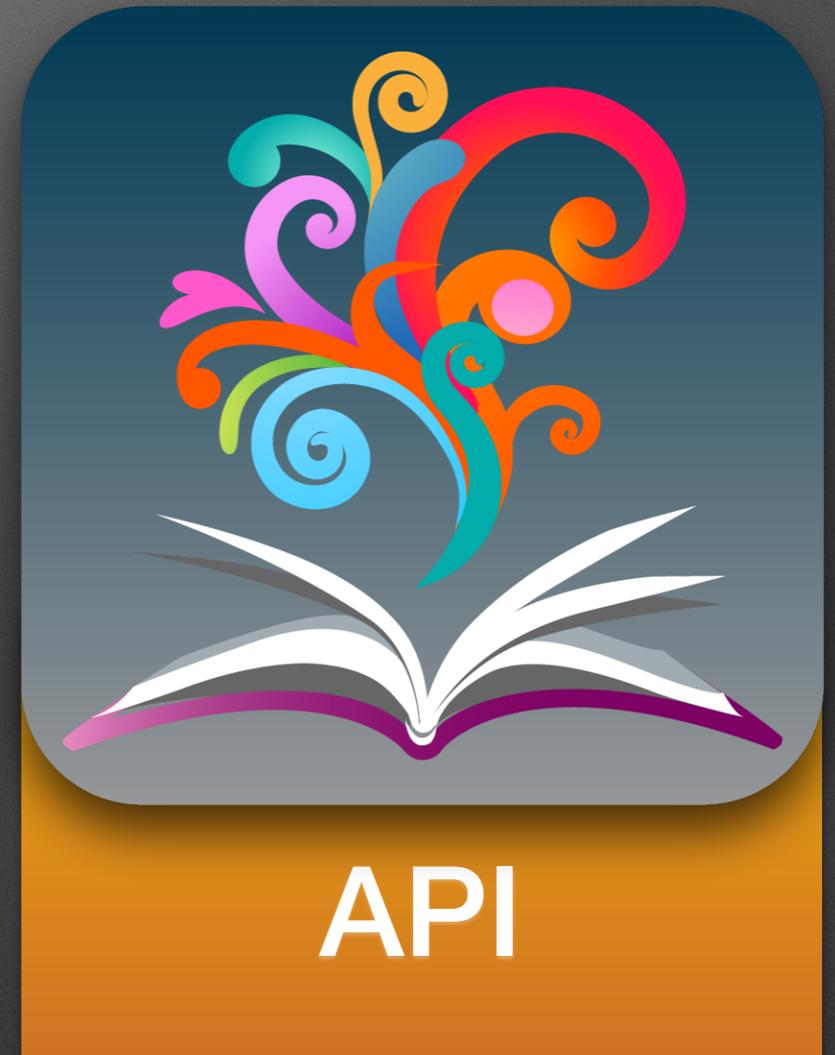
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About Me!

- **MLS University of Illinois, Champaign-Urbana**
- **Electronic Resources/Technology Services Librarian, Missouri University of Science and Technology**
- **ProQuest Higher Education Account Executive**
- **President & Co-Founder of Third Iron Library Technologies, co-designer of BrowZine**

Agenda

- Why build APIs for BrowZine?
- What is an API?
- Bento? Why Bento?
- API Interactions Overview and Use Case Examples
- The Technical Bits
- Getting Started!





