



Instructions for Authors

Enriching your article is simple, just follow the manuscript submission process. In some cases we've built easy-to-use tools to help you bring your research to life. Most data visualization tools rely on data files which you upload with your paper. These are listed below, for others please check out the website.

Enrich your article

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Article Enrichments	File type
3D for Radiological Data	DICOM, DICM, CDRZIP, DCM, IMA (Make sure to anonymize your data)
Interactive 3D models	U3D, PLY, OBJ, STL, VTK, STL, JPG, TIF, BMP, MTL
3D Viewer for Molecular Models and Crystallographic Data	PDB, PSE, MOL, MOL2, CIF
3D Neuroimaging	HDR, IMG, NII
Interactive Phylogenetic Trees	NEX, NWK, NEW
R	R (packed into a ZIP file with any supporting data files)
Cytoscape Interactive Networks	JSON, CYJS (packed into a single ZIP file)
Reaxys Chemical Compound	MOL
Interactive Map	KML, KMZ
Interactive MATLAB Figure	FIG
Interactive Plot	CSV
Virtual Microscope	JPG, PNG, GIF, TIFF, NDPI, LIF, SCN, ND2, OIF, ETS, VSI or SVS

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Interactive Data Visualizations

Interactive Data Visualizations:

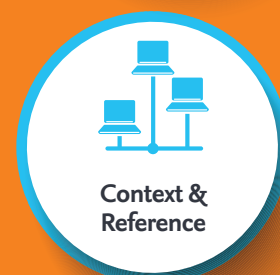
Share insights with your readers using 3D viewers and interactive visualizations.



Article Presentation & Media

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Context & References:

Provide your readers with easy access to reference information and data while reading your article.

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Interactive Data Visualizations

3D Visualizations

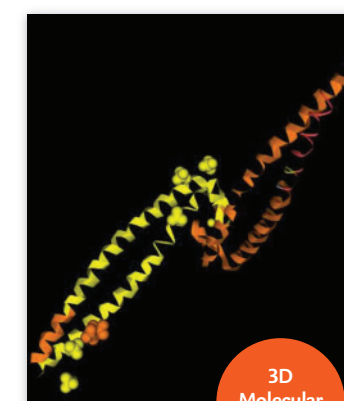
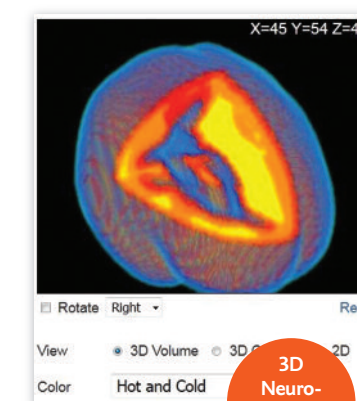
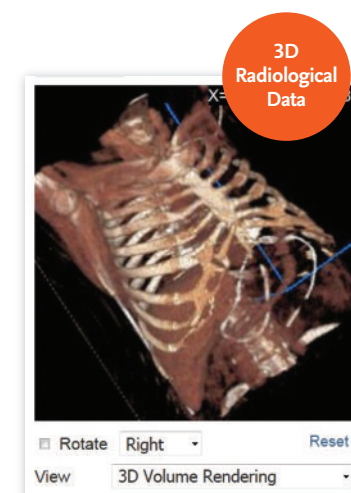
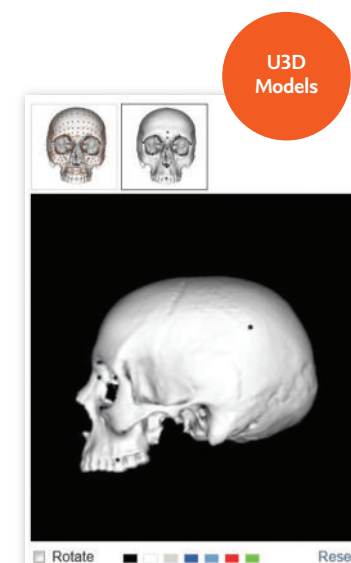
When you publish your online article at Elsevier, you are no longer confined to static visuals. Explore our set of 3D viewers and interactive visualizations that will help you share your research data and outcomes with your readers. The 3D Viewers include functionalities such as zoom, pan, rotate, full screen mode, change display mode and many more to help your readers explore and understand your work.

