Resource Summary Report

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UCSF Chimera

RRID:SCR_004097

Type: Tool

Proper Citation

UCSF Chimera (RRID:SCR_004097)

Resource Information

URL: https://www.cgl.ucsf.edu/chimera/

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Description: Software tool for interactive visualization and analysis of molecular structures and related data, including density maps, supramolecular assemblies, sequence alignments, docking results, trajectories, and conformational ensembles. High-quality images and animations can be generated. Chimera includes complete documentation and several tutorials.

Abbreviations: Chimera

Synonyms: Chimera - an Extensible Molecular Modeling System, UCSF Chimera - an Extensible Molecular Modeling System

Resource Type: data processing software, software application, software resource, disualization software

Defining Citation: PMID:15264254

Keywords: molecular modeling, electron microscopy, interactive visualization and analysis, molecular structures

Funding: NIGMS P41 GM103311;

NCRR P41 RR001081

Availability: Restricted

Resource Name: UCSF Chimera

Resource ID: SCR_004097

Alternate IDs: nlx_143560

Old URLs: http://plato.cgl.ucsf.edu/chimera/

Record Creation Time: 20220129T080222+0000

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Ratings and Alerts

No rating or validation information has been found for UCSF Chimera.

No alerts have been found for UCSF Chimera.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1978 mentions in open access literature.

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

Faull SV, et al. (2025) MCM2-7 ring closure involves the Mcm5 C-terminus and triggers Mcm4 ATP hydrolysis. Nature communications, 16(1), 14.

Taheri MN, et al. (2025) Cliotide U1, a Novel Antimicrobial Peptide Isolated From Urtica Dioica Leaves. Bioinformatics and biology insights, 19, 11779322251315291.

Liu Z, et al. (2025) Anti-Neuroinflammatory Effects of Prenylated Indole Alkaloids from the Antarctic Fungus Aspergillus sp. Strain SF-7367. Molecules (Basel, Switzerland), 30(2).

Bal?kç? E, et al. (2025) Structure of the Nipah virus polymerase complex. The EMBO journal, 44(2), 563.

Song BH, et al. (2025) Key virulence factors responsible for differences in pathogenicity between clinically proven live-attenuated Japanese encephalitis vaccine SA14-14-2 and its pre-attenuated highly virulent parent SA14. PLoS pathogens, 21(1), e1012844.

Gonda I, et al. (2025) The mycobacterial ABC transporter IrtAB employs a membrane-facing crevice for siderophore-mediated iron uptake. Nature communications, 16(1), 1133.

Akimov MG, et al. (2025) Two-Step Cell Death Induction by the New 2-Arachidonoyl Glycerol

Analog and Its Modulation by Lysophosphatidylinositol in Human Breast Cancer Cells. International journal of molecular sciences, 26(2).

Gawad WE, et al. (2025) Cyclic di AMP phosphodiesterase nanovaccine elicits protective immunity against Burkholderia cenocepacia infection in mice. NPJ vaccines, 10(1), 22.

Junglas B, et al. (2025) Structural plasticity of bacterial ESCRT-III protein PspA in higher-order assemblies. Nature structural & molecular biology, 32(1), 23.

Lai R, et al. (2025) Mechanism of Ampicillin Hydrolysis by New Delhi Metallo-?-Lactamase 1: Insight From QM/MM MP2 Calculation. Journal of computational chemistry, 46(1), e27544.

Deutsch-Williams RJ, et al. (2025) FAP-Targeted Fluorescent Imaging Agents to Study Cancer-Associated Fibroblasts In Vivo. Bioconjugate chemistry, 36(1), 44.

Vascon F, et al. (2025) Snapshots of Pseudomonas aeruginosa SOS response reveal structural requisites for LexA autoproteolysis. iScience, 28(2), 111726.

Bao Y, et al. (2025) Co-Existing Nanoplastics Further Exacerbates the Effects of Triclosan on the Physiological Functions of Human Serum Albumin. Life (Basel, Switzerland), 15(1).

Salam R, et al. (2025) The discovery of a new nonbile acid modulator of Takeda G protein-coupled receptor 5: An integrated computational approach. Archiv der Pharmazie, 358(1), e2400423.

Butryn A, et al. (2025) Unidirectional MCM translocation away from ORC drives origin licensing. Nature communications, 16(1), 782.

Mukhopadhyay S, et al. (2025) Anti-Idiotypic Antibody as a Booster Vaccine Against Respiratory Syncytial Virus. Vaccines, 13(1).

Tian Y, et al. (2025) Structural insight into Okazaki fragment maturation mediated by PCNA-bound FEN1 and RNaseH2. The EMBO journal, 44(2), 484.

lyer SS, et al. (2025) Centriolar cap proteins CP110 and CPAP control slow elongation of microtubule plus ends. The Journal of cell biology, 224(3).

Huhn A, et al. (2025) The molecular reach of antibodies crucially underpins their viral neutralisation capacity. Nature communications, 16(1), 338.

Le Bas A, et al. (2025) Structure of WzxE the lipid III flippase for Enterobacterial Common Antigen polysaccharide. Open biology, 15(1), 240310.