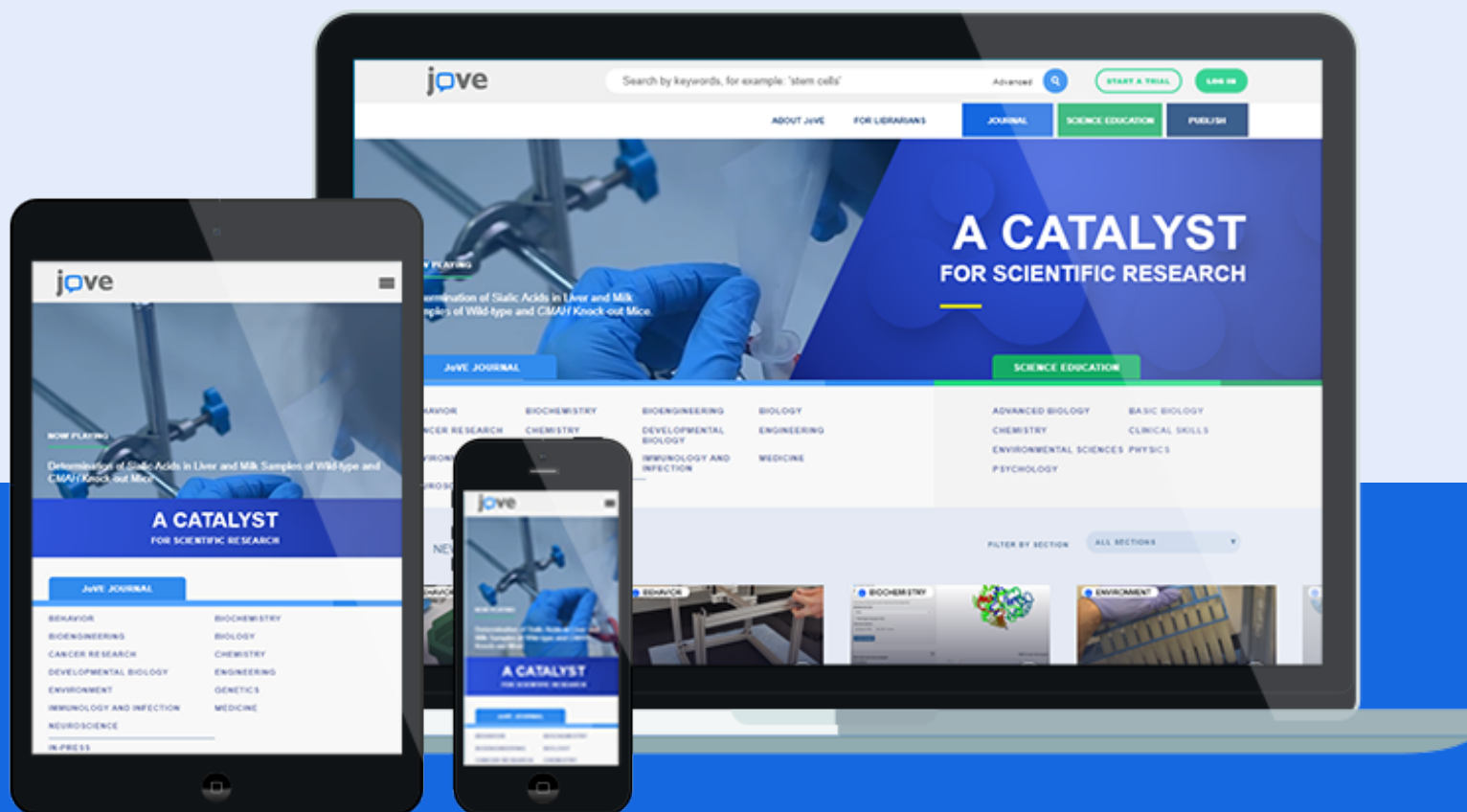




JoVE VIDEO JOURNAL USER GUIDE

Edited August 2017



ABOUT JoVE VIDEO JOURNAL

JoVE Video Journal is the first peer-reviewed scientific journal combining high-quality video demonstrations with detailed text protocols. Researchers around the world rely on the Video Journal to increase scientific productivity and reproducibility.

