

Resource Summary Report

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LOMETS

RRID:SCR_021882

Type: Tool

Proper Citation

LOMETS (RRID:SCR_021882)

Resource Information

URL: <https://zhanggroup.org/LOMETS/>

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Description: Local threading meta server, for quick and automated predictions of protein tertiary structures and spatial constraints. New generation of meta server approach to template based protein structure prediction and structure based function annotation, which integrates multiple deep learning based threading methods and profile based programs (FFAS3D, HHpred, HHsearch, MRFsearch, MUSTER, SparksX).

Synonyms: Local Meta Threading Server, Local Meta-Threading Server, LOMETS2, LOMETS3

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

Defining Citation: [PMID:17478507](#)

Keywords: protein tertiary structures predictions, spatial constraints predictions

Availability: Free, Freely available

Resource Name: LOMETS

Resource ID: SCR_021882

Record Creation Time: 20220421T050137+0000

Record Last Update: 20260829T182720+0000

Ratings and Alerts

No rating or validation information has been found for LOMETS.

No alerts have been found for LOMETS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Zheng W, et al. (2026) Deep-learning-based single-domain and multidomain protein structure prediction with D-I-TASSER. *Nature biotechnology*, 44(4), 641.

Sheikhi A, et al. (2025) Novel sACE2-Anti-CD16VHH Fusion Protein Surreptitiously Inhibits SARS-CoV-2 Variant Spike Proteins and Macrophage Cytokines, and Activates Natural Killer Cell Cytotoxicity. *Vaccines*, 13(2).

Tasleem M, et al. (2023) An In Silico Bioremediation Study to Identify Essential Residues of Metallothionein Enhancing the Bioaccumulation of Heavy Metals in *Pseudomonas aeruginosa*. *Microorganisms*, 11(9).

Fletcher SC, et al. (2023) Impaired protein hydroxylase activity causes replication stress and developmental abnormalities in humans. *The Journal of clinical investigation*, 133(7).

Matrawy AA, et al. (2022) Molecular study on recombinant cold-adapted, detergent- and alkali stable esterase (EstRag) from *Lysinibacillus* sp.: a member of family VI. *World journal of microbiology & biotechnology*, 38(12), 217.

Falak S, et al. (2022) Molecular cloning, expression in *Escherichia coli* and structural-functional analysis of a pyruvate kinase from *Pyrobaculum calidifontis*. *International journal of biological macromolecules*, 209(Pt A), 1410.

Embaby AM, et al. (2022) Recombinant acetylxytan esterase of *Halalkalibacterium halodurans* NAH-Egypt: molecular and biochemical study. *AMB Express*, 12(1), 135.

Philip J, et al. (2022) Cdc6 is sequentially regulated by PP2A-Cdc55, Cdc14, and Sic1 for origin licensing in *S. cerevisiae*. *eLife*, 11.