3D Viewer for Radiological Data – This viewer displays radiological data - magnetic resonance imaging, ultrasound, computerized tomography and more - in an interactive 3D format next to the article.

3D Viewer for Neuroimaging Data – Let readers delve into neuroimaging data that supplements the article with this interactive viewer. It creates deeper insight into the research and, when relevant, readers can download the original data files.

3D Viewer for Molecular Models and Crystallographic Data – Create interactive 3D molecular models and crystallographic data related to molecules in the research.

Interactive 3D Models – You can create interactive 3D models with your article, and make them available for download, allowing readers to inspect or re-use your data.

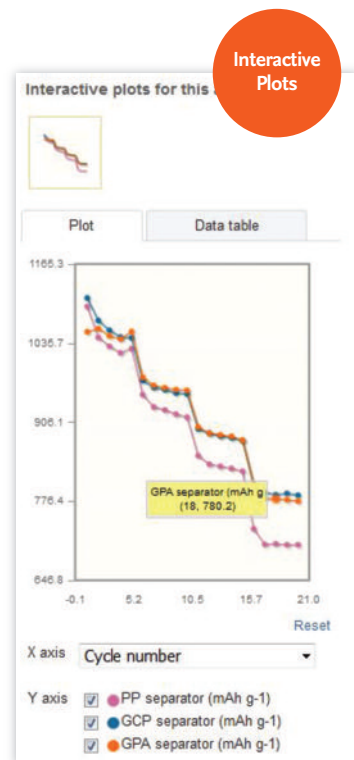


Find out more:

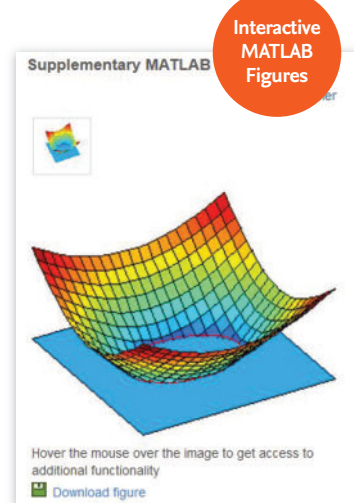
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Interactive Data Visualizations



Interactive Plots



Interactive MATLAB Figures

Interactive Visualizations

These interactive viewers include functionalities such as zoom, configurable display options, full screen mode, and many more to explore the data underlying your article in detail.

Interactive Networks – Powered by Cytoscape, this viewer visualizes complex networks relevant for your research directly within the online article.

Interactive MATLAB Figures – Allow your readers to explore MATLAB figures via an interactive viewer. Readers can download the original data files from this application.

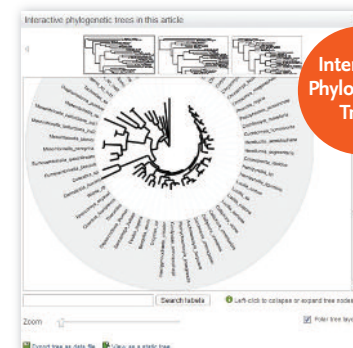
Interactive Phylogenetic Trees – Include interactive phylogenetic trees in your article. Readers can change the layout, search within the tree, view bootstrap values and export the data, to deepen their understanding of the information presented.

Interactive Plots – Show the plot and share the data: interactive plots provide easy access to the underlying data uploaded as a CSV file. Let readers switch between plot and table view, download data or hover over data points to see the values.

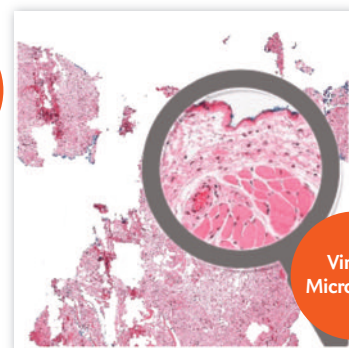
Interactive Maps – Let your readers explore annotated geospatial information on an interactive (Google) map. You can enable this by including a KML or KMZ file with your article submission.

Virtual Microscope – The award winning Virtual Microscope lets your readers explore relevant high resolution microscopic images that you submit with your article.