JoVE publishes across a wide scope of scientific subjects and is currently offering 13 journal sections:

- | | |
|--------------------------------|-------------------------------------|
| • BEHAVIOR | • ENGINEERING |
| • BIOCHEMISTRY | • ENVIRONMENT |
| • BIOENGINEERING | • GENETICS |
| • BIOLOGY | • IMMUNOLOGY & INFECTION |
| • CANCER RESEARCH | • MEDICINE |
| • CHEMISTRY | • NEUROSCIENCE |
| • DEVELOPMENTAL BIOLOGY | |

VIDEO JOURNAL FACTS

Over **7,000** ✓
published articles

100+ new articles ✓
published monthly

Widely searchable on ✓
scientific indexes (i.e.,
PubMed, Scopus,
Web of Science)

16,000+ authors from ✓
world-leading labs

QUICK SEARCH & BROWSE

1 QUICK SEARCH

Search by keyword in the main search bar for direct access to the latest scientific research.

1b ADVANCED SEARCH

Refine your keyword search and/or add author, institution, date, or sections filters by clicking on 'Advanced' in the search bar.

2 VIDEO JOURNAL ACCESS

See which Video Journal sections you have access to while in your institution's IP range, or when logged in to your account.

3 SCIENCE EDUCATION ACCESS

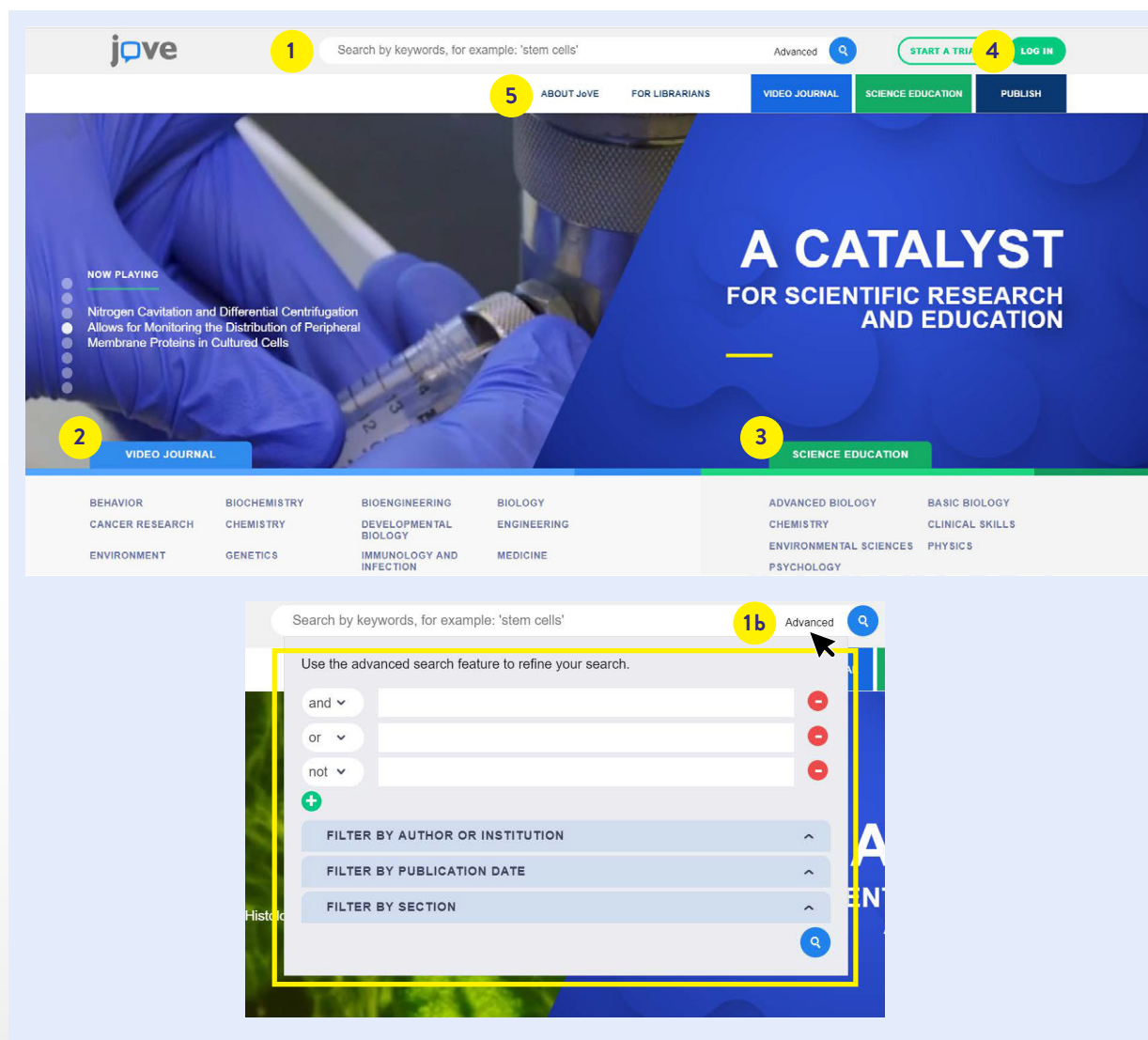
See which Science Education series you have access to while in your institution's IP range, or when logged in to your account.

