

Resource Summary Report

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3DBar

RRID:SCR_008896

Type: Tool

Proper Citation

3DBar (RRID:SCR_008896)

Resource Information

URL: <http://www.3dbar.org>

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Description: Software package for reconstructing three-dimensional models of brain structures from 2-D delineations using a customizable and reproducible workflow. 3dBAR also works as an on-line service (<http://service.3dbar.org>) offering a variety of functions for the hosted datasets: * downloading reconstructions of desired brain structures in predefined quality levels in various supported formats as well as created using customizable settings, * previewing models as bitmap thumbnails and (for WebGL enabled browsers) interactive manipulation (zooming, rotating, etc.) of the structures, * downloading slides from available datasets as SVG drawings. 3dBAR service can also be used by other websites or applications to enhance their functionality. * Operating System: Linux * Programming Language: Python * Supported Data Format: NIfTI-1, Other Format, VRML

Abbreviations: 3dBAR

Synonyms: 3D BAR, 3d Brain Atlas Reconstructor

Resource Type: analysis service resource, atlas, data or information resource, production service resource, reference atlas, service resource, software resource

Defining Citation: [PMID:22227717](#)

Keywords: 3d, reconstruction, brain structure, brain, algorithm or reusable library, web service, atlas application, three dimensional display, spinal cord, sensory system, waxholm space

Availability: GNU General Public License

Resource Name: 3DBar

Resource ID: SCR_008896

Alternate IDs: nlx_151380

Alternate URLs: <http://www.nitrc.org/projects/bar3d>, <http://service.3dbar.org>, <http://www.3dbar.org:8080/>, <http://3dbar.org>

Record Creation Time: 20220129T080249+0000

Record Last Update: 20260912T195710+0000

Ratings and Alerts

No rating or validation information has been found for 3DBar.

No alerts have been found for 3DBar.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Jiricek S, et al. (2020) Electrical Source Imaging in Freely Moving Rats: Evaluation of a 12-Electrode Cortical Electroencephalography System. *Frontiers in neuroinformatics*, 14, 589228.

Ramadi KB, et al. (2020) Computationally Guided Intracerebral Drug Delivery via Chronically Implanted Microdevices. *Cell reports*, 31(10), 107734.

Majka P, et al. (2016) Towards a comprehensive atlas of cortical connections in a primate brain: Mapping tracer injection studies of the common marmoset into a reference digital template. *The Journal of comparative neurology*, 524(11), 2161.

Zakiewicz IM, et al. (2015) Three-Dimensional Histology Volume Reconstruction of Axonal Tract Tracing Data: Exploring Topographical Organization in Subcortical Projections from Rat Barrel Cortex. *PloS one*, 10(9), e0137571.

Majka P, et al. (2013) 3D brain atlas reconstructor service--online repository of three-dimensional models of brain structures. *Neuroinformatics*, 11(4), 507.