R Code – The viewer presents computer code in the “R” language, together with any relevant data files, for easy inspection next to the article on ScienceDirect.



Interactive Phylogenetic Trees



Virtual Microscope



Article Presentation & Multimedia

Get you and your research noticed!

More than one million academic journal articles are published every year so it's increasingly important for you to find ways to make your research stand out. While there's a lot publishers and editors can do to help, as the author you are often best placed to explain why your findings are important or novel. The enrichments featured in this brochure will help you present your work in a powerful and clear way to help your readers get the most out of your publication.

Article Presentation & Multimedia

Add another dimension to your article: use multimedia features to promote your work or help readers test their understanding.

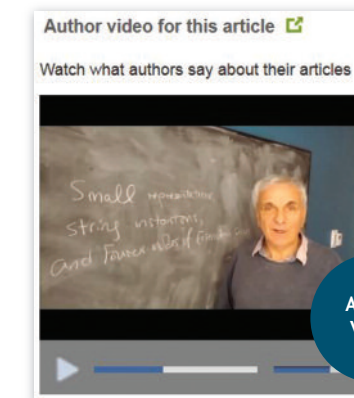
AudioSlides – AudioSlides are short, five-minute presentations in which you can explain your paper in your own words. Upload slides and record audio using our authoring tool to present your research story and share it online and using social media.

Featured Multimedia for this Article – Upload multimedia elements - such as video - with your article and we will place them together with your research on ScienceDirect.

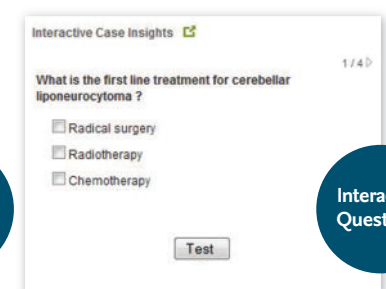
Interactive Questions – Available for selected journals, Interactive Questions consist of author-prepared multiple choice questions. These questions are text based and can be supplemented with images.



AudioSlides



Author Video



Interactive Questions



Context & References

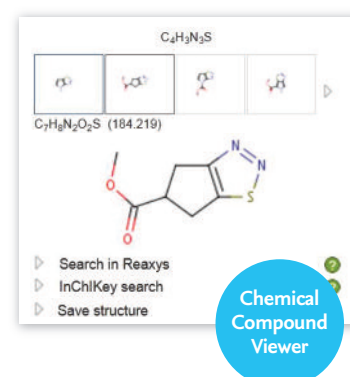
Context & References

Provide context around your article by connecting some of its key concepts to reference information and data. To enrich your article, just add the appropriate identifiers, keywords, or accession numbers – and we'll do the rest.

Antibody Data – This application references information about the antibodies featured in an article, linking to the NIF Antibody Registry.

Chemical Compounds – This viewer presents the reader with structure diagrams for the key chemical compounds featured in the article, and links out to Reaxys for further information on the compounds.

PANGAEA Linked Data – If you have supplementary data sets for the article deposited at the PANGAEA data repository, this feature will automatically present bibliographical details and the field of study of supplementary data sets to the reader.



Bringing Data to Life:

We are collaborating with many data repositories to link articles with primary data. We have taken this program to the next level with a number of data repositories, by building applications that pull in (meta)data from the data repositories and visualize it alongside the article online.

This enables researchers to explore data easily, without interrupting their reading flow.

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Context & References

Lipid Structures – This application displays additional information about the lipids present in an article, including their structure and other key information from the LIPID MAPS™ website.

Gene Expression Omnibus Linked Data – This application presents readers with additional information on Gene Expression Omnibus (GEO) entities tagged by the article's author(s), and links out to the full record at GEO.

Genomes – Readers can explore NCBI data on author-tagged genes through an interactive genetic sequence viewer that supports flipping strands, zooming to a sequence, selecting a specific position and more.

Proteins – Using a 3D interactive visualization tool that works with Protein Data Bank data, this application enables readers to explore the structures of author-tagged proteins.

PubChem Chemical Compounds – This application presents readers with additional information on chemical compounds featured in the article by displaying records from the NCBI PubChem database.



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