4 ACCOUNT LOGIN

Log in to your account using your institutional email address and access additional features.

5 NAVIGATION BAR

Browse our site for additional information on JoVE - such as instructions on submitting your manuscript and guides on how best to use JoVE.



SEARCHING TIPS

SEARCH QUERIES ON JoVE.COM

Here are some tips on optimizing search results:

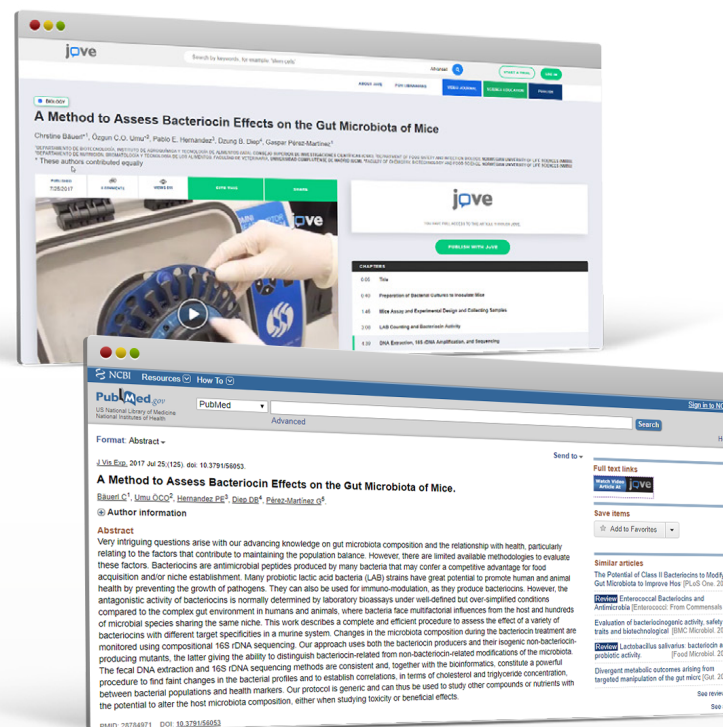
- The best way to search is to use the main search bar to get a broad range of articles then use the advanced search and additional filters on the search page to hone in on what you are looking for.
- Searches done through the main search field cannot contain any special characters. These will be stripped in results.
- The advanced search allows you to string terms together with the connectors "and", "not", and "or".
- Use quotes in the advanced search fields to include or exclude exact phrases.
- Searches are automatically truncated after 320 characters.

SCIENTIFIC INDEXES

JoVE articles are indexed in PubMed/Medline, Web of Science, ChemAbstracts, SciFinder, and Scopus to name a few. Searching for 'JoVE', 'MyJoVE', 'JoVE[jour]', or 'Journal of Visualized Experiments' on any online resources should bring up our content.

PUBMED

Searching for 'JoVE[jour]' will bring back our articles on PubMed. However, there are PMC links on all video articles on JoVE that will send your users to the PubMed listing more directly.



USING YOUR SEARCH RESULTS

1 TOTAL SEARCH RESULTS

Displays the number of search results.

2 SEARCH QUERY

Displays the search query for the current view.

3 REFINE YOUR SEARCH

Use the filters on the left column to refine your search by keyword logic, author, institution, publish date, and/or journal section.