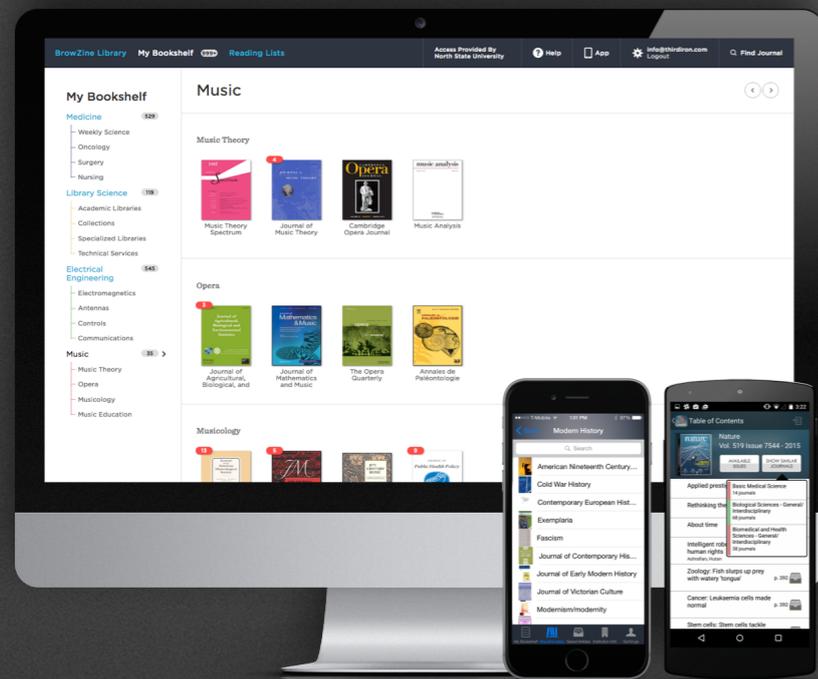
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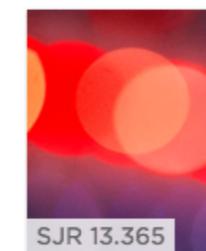
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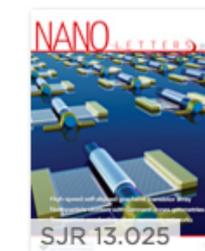
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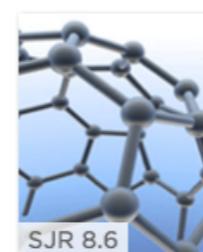
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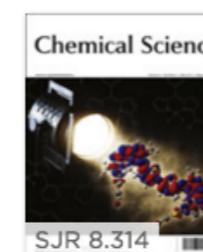
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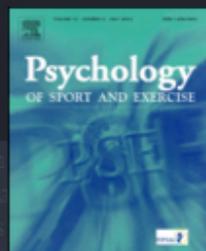
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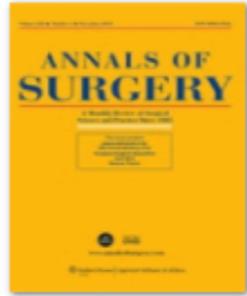
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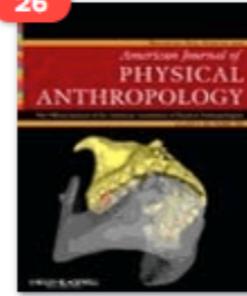


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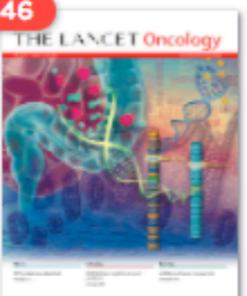
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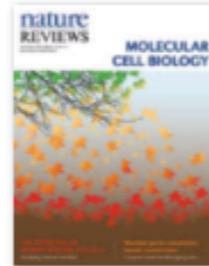
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Location: Sackler 510

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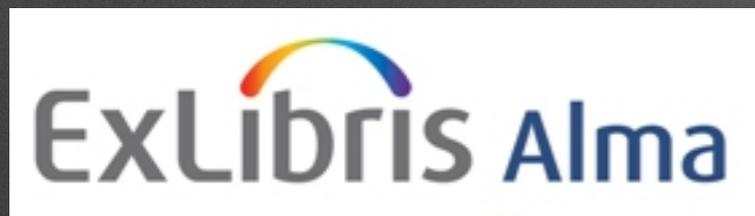
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“Is this Journal in BrowZine? Here is the ISSN and the Library ID #!”

