

Resource Summary Report

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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

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: 20260821T193949+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 2447 mentions in open access literature.

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

Yang J, et al. (2026) Astragaloside IV directly targets PPP1R14B to sensitize prostate cancer to anti-PD-1 immunotherapy by remodeling the CX3CL1/CD8+ T cell axis. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 155, 158158.

Qiao S, et al. (2026) Gut Mycobiota-Associated Tryptophan Catabolites Protect Against Metabolic Dysfunction-Associated Steatotic Liver Disease. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(39), e14830.

Li H, et al. (2026) PDZRN4 suppresses lung adenocarcinoma progression via inhibiting ubiquitin-mediated HIF-1A degradation. *Oncogene*, 45(4), 577.

Ghasemi F, et al. (2026) Expansion, functional diversification, and gene fusion events in the Ato protein family. *iScience*, 29(7), 116467.

Jiang X, et al. (2026) USP20-Driven Cholesterol Metabolism Links Inflammatory Signaling to Malignancy and Stromal Coevolution in Pancreatic Cancer. *Cancer research*, 86(3), 712.

Liu A, et al. (2026) Soluble Uric Acid Drives CD8+ T-cell Exhaustion by Inducing KSR1-Mediated MAPK Hyperactivation. *Cancer research*, 86(14), 3459.

Song H, et al. (2026) Hijacking ERAD for targeted degradation of transmembrane proteins. *Cell*, 189(6), 1768.

Liu SS, et al. (2026) Epigenetic regulation of NDGA and its synergistic inhibition with EZH2 inhibitors in prostate cancer via NRP1. *Acta pharmacologica Sinica*, 47(6), 1643.

Jiang YY, et al. (2026) Ze-qi Decoction Inhibits Neutrophil Extracellular Trap Formation to Suppress the Progression and Metastasis of Non-Small Cell Lung Cancer. *Integrative cancer therapies*, 25, 15347354261420750.

Iqbal MK, et al. (2026) Protective effect of scorpion-venom heat-resistant peptide (SVHRSP) against depression associated with Parkinson's disease via suppression of CREB-Akt pathway-mediated inflammation. *British journal of pharmacology*, 183(11), 2820.

Dong X, et al. (2026) Gut-microbiota-derived 3-indoleacrylic acid alleviates neonatal necrotizing enterocolitis by inhibiting epithelial necroptosis. *Cell reports. Medicine*, 7(4), 102721.

Karthikeyan A, et al. (2026) Multitarget inhibition of biofilm, virulence, and quorum sensing of *Pseudomonas aeruginosa* by FDA-approved natural bioactives. *Microbial pathogenesis*, 217, 108595.

Sinyavskiy S, et al. (2026) Benzo[e][1,2,4]triazolo[1,5-c][1,2,3]triazines: Design, Synthesis, and Cytotoxic Effects. *Chemistry & biodiversity*, 23(6), e71416.

Confortin C, et al. (2026) Impact of organic pollutants on phenotype and gene expression in human breast cancer cells. *Journal of applied toxicology : JAT*, 46(5), 1487.

Beigh S, et al. (2026) Ginkgolide as a Promising Multi-Target Therapeutic for Alzheimer's Disease: Targeting ApoE4 and Beyond. *Current pharmaceutical design*, 32(15), 1200.

Liu Y, et al. (2026) A Comparative Study of Deep Learning and Classical Modeling Approaches for Protein-Ligand Binding Pose and Affinity Prediction in Coronavirus Main Proteases. *Journal of chemical information and modeling*, 66(1), 731.

Yuan Y, et al. (2026) Lactate derived from macrophages drives skin dermal fibroblasts phenotypic remodeling via MCT1-primed histone H3 lysine 23 lactylation in hypertrophic scar. *Nature communications*, 17(1).

Jiang YQ, et al. (2026) GR/HDAC2/synaptic complexes in hippocampal CA1 mediate the antidepressant effects of magnolol. *Biomedical journal*, 49(3), 100961.

Tobiasz P, et al. (2026) Synthesis and Study of Substituted Chalcones Combined with Fluoroazobenzenes-New Photoswitches for Application in Biological Systems. *Molecules (Basel, Switzerland)*, 31(2).

Liu F, et al. (2026) Unveiling the Therapeutic Potential of "Taikong Blue" Lavender Essential Oil and Its Key Compounds in Skin Problems via Network Pharmacology and In Vitro Validation. *Journal of cosmetic dermatology*, 25(2), e70640.