4 SEARCH RESULTS

Search results are always displayed by order of relevance.

5 DISPLAY ARTICLE CONTENT

Click the article title to go to the article page.

6 SECTION

Displays the section the article is hosted in.

The screenshot shows the JoVE website search results for the query 'stem cells'. The page layout includes a top navigation bar with the JoVE logo, a search bar containing 'stem cells', and links for 'START A TRIAL' and 'LOG IN'. Below the navigation bar are links for 'ABOUT JoVE', 'FOR LIBRARIANS', 'VIDEO JOURNAL', 'SCIENCE EDUCATION', and 'PUBLISH'. The main content area displays '5258 Video Articles' for the search query. A 'REFINE YOUR SEARCH' sidebar on the left offers filters for 'CONTAINING TEXT', 'FILTER BY AUTHOR OR INSTITUTION', 'FILTER BY PUBLICATION DATE', and 'FILTER BY SECTION'. The search results are listed in a grid. The first result is 'Stem Cells: Relatively undifferentiated cells that retain the ability to divide and proliferate throughout postnatal life to provide progenitor cells that can differentiate into specialized cells.' The second result is 'In Vitro Differentiation of Human Mesenchymal Stem Cells into Functional Cardiomyocyte-like Cells' by Peter Szaraz et al. The third result is 'High Efficiency Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes and Characterization by Flow Cytometry' by Subarna Bhattacharya et al. The page also features a 'DEVELOPMENTAL BIOLOGY' section and a 'BIOLOGY' tag.

JoVE

stem cells

START A TRIAL LOG IN

ABOUT JoVE FOR LIBRARIANS VIDEO JOURNAL SCIENCE EDUCATION PUBLISH

3 REFINE YOUR SEARCH:

1 5258 Video Articles

1 2 3 4 5 6 7 8 9 ... 528

2 x contains stem cells

CONTAINING TEXT

stem cells

and or not

FILTER BY AUTHOR OR INSTITUTION

FILTER BY PUBLICATION DATE

FILTER BY SECTION

4 Stem Cells: Relatively undifferentiated cells that retain the ability to divide and proliferate throughout postnatal life to provide progenitor cells that can differentiate into specialized cells.

5 In Vitro Differentiation of Human Mesenchymal Stem Cells into Functional Cardiomyocyte-like Cells

Peter Szaraz^{1,2}, Yarden S. Gratch¹, Farwah Iqbal^{1,2}, Clifford L. Librach^{1,2,3,4,5}

¹Create Fertility Centre, ²Department of Physiology, University of Toronto, ³Department of Obstetrics and Gynecology, University of Toronto, ⁴Department of Physiology, University of Toronto, ⁵Department of Obstetrics and Gynecology, Women's College Hospital

6 DEVELOPMENTAL BIOLOGY

High Efficiency Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes and Characterization by Flow Cytometry

Subarna Bhattacharya¹, Paul W. Burridge², Erin M. Kropp¹, Sandra L. Chuppa¹, Wai-Meng Kwok³, Joseph C. Wu², Kenneth R. Boheler^{4,5}, Rebekah L. Gundry^{1,6}

¹Department of Biochemistry, Medical College of Wisconsin, ²Stanford Cardiovascular Institute, Stanford University School of Medicine, ³Department of Anesthesiology, Medical College of Wisconsin, ⁴Stem Cell and Regenerative Medicine Consortium, LKS Faculty of Medicine, Hong Kong University, ⁵Division of Cardiology, Johns Hopkins University School of Medicine, ⁶Cardiovascular Research Center, Biotechnology and Bioengineering Center, Medical College of Wisconsin

BIOLOGY

IN-PRESS ARTICLES

JoVE In-Press contains the abstracts of articles that passed peer-review and have been accepted for publication in JoVE. These articles are currently going through the JoVE video production pipeline and will be published once the production is complete.

1 ACCESSING IN-PRESS

On the search page, you can filter the results to In-Press only by selecting In-Press as a section. However, In-Press articles will show up in your search results if they are relevant to your query.

2 SEARCH RESULTS

Click on the title of an article to read the full abstract

3 NOTIFICATIONS

If you are interested in a specific article, sign up for an email notification. You will be alerted as soon as the article is published.