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issns=00280836,00107174
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  "data": [  
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    },  
    {  
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      "title": "Consumer Reports",  
      "issn": "00107174",  
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      "browzineEnabled": false,  
      "externalLink": "http://knownitem.search.edu/?jtitle=Consumer%3Reports&jissn=3940-182X"  
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```

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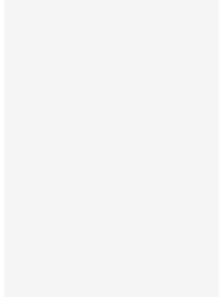
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Journal of Ecology

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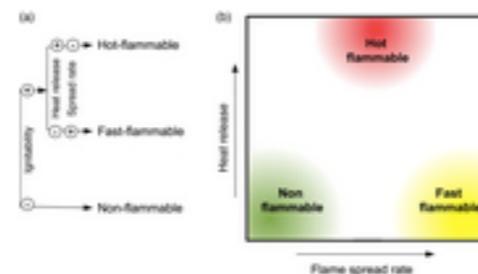
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Flammability as an ecological and evolutionary driver (pages 289–297)

Juli G. Pausas, Jon E. Keeley and Dylan W. Schwilk

Version of Record online: 21 NOV 2016 | DOI: 10.1111/1365-2745.12691



We live on a flammable planet yet there is little consensus on the origin and evolution of flammability in our flora. Here we provide a novel framework to better understand variability in flammability across scales. We propose that flammability has three dimensions that shape three flammability strategies: the hot-flammable, the fast-

flammable and the non-flammable.

[Abstract](#) | [Article](#) | [PDF\(1788K\)](#) | [References](#) | [Request Permissions](#)

Towards a thesaurus of plant characteristics: an ecological contribution (pages 298–309)

Eric Garnier, Ulrike Stahl, Marie-Angélique Laporte, Jens Kattge, Isabelle Mougenot

BrowZine Search Results API

- Request: The free text query from the user and the BrowZine Library ID
- Response: A JSON payload containing:
 - An array of matching journal titles just as if the search was conducted DIRECTLY in BrowZine
 - Path to the journal (including externally linked titles)
 - Cover image paths for each journal
 - Each journal's SJR value
 - Resulting subject matches for the query
 - Indication if the title is within BrowZine or linked externally



Search Results API Example

Best Bet

Article American Indian Grand Families: A Qualitative Study Conducted with Grandmothers and Grandfathers Who Provide Sole Care for Their Grandchildren

Article Journal of Applied Ecology

Articles

Journal of Ecology News

Authors: Gibson, David J
Journal: Journal of Ecology
Published: 1/1/2015

Journal of Ecology News

Authors: Gibson, David J
Journal: Journal of Ecology
Published: 1/1/2014

Journal of Ecology News

Authors: Gibson, David J
Journal: Journal of Ecology
Published: 1/1/2013

View More Results (1,150,926)

Books and Media

Australian journal of ecology

Type: E-JOURNAL

Polish journal of ecology

Type: E-JOURNAL

Journal of ecology

Type: E-JOURNAL

View More Results (251)

Journals

Australian journal of ecology [electronic resource].

Polish journal of ecology [electronic resource].



Journal of Ecology

View More Results (234)

Wayne.edu Search

Publications - Dr. Christopher Steiner, Biological Sciences - College ...

clas.wayne.edu

Journal of Plankton Research 37(2): 409-416. (pdf file) ... Ecology 95: 2603- 2612 (pdf file). Vasseur, D. A. ... Journal of Animal Ecology 75: 1014-1023. (pdf file).

Curriculum Vitae - Christopher F

bio.wayne.edu

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2017
Vol. 105 Issue 1

Dispersal processes driving plant movement: challenges for understanding and predicting range shifts in a changing world
pp. 1-5 - Garcia, Cristina; Klein, Etienne K.; Jordano, Pedro

A synthesis of empirical plant dispersal kernels
pp. 6-19 - Bullock, James M.; Mallada González, Laura; Tamme, Riin; Götzenberger, Lars...

Trait-associated loss of frugivores in fragmented forest does not affect seed removal rates
pp. 20-28 - Farwig, Nina; Schabo, Dana G.; Albrecht, Jörg

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pp. 29-38 - Klein, Etienne K.; Lagache-Navarro, Léilia; Petit, Rémy J.

