Resource Summary Report

Generated by RRID on Apr 8, 2025

Binder

RRID:SCR_016437
Type: Tool

Proper Citation

Binder (RRID:SCR_016437)

Resource Information

URL: https://mybinder.org/

Proper Citation: Binder (RRID:SCR_016437)

Description: Open-source web application for managing digital repositories. Allows to create custom computing environments that can be shared and used by many remote users.Turns a GitHub repository containing a collection of Jupyter Notebooks into a collection of interactive notebooks. With Binder, open those notebooks in an executable environment, making your code immediately reproducible by anyone, anywhere.

Resource Type: web application, storage service resource, data repository, service resource, software resource

Keywords: managing, digital, repository, Jupyter Notebook, interactive notebook, code, reproducible

Funding:

Availability: Open source, Freely available

Resource Name: Binder

Resource ID: SCR_016437

License: Public

Record Creation Time: 20220129T080330+0000

Record Last Update: 20250407T220334+0000

Ratings and Alerts

No rating or validation information has been found for Binder.

No alerts have been found for Binder.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 37 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Sinha A, et al. (2025) The NeuroML ecosystem for standardized multi-scale modeling in neuroscience. eLife, 13.

Bayarri G, et al. (2024) Using interactive Jupyter Notebooks and BioConda for FAIR and reproducible biomolecular simulation workflows. PLoS computational biology, 20(6), e1012173.

Sipakov R, et al. (2024) Leveraging Quadratic Polynomials in Python for Advanced Data Analysis. F1000Research, 13, 490.

Padilla DK, et al. (2024) Preparing the Next Generation of Integrative Organismal Biologists. Integrative and comparative biology, 64(3), 1007.

Beránek J, et al. (2024) Analysis of metadynamics simulations by metadynminer.py. Bioinformatics (Oxford, England), 40(10).

Moore J, et al. (2023) OME-Zarr: a cloud-optimized bioimaging file format with international community support. bioRxiv : the preprint server for biology.

Fabbris G, et al. (2023) Resonant inelastic x-ray scattering data for Ruddlesden-Popper and reduced Ruddlesden-Popper nickelates. Scientific data, 10(1), 174.

Rocca-Serra P, et al. (2023) The FAIR Cookbook - the essential resource for and by FAIR doers. Scientific data, 10(1), 292.

Moore J, et al. (2023) OME-Zarr: a cloud-optimized bioimaging file format with international community support. Histochemistry and cell biology, 160(3), 223.

Khanal P, et al. (2023) Gas7 Is a Novel Dendritic Spine Initiation Factor. eNeuro, 10(4).

de Vries SEJ, et al. (2023) Sharing neurophysiology data from the Allen Brain Observatory.

eLife, 12.

Stall S, et al. (2023) Journal Production Guidance for Software and Data Citations. Scientific data, 10(1), 656.

DuPre E, et al. (2022) Beyond advertising: New infrastructures for publishing integrated research objects. PLoS computational biology, 18(1), e1009651.

Bayarri G, et al. (2022) BioExcel Building Blocks Workflows (BioBB-Wfs), an integrated web-based platform for biomolecular simulations. Nucleic acids research, 50(W1), W99.

Gomes DGE, et al. (2022) Why don't we share data and code? Perceived barriers and benefits to public archiving practices. Proceedings. Biological sciences, 289(1987), 20221113.

Kolpakov F, et al. (2022) BioUML-towards a universal research platform. Nucleic acids research, 50(W1), W124.

Juavinett AL, et al. (2022) The next generation of neuroscientists needs to learn how to code, and we need new ways to teach them. Neuron, 110(4), 576.

Schniete JK, et al. (2021) ActDES - a curated Actinobacterial Database for Evolutionary Studies. Microbial genomics, 7(1).

Vuorre M, et al. (2021) Sharing and organizing research products as R packages. Behavior research methods, 53(2), 792.

Boudreau M, et al. (2021) On the open-source landscape of PLOS Computational Biology. PLoS computational biology, 17(2), e1008725.