The screenshot displays the JoVE In-Press interface. At the top, the JoVE logo and navigation links (ABOUT JOVE, FOR LIBRARIANS, VIDEO JOURNAL, SCIENCE EDUCATION, PUBLISH) are visible. A search bar prompts users to search by keywords. Below the header, a banner explains that JoVE In-Press contains abstracts of peer-reviewed articles currently in production. The main section shows search results for '418 Video Articles', with a filter sidebar on the left. The sidebar includes options like 'CONTAINING TEXT', 'FILTER BY AUTHOR OR INSTITUTION', 'FILTER BY PUBLICATION DATE', and 'FILTER BY SECTION'. The 'FILTER BY SECTION' dropdown is open, showing a list of categories with 'In-Press' selected. The search results list two articles. The first article, 'Shifting Zebrafish Lethal Skeletal Mutant Penetrance by Progeny Testing' by Elliott P. Brooks¹ and James T. Nichols¹, is highlighted with a yellow circle '2'. Below the article list, a detailed view of the first article is shown. It includes the title, authors, affiliation, and a status box indicating the article has been accepted and is currently in production. A yellow circle '1' points to the 'In-Press' filter in the sidebar. A yellow circle '3' points to an email notification sign-up box on the right, which includes a text input for an email address and buttons for 'Send me an alert' and 'PUBLISH WITH JOVE'. The abstract text for the first article is also visible.

JoVE ARTICLE PAGE - VIDEO

1 SECTION

Quickly see which JoVE Video Journal section the article is published in.

2 ARTICLE INFORMATION

Article title, authors, and affiliated institutions.

3 COMMENTS

Click to read all comments on this article.

4 VIEWERSHIP

Click to see the number of views by country, institution, and search engine.

5 CITE THIS

Copying a citation automatically adds it to a citations list available in your user account.

6 SHARE

Easily post this article on social media: Twitter, Facebook, or LinkedIn.

7 ACCESS TYPE

Check whether your access to a specific article is provided by your institution or if it is open access.

8 VIDEO CHAPTERS

Jump to a specific place in the video by clicking on the corresponding chapter.

The screenshot shows the JoVE website interface for an article titled "Shifting Zebrafish Lethal Skeletal Mutant Penetrance by Progeny Testing". The page layout includes a header with the JoVE logo, a search bar, and navigation links. The article details section includes the title, authors (Elliott P. Brooks¹, James T. Nichols¹), and affiliation (DEPARTMENT OF CRANIOFACIAL BIOLOGY, UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS). Below this is a video player with a play button. To the right of the video player is a table of contents for the video chapters. At the bottom of the article details are buttons for downloading the PDF and adding to favorites. The numbered callouts point to the following elements: 1. Developmental Biology section tab; 2. Article title and authors; 3. Comments button; 4. Views button; 5. Cite This button; 6. Share button; 7. Access type message; 8. Video chapters list; 9. Download PDF button; 10. Add to Favorites button.

1 DEVELOPMENTAL BIOLOGY

2 **Shifting Zebrafish Lethal Skeletal Mutant Penetrance by Progeny Testing**

Elliott P. Brooks¹, James T. Nichols¹

¹DEPARTMENT OF CRANIOFACIAL BIOLOGY, UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS

3 PUBLISHED Not Published 4 8 COMMENTS 5 VIEWS 42 6 CITE THIS 7 SHARE

7 YOU HAVE FULL ACCESS TO THIS ARTICLE THROUGH JOVE. PUBLISH WITH JOVE

8 CHAPTERS

0:06	Title
1:05	KASP Genotyping
3:18	Pairwise Cross Sibling Heterozygous and Embryo Rearing
4:13	Alcian Blue/Alizarin Red Cartilage and Bone Staining
5:42	Phenotype Scoring and Family Selection
6:49	Results: Selective Breeding for Skeletal Penetrance in Zebrafish
7:58	Conclusion

9 10

ISSUE 127 : DOI: 10.3791/56201 DOWNLOAD PDF ADD TO FAVORITES

9 DOWNLOAD PDF

Download the text article to your device.

10 ADD TO FAVORITES

Create a playlist of your favorite Video Articles. Access your playlist from your user account.