Temporal change and determinants of maternal reproductive success in an expanding oak forest stand
pp. 39-48 - Gerzabek, Gabriel; Oddou-Muratorio, Sylvie; Hampe, Arndt

Estimating contemporary migration rates: effect and joint inference of inbreeding, null alleles and mistyping
pp. 49-62 - Robledo-Arnuncio, Juan J.; Gaggiotti, Oscar E.

Research Guides

Biological Sciences

This Guide will assist Biological Sciences faculty and students in their research and learning.

Digital Collections

Additional Example

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Journal of Ecology SJR: 4.01 ADD TO MY BOOKSHELF

NEW ARTICLES Articles in Press

JOURNAL ISSUES 2017 CHANGE YEAR Vol. 105 Issue 1

BROWSE RELATED SUBJECTS Ecology Plant Ecology, Evolution, and Systematics

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Journals

Refine your search

50 results for *ecology*

Ecology
Search this Browse this

Journal Of Ecology
Search this Browse this

Journal Of Applied Ecology
Search this Browse this

Plos One
Search this

Molecular Ecology
Search this Browse this

Journal Of Animal Ecology

Journal Of Animal Ecology

Explore More Results

Video

Ecology : understanding biodiversity.

Available at Smith

2014 Streaming Video

Native Ecology [electronic resource] : Gregory Cajete / Paper tiger televis...

Not Available at Smith

Ecology / [edito

Not Owned by

0 of 1 available

2008 Book

Jr., 1948-

Ecology / Micha

Owned by Smi

0 of 1 available

2008 Book

Jr., 1948-

Ecology : from i ecosystems / Mi Townsend...

BrowZine Availability API

- Request: ISSN of Journal and BrowZine Library ID
- Response: If a match, a JSON payload containing:
 - Title of the journal
 - Path to the current issue of the journal
 - Path to the journal cover image
 - SJR value (SciMago Journal Rank)
 - Name and links to all subject categories assigned to that journal in BrowZine



Browse Table of Contents

The image shows a library website interface with search results for 'Journal of Ecology'. A blue arrow points from the search results to a detailed view of the journal's table of contents for 2017, Vol. 105 Issue 1.

Northwestern LIBRARIES

Search: journal of ecology

Results 1 - 10 of 314,875 for Library resources

- Journal of ecology**
Cambridge : Cambridge University Press, 1913-
● Online access
Journal | View It | Details | Browse Table of Contents
- The Journal of ecology. Edited for the British ecologists**
Cambridge, The University press., 1913
● Available at Oak Grove Library Center Oak Grove Library Center--Request Online (581.05 J853)
Journal | Get It | Details | Virtual Browse
- Journal of Ecology News**
Hutchings, Michael J. ; Baier, Andrea ; Gibson, David J. ; Bardgett, Richard D. ; Rees, Mark ; Roake, Nickie
The Journal of Ecology, Jan, 2011, Vol.99(1), p.1(2) [Peer Reviewed Journal]
● Full text available
Article | View all versions
View It | Details | Recommendations
- Journal of Ecology News**
Hutchings, Michael J. ; Baier, Andrea ; Gibson, David J. ; Bardgett, Richard D. ; Clegg, Gerwyn
Journal of Ecology, March 2010, Vol.98(2), pp.247-249 [Peer Reviewed Journal]
● Full text available
Article | View all versions
View It | Details | Recommendations
- African journal of ecology**
Oxford, England : Blackwell Science, 1979
● Online access

Journal of Ecology (SJR: 4.01)

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Browse from the A-Z List

The screenshot displays the Northwestern Libraries website interface. At the top, the 'LIBRARIES' logo is prominent. Below it, navigation links for 'New Search', 'All Databases', and 'e-Journals' are visible. A search bar contains the text 'journal of ecology', and a large blue arrow points from the search results list to the detailed view of the 'Journal of Ecology'.

