Resource Summary Report

Generated by NIF on May 6, 2025

AutoDock Vina

RRID:SCR_011958
Type: Tool

Proper Citation

AutoDock Vina (RRID:SCR_011958)

Resource Information

URL: http://vina.scripps.edu/

Proper Citation: AutoDock Vina (RRID:SCR_011958)

Description: An open-source program for doing molecular docking.

Abbreviations: AutoDock Vina

Resource Type: software resource

Defining Citation: PMID:34278794, PMID:19499576, DOI:10.1002/jcc.21334

Keywords: bio.tools

Funding:

Availability: Open unspecified license

Resource Name: AutoDock Vina

Resource ID: SCR_011958

Alternate IDs: biotools:autodock_vina, OMICS_01595, OMICS_03790

Alternate URLs: https://bio.tools/autodock_vina, https://sources.debian.org/src/avogadro/

Record Creation Time: 20220129T080307+0000

Record Last Update: 20250420T014603+0000

Ratings and Alerts

No rating or validation information has been found for AutoDock Vina.

No alerts have been found for AutoDock Vina.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1455 mentions in open access literature.

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

Ogunyemi OM, et al. (2025) Identification of promising dipeptidyl peptidase-4 and protein tyrosine phosphatase 1B inhibitors from selected terpenoids through molecular modeling. Bioinformatics advances, 5(1), vbae205.

Hou P, et al. (2025) Phenazine biosynthesis-like domain-containing protein (PBLD) and Cedrelone promote antiviral immune response by activating NF-?B. Nature communications, 16(1), 496.

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.

Brcko IC, et al. (2025) Comprehensive molecular epidemiology of influenza viruses in Brazil: insights from a nationwide analysis. Virus evolution, 11(1), veae102.

Zhao N, et al. (2025) Identification of critical endoplasmic reticulum stress-related genes in advanced atherosclerotic plaque. Scientific reports, 15(1), 2107.

Dong T, et al. (2025) Cannabidiol Ameliorates Doxorubicin-Induced Myocardial Injury via Activating Hippo Pathway. Drug design, development and therapy, 19, 569.

El-Gazzar N, et al. (2025) Suppression of mycotoxins production and efficient chelation of heavy metals using natural melanin originated from Aspergillus flavus and Aspergillus carbonarius. BMC biotechnology, 25(1), 6.

Gong X, et al. (2025) Chromosome-level genome assembly of Iodes seguinii and its metabonomic implications for rheumatoid arthritis treatment. The plant genome, 18(1), e20534.

Li R, et al. (2025) Deep learning-based discovery of compounds for blood pressure lowering effects. Scientific reports, 15(1), 54.

Rad SK, et al. (2025) Enhancement of Doxorubicin Efficacy by Bacopaside II in Triple-

Negative Breast Cancer Cells. Biomolecules, 15(1).

Wang E, et al. (2025) HMOX1 as a potential drug target for upper and lower airway diseases: insights from multi-omics analysis. Respiratory research, 26(1), 41.

Rodrigues CHM, et al. (2025) CSM-Potential2: A comprehensive deep learning platform for the analysis of protein interacting interfaces. Proteins, 93(1), 209.

Basmenj ER, et al. (2025) Computational epitope-based vaccine design with bioinformatics approach; a review. Heliyon, 11(1), e41714.

Castillo G, et al. (2025) Genome Sequencing Reveals the Potential of Enterobacter sp. Strain UNJFSC003 for Hydrocarbon Bioremediation. Genes, 16(1).

Zhang Y, et al. (2025) Exploring the Underlying Mechanism of Weiling Decoction Alleviates Cold-Dampness Diarrhea Based on Network Pharmacology, Transcriptomics, Molecular Docking and Experimental Validation. Pharmaceuticals (Basel, Switzerland), 18(1).

AlJunaydil NA, et al. (2025) Lovastatin and Resveratrol Synergistically Improve Wound Healing and Inhibit Bacterial Growth. International journal of molecular sciences, 26(2).

Wang Z, et al. (2025) Development of immune-derived molecular markers for preeclampsia based on multiple machine learning algorithms. Scientific reports, 15(1), 1767.

Afriza D, et al. (2025) Anticancer Potential of Quercetin on Oral Squamous Cell Carcinoma: A Scoping Review and Molecular Docking. European journal of dentistry, 19(1), 15.

Rosa D, et al. (2025) Investigation of alpha-glucosidase inhibition activity of Artabotrys sumatranus leaf extract using metabolomics, machine learning and molecular docking analysis. PloS one, 20(1), e0313592.

Abe M, et al. (2025) Identification of a putative novel polycyclic aromatic hydrocarbon-biodegrading gene cluster in a marine Roseobacteraceae bacterium Sagittula sp. MA-2. Microbiology spectrum, 13(1), e0107424.