JoVE ARTICLE PAGE - TEXT

1 NAVIGATE

Use the sticky navigation bar to navigate to the different sections of the article:

- Abstract
- Protocol
- Discussion
- Disclosures
- Materials
- References

2 DOWNLOADS

Files available for download include:

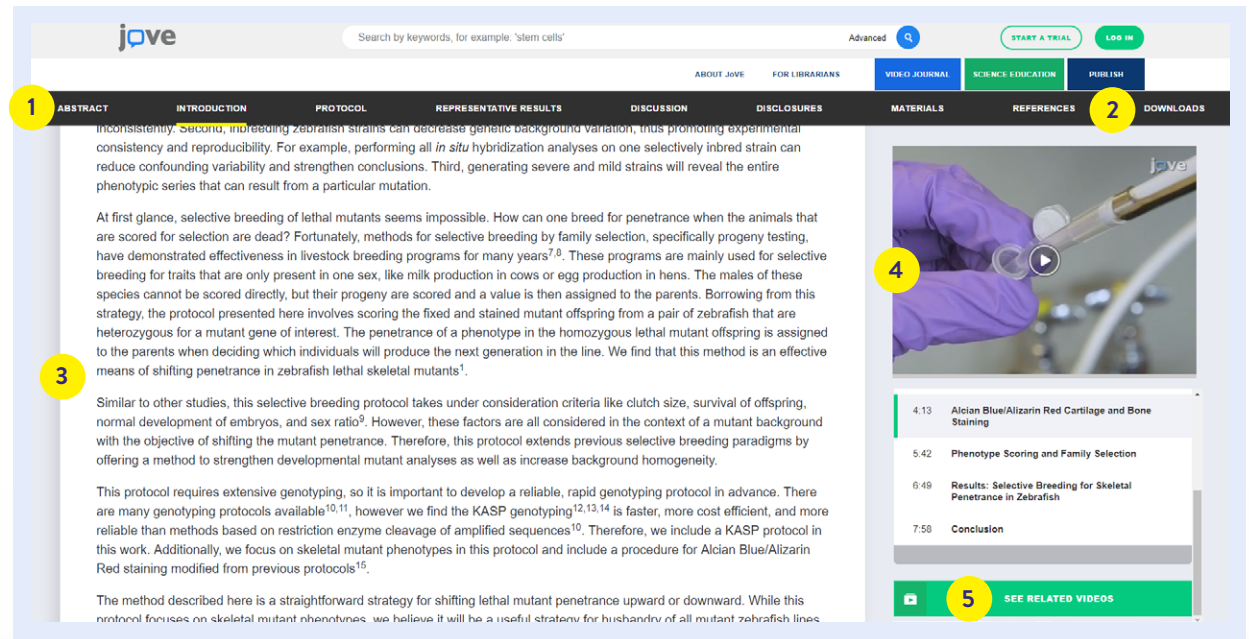
- Text Article (PDF)
- Materials List (PDF)
- Supplemental Materials
- Article Meta-Description (XML file)
- File for Reference Management Software (EndNote, RefWorks, Reference Manager, Procite)
- Video File (Authors only)

3 LEFT-SIDE PANEL

As you scroll down the article, the different sections of the text article will appear on this left-side panel.

4 RIGHT-SIDE PANEL

The small video player is always visible and allows you to follow the action as you read the protocol.



5 RELATED VIDEOS

Expand your research by watching related video articles.

USER ACCOUNT & FEATURES

Users can create an account with their institutional emails in order to have access off campus. They will also have access to the following features:

1 USER ACCOUNT DASHBOARD

2 VIEW WATCH HISTORY

Find a previously watched article easily with this watch history feature.

3 FAVORITE ARTICLES

Access your favorite video articles playlist here. To add a video, simply click the 'add to favorite' button under the video player on the article page.

