Resource Summary Report

Generated by NIF on Apr 19, 2025

Jmol

RRID:SCR_003796
Type: Tool

Proper Citation

Jmol (RRID:SCR_003796)

Resource Information

URL: http://jmol.sourceforge.net/

Proper Citation: Jmol (RRID:SCR_003796)

Description: An open-source Java viewer for chemical structures in 3D with features for chemicals, crystals, materials and biomolecules. It is cross-platform, running on Windows, Mac OS X, and Linux/Unix systems and features an applet, application, and systems integration component.

Abbreviations: Jmol

Synonyms: Jmol: an open-source Java viewer for chemical structures in 3D

Resource Type: d visualization software, software application, standalone software, software resource

Defining Citation: PMID:28472503, PMID:28316648

Keywords: chemical, crystal, material, biomolecule, java

Funding:

Availability: GNU Lesser General Public License, Acknowledgement requested

Resource Name: Jmol

Resource ID: SCR_003796

Alternate IDs: nlx_158093

Record Creation Time: 20220129T080221+0000

Record Last Update: 20250419T054923+0000

Ratings and Alerts

No rating or validation information has been found for Jmol.

No alerts have been found for Jmol.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 216 mentions in open access literature.

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

Heimer G, et al. (2025) Biallelic PIGM Coding Variant Causes Intractable Epilepsy and Intellectual Disability Without Thrombotic Events. Clinical genetics, 107(2), 179.

Abbott GW, et al. (2024) Discovery of a potent, Kv7.3-selective potassium channel opener from a Polynesian traditional botanical anticonvulsant. Communications chemistry, 7(1), 233.

Nabi T, et al. (2024) Deep learning based predictive modeling to screen natural compounds against TNF-alpha for the potential management of rheumatoid arthritis: Virtual screening to comprehensive in silico investigation. PloS one, 19(12), e0303954.

Negahdari B, et al. (2024) Design of multi-epitope vaccine candidate based on OmpA, CarO and ZnuD proteins against multi-drug resistant Acinetobacter baumannii. Heliyon, 10(14), e34690.

Hachem M, et al. (2024) Investigation of Lysophospholipids-DHA transport across an in vitro human model of blood brain barrier. Heliyon, 10(19), e38871.

Mishra SK, et al. (2024) Thousands of oscillating LncRNAs in the mouse testis. Computational and structural biotechnology journal, 23, 330.

Shahbazi S, et al. (2024) In silico and in vivo Investigations of the Immunoreactivity of Klebsiella pneumoniae OmpA Protein as a Vaccine Candidate. Iranian biomedical journal, 28(4), 156.

Huang H, et al. (2023) Artificial Leaf for Solar-Driven Ammonia Conversion at Milligram-Scale Using Triple Junction III-V Photoelectrode. Advanced science (Weinheim, Baden-

Wurttemberg, Germany), 10(14), e2205808.

Jain A, et al. (2023) AFRbase: a database of protein mutations responsible for antifungal resistance. Bioinformatics (Oxford, England), 39(11).

Fereshteh S, et al. (2023) Defeating a superbug: A breakthrough in vaccine design against multidrug-resistant Pseudomonas aeruginosa using reverse vaccinology. PloS one, 18(8), e0289609.

Kanbe A, et al. (2023) Optical Resolution of Carboxylic Acid Derivatives of Homoleptic Cyclometalated Iridium(III) Complexes via Diastereomers Formed with Chiral Auxiliaries. Inorganic chemistry, 62(29), 11325.

Martínez-Balsalobre E, et al. (2023) Telomerase RNA-based aptamers restore defective myelopoiesis in congenital neutropenic syndromes. Nature communications, 14(1), 5912.

Yao X, et al. (2023) A new PEDV strain CH/HLJJS/2022 can challenge current detection methods and vaccines. Virology journal, 20(1), 13.

Manville RW, et al. (2023) Ancient medicinal plant rosemary contains a highly efficacious and isoform-selective KCNQ potassium channel opener. Communications biology, 6(1), 644.

Kaur H, et al. (2023) Identification of a functional peptide of a probiotic bacterium-derived protein for the sustained effect on preventing colitis. Gut microbes, 15(2), 2264456.

Malhotra S, et al. (2023) RIBFIND2: Identifying rigid bodies in protein and nucleic acid structures. Nucleic acids research, 51(18), 9567.

Bracesco AEA, et al. (2023) In Situ IR Spectroscopy Studies of Atomic Layer-Deposited SnO2 on Formamidinium-Based Lead Halide Perovskite. ACS applied materials & interfaces, 15(31), 38018.

Sabzi S, et al. (2023) Genome-Wide Subtraction Analysis and Reverse Vaccinology to Detect Novel Drug Targets and Potential Vaccine Candidates Against Ehrlichia chaffeensis. Applied biochemistry and biotechnology, 195(1), 107.

Bonacossa-Pereira I, et al. (2022) Neuron-epidermal attachment protects hyper-fragile axons from mechanical strain. Cell reports, 38(10), 110501.

Maandi SC, et al. (2022) Divergent effects of HIV reverse transcriptase inhibitors on pancreatic beta-cell function and survival: Potential role of oxidative stress and mitochondrial dysfunction. Life sciences, 294, 120329.