

Resource Summary Report

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ZDOCK Server

RRID:SCR_022518

Type: Tool

Proper Citation

ZDOCK Server (RRID:SCR_022518)

Resource Information

URL: <https://zdock.umassmed.edu/>

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Description: Web tool as protein docking server, based on rigid body docking programs ZDOCK and M-ZDOCK, to predict structures of protein-protein complexes and symmetric multimers.

Resource Type: data access protocol, software resource, web service

Defining Citation: [PMID:24532726](#)

Keywords: Protein docking server, ZDOCK, M-ZDOCK, predict structures, protein-protein complexes, symmetric multimers

Funding: NIGMS GM084884

Availability: Free, Freely available

Resource Name: ZDOCK Server

Resource ID: SCR_022518

Record Creation Time: 20220625T050140+0000

Record Last Update: 20260829T182747+0000

Ratings and Alerts

No rating or validation information has been found for ZDOCK Server.

No alerts have been found for ZDOCK Server.

Data and Source Information

Usage and Citation Metrics

We found 137 mentions in open access literature.

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

Hong W, et al. (2026) Crystal structure of Echinococcus multilocularis cystatin B reveals a novel feature in classical stefins. Scientific reports, 16(1), 5114.

Joseph J, et al. (2026) Beyond dormancy: organ-specific gene regulatory networks control winter development in peach buds. Horticulture research, 13(2), uhaf310.

Li W, et al. (2026) PKM2 Lactylation Promotes Colorectal Cancer Vasculogenic Mimicry and Bevacizumab Resistance by Facilitating FOSL1 Super-enhancer Formation. Cancer research, 86(11), 2759.

Padariya M, et al. (2026) Structural adaptability of SARS-CoV-2 Nsp1 with the host network. European biophysics journal : EBJ, 55(1), 41.

Yu L, et al. (2026) Identification of a novel CLCN2 homozygous variant in a man with leukoencephalopathy and infertility: a case report and literature review. Frontiers in genetics, 17, 1761205.

Jiao P, et al. (2026) A single mutation in nonstructural protein 1 is critical for the adaptive evolution of influenza B virus. Nature communications, 17(1).

Chen D, et al. (2026) Design of a bispecific peptide-nanozyme conjugate for cancer immunotherapy. Cell reports. Medicine, 7(2), 102568.

Han W, et al. (2026) HMGN2 induces pyroptosis in tumour cells by modulating the STT3B/PD?L1/caspase?1/GSDMD axis. Molecular medicine reports, 33(3).

Xie L, et al. (2026) Single-Cell RNA Sequencing of Retina Reveals Nna1 Upregulation in Myopic Diabetic Retinopathy as a Protective Factor Against Diabetic Damage. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(5), e00438.

Hu M, et al. (2026) Modulation of endothelial-to-mesenchymal transition via NRP-1 targeting with melittin attenuates pulmonary fibrosis. Materials today. Bio, 36, 102659.

Wang S, et al. (2026) TIPE2 serves as a favorable prognostic biomarker and suppresses cholangiocarcinoma progression by targeting RAC1-mediated integrin ?v?6 trafficking. Scientific reports, 16(1), 6638.

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

Liao K, et al. (2026) The AHCY-adenosine complex rewires mRNA methylation to enhance fatty acid biosynthesis and tumorigenesis. Cell research, 36(2), 152.

Huang FF, et al. (2026) Preparation, identification and molecular characterization of umami peptides from skipjack tuna meat: Insights from sensory evaluation and molecular dynamics simulations. Food chemistry: X, 34, 103595.

Gu H, et al. (2026) The Molecular Characterization and Functional Analysis of *Pomacea canaliculata* Boule: A Central Player in Spermatogenesis and Male Fertility. Biology, 15(7).

Li Z, et al. (2026) The ubiquitin-like protein FAT10 enhances the autophagy-mediated degradation of ZO-1 by stabilizing ATG3 to promote the lung metastasis of colon cancer. Cellular oncology (Dordrecht, Netherlands), 49(4).

Wang M, et al. (2025) Endogenous protein S100A14 stabilizes glutaminase to render hepatocellular carcinoma resistant to sorafenib. Journal of translational medicine, 23(1), 435.

Zhao LQ, et al. (2025) MDA5 protein mediating persistent ER stress/unfolded protein response contributes to endothelial-mesenchymal-transition of lung microvascular endothelial cell in dermatomyositis. Cell communication and signaling : CCS, 23(1), 149.

Ali A, et al. (2025) Neutrophil elastase binds at the central domain of extracellular Toll-like receptor 4: AI prediction, docking, and validation in disease model. Scientific reports, 15(1), 9282.

Yan HJ, et al. (2025) De Novo ACTB Variant Associated With Juvenile-Onset Temporal Lobe Epilepsy With Favorable Outcomes. Human mutation, 2025, 9951922.