4 CITATIONS LISTING

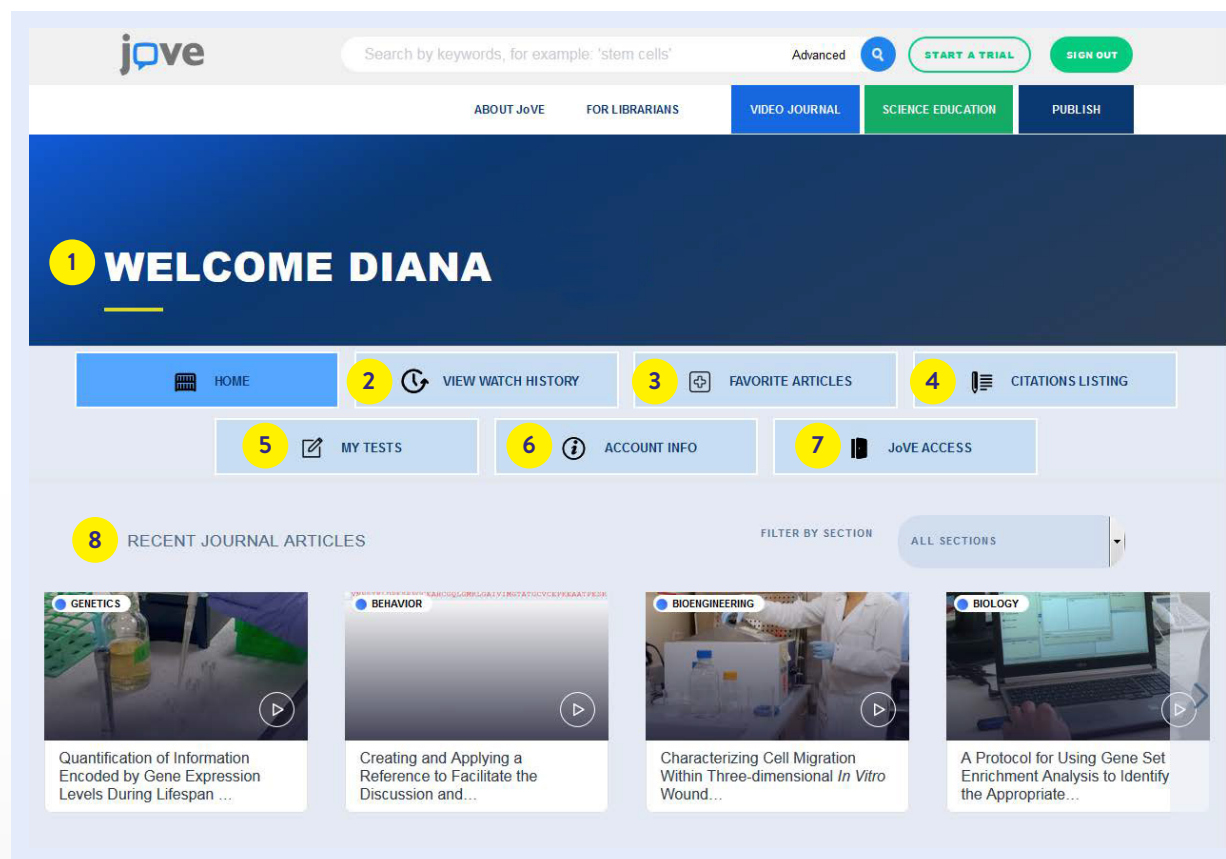
Access the list of all the video articles you have cited. To add an article, simply click the 'Cite This' button at the top of the video player on an article page.

5 MY TESTS

Faculty using Science Education in their classrooms or labs can manage their customized tests from here.

6 ACCOUNT INFO

Manage your account settings.



7 JoVE ACCESS

Check what access you have to JoVE through your institution.

8 RECENT JOURNAL ARTICLES

The latest published articles will be visible here. You can filter them by section.

AUTHOR ACCOUNT & FEATURES

JoVE Authors can create an account with their institutional email. In addition to all user account features, authors will be able to check on their published and In-Press articles.

1 MY RECENTLY PUBLISHED ARTICLES

Your published articles will all be listed here. Click on a video to go to the article page from which you can download the video file and/or view the article statistics.

2 MY ARTICLES

Click here to check on the progress of your accepted manuscript.

3 ACCEPTED MANUSCRIPT(S)

Here will be listed the different manuscripts that have been accepted.

4 ARTICLE PROGRESS

Quickly check at which stage your article is currently in (last stage in dark blue). See the definition of each stage below.

