

Resource Summary Report

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BALLView

RRID:SCR_015986

Type: Tool

Proper Citation

BALLView (RRID:SCR_015986)

Resource Information

URL: <http://www.ball-project.org/ballview>

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Description: Software for molecular visualization and modeling. It provides fast OpenGL-based visualization of molecular structures, molecular mechanics methods (minimization, MD simulation using the AMBER, CHARMM, and MMFF94 force fields), calculation and visualization of electrostatic properties (FDPB) and molecular editing features.

Synonyms: BALL:Biochemical Algorithms Library, Biochemical Algorithms Library

Resource Type: simulation software, software resource, data visualization software, data processing software, standalone software, software application

Defining Citation: [PMID:16332707](#), [DOI:10.1093/bioinformatics/bti818](#)

Keywords: molecular, modeling, visualization, application, computation, algorithm, library, bioinformatics

Funding: Deutsche Forschungsgemeinschaft BIZ 1/1-3;
BIZ 4/1-1 and LE 952/2-3

Availability: Free, Freely available, Free for download, Runs on Mac OS, Runs on Windows

Resource Name: BALLView

Resource ID: SCR_015986

Alternate IDs: OMICS_05049

Alternate URLs: <https://github.com/BALL-Project/ball/wiki/Tutorials>,
<https://sources.debian.org/src/bamtools/>

License: GNU Public License

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Ratings and Alerts

No rating or validation information has been found for BALLView.

No alerts have been found for BALLView.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Shaw J, et al. (2020) Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. eLife, 9.

Widowati EW, et al. (2018) Functional characterization of DYRK1A missense variants associated with a syndromic form of intellectual deficiency and autism. Biology open, 7(4).

Peveling-Oberhag J, et al. (2015) Whole exome sequencing of microdissected splenic marginal zone lymphoma: a study to discover novel tumor-specific mutations. BMC cancer, 15, 773.

Mueller SC, et al. (2015) BALL-SNP: combining genetic and structural information to identify candidate non-synonymous single nucleotide polymorphisms. Genome medicine, 7(1), 65.