

Resource Summary Report

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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, standalone software, software resource, software application

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: 20250418T055029+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 [FDI Lab - SciCrunch.org](#).

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.