The screenshot displays the JoVE Author Account interface for a user named Nic Riley. The top navigation bar includes the JoVE logo, a search bar, and links for 'ABOUT JOVE', 'FOR LIBRARIANS', 'VIDEO JOURNAL', 'SCIENCE EDUCATION', and 'PUBLISH'. A 'WELCOME NIC RILEY' banner is prominently displayed. Below this, a grid of buttons provides quick access to 'HOME', 'MY ARTICLES' (highlighted with a yellow circle 2), 'VIEW WATCH HISTORY', 'MY TESTS', 'FAVORITE ARTICLES', 'CITATIONS LISTING', 'ACCOUNT INFO', and 'JOVE ACCESS'. The 'RECENT JOURNAL ARTICLES' section features a carousel of video thumbnails with titles such as 'How to Get My Mice to Sing and Analyze the Vocalizations' and 'Stimulation of Notch Signaling in Mouse Osteoclast Precursors'. The 'YOUR RECENTLY PUBLISHED ARTICLES' section (highlighted with a yellow circle 1) shows a video thumbnail for 'Agarose Gel Electrophoresis for the Separation of DNA Fragments' by Pei Yun Lee et al. Below this, a progress bar for 'YOUR UPCOMING ARTICLES IN JoVE' (highlighted with a yellow circle 3) shows the stages from '1. Manuscript Submitted' to '7. Publication', with the current stage '3. Peer Review' highlighted in dark blue. A yellow circle 4 points to the '1. Manuscript Submitted' stage.

JOVE IN THE LAB

JoVE in the Lab is a resource for JoVE Video Journal users. This page is new and will be updated often with new resources.

1 ACCESSING JoVE IN THE LAB

Click on the Video Journal tab on the main navigation and then click on the JoVE in the lab button.

2 DIFFERENT WAYS TO USE JoVE

See the various ways labs are taking advantage of JoVE to increase productivity.

3 JoVE VISUALIZE

Find video protocols related to scientific articles indexed in PubMed.

4 LAB INDEX

Encyclopedia of scientific research laboratories.

The screenshot displays the JoVE website interface. At the top, the JoVE logo is on the left, and a search bar with the placeholder text 'Search by keywords, for example: "stem cells"' is on the right. Below the search bar is a navigation menu with tabs: 'ABOUT JOVE', 'FOR LIBRARIANS', 'VIDEO JOURNAL', 'SCIENCE EDUCATION', and 'PUBLISH'. The 'VIDEO JOURNAL' tab is currently selected. Below the navigation menu is a large banner with the text 'JOVE IN THE LABORATORY'. To the right of the banner, there is a section titled '2 DIFFERENT WAYS TO USE JoVE' with a subtext: 'There are multiple ways to use JoVE in your laboratory to increase productivity, work more efficiently and retain institutional knowledge. As JoVE expands into new topics, we will add additional resources to this page.' Below this, there is a grid of four cards. The first card is titled '1 ACCESSING JoVE IN THE LAB' and shows a button labeled 'JOVE IN THE LAB'. The second card is titled '2 DIFFERENT WAYS TO USE JoVE' and shows a button labeled 'DIFFERENT WAYS TO USE JoVE'. The third card is titled '3 JoVE VISUALIZE' and shows a button labeled 'JoVE VISUALIZE'. The fourth card is titled '4 LAB INDEX' and shows a button labeled 'LAB INDEX'. To the right of the grid, there is a section titled 'Authors:' with three sub-sections: 'Disseminate Findings and Techniques', 'Improve Your Archive and Documentation', and 'Support Grant Applications'. Each sub-section contains a brief description of the service and a button labeled 'Learn More'. Below the 'Authors:' section is a section titled 'Resources in Development' with two sub-sections: 'JoVE Visualize is a tool that matches the last five years of PubMed publications to methods in JoVE's video library.' and 'The Lab Index ranks researchers and their labs on their impact in their specific scientific fields.' Each sub-section contains a button labeled 'Learn More'.

Thinking of submitting to JoVE?

Learn about our publishing process online:

→ [JoVE.com/publish](https://www.jove.com/publish)

Having technical difficulties?

Fill out our Technical Support form online:

→ [JoVE.com/about/contact](https://www.jove.com/about/contact)

Want to be updated on the latest science published in JoVE?

Sign-up for our scientist newsletter from the homepage footer:

→ [JoVE.com](https://www.jove.com)

For more information please visit [JoVE.com](https://www.jove.com)