Search Results:

- ☆ **Journal of ecology**
Cambridge : Cambridge University Press 1913-
View It Details Browse Tables of Contents
- ☆ **African journal of ecology**
Oxford, England : Blackwell Science 1979
View It Details Browse Tables of Contents
- ☆ **Russian journal of ecology.**
New York : Consultants Bureau 1993-
View It Details Browse Tables of Contents
- ☆ **Journal of Landscape Ecology : journal of Czech National Chapter of the Association for Landscape Ecology (CZ-IALE).**
Berlin : De Gruyter [2008-]
View It Details Browse Tables of Contents
- ☆ **Journal of Ecology & Environmental Sciences**
Navi Mumbai Bioinfo Publications
View It Details
- ☆ **International Journal of Ecology & Development**
Roorkee Indian Society for Development & Environment Research
View It Details

Journal of Ecology Details:

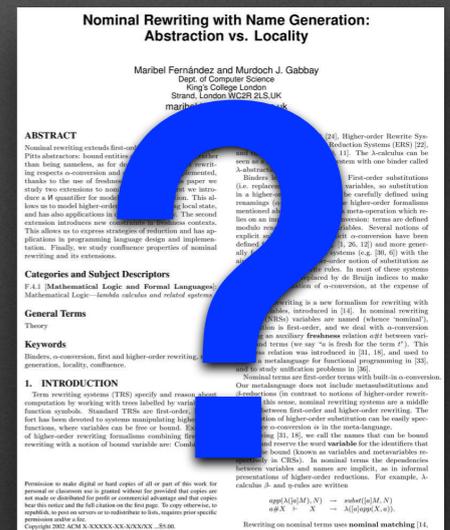
- Journal of Ecology** (SJR: 4.01)
- NEW ARTICLES**
Articles in Press
- JOURNAL ISSUES**
2017 CHANGE YEAR
Vol. 105 Issue 1
- BROWSE RELATED SUBJECTS**
Ecology
Plant Ecology, Evolution, and Systematics

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Article in Context API

- Request: The DOI of an article and the BrowZine Library ID
- Response: If a match, a JSON payload containing:
 - Name of the journal
 - Path to the cover image
 - Path to the specific issue that the article is in including specific syntax which will result in the article in question being highlighted for the user



View Article in Context

The image shows a library website interface with a search bar and a list of search results. A blue arrow points from the search results to a detailed article page.

Northwestern LIBRARIES

Search:

Results 1 - 50 of 690 for **electrospun dextran**

Format: Articles (666), Newspaper Articles (8), Books (7), Reviews (4), Reference Entries (1)

Subject: Tissue Engineering (237), Electrospinning (117), Scaffolds (102)

Biomedical Materials (SJR: 0.936)

JOURNAL ISSUES: 2011, Vol. 6 Issue 6, Vol. 6 Issue 5, Vol. 6 Issue 4, Vol. 6 Issue 3, Vol. 6 Issue 2, Vol. 6 Issue 1

Article 1: Patent issued for obesity, fitness, electrospun dextran... related scaffolds. Full text available.

Article 2: Electrospun acetalated dextran scaffolds for temporal release of therapeutic agents. Full text available.

Article 3: A fibroblast/macrophage co-culture model to evaluate the biocompatibility of an electrospun dextran/plga scaffold and its potential to induce inflammatory responses. Full text available.

Article 4: Selective biological response of human pulmonary microvascular endothelial cells and human pulmonary artery smooth muscle cells on cold-plasma-modified polyester vascular prostheses. Full text available.

Article 5: Effect of air abrasion and dye on the surface element ratio and resin bond of zirconia ceramic. Full text available.

Article 6: Novel mechanically competent polysaccharide scaffolds for bone tissue engineering. Full text available.

Article 7: PLA-based biodegradable and tunable soft elastomers for biomedical applications. Full text available.

Article 8: Additive concentration effects on dicalcium phosphate dihydrate cements prepared using monocalcium phosphate monohydrate and...

Journal Article Page: 2011, Vol. 6 Issue 6. Cell expansion of human articular chondrocytes on macroporous gelatine scaffolds—impact of microcarrier selection on cell proliferation. p. 065001 - Pettersson, Sofia; Wetterö, Jonas; Tengvall, Pentti; Kratz, Gunnar.

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Getting Started!

- The BrowZine Availability API and the BrowZine Search API are available today! The BrowZine In Context API is coming soon.
- Contact support@thirdiron.com to receive your API Token!
- You will receive an email response with the API documentation as well as information about how to access your token.

Questions?

