

Resource Summary Report

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PISA

RRID:SCR_015749

Type: Tool

Proper Citation

PISA (RRID:SCR_015749)

Resource Information

URL: <http://www.ebi.ac.uk/pdbe/pisa/>

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Description: Web application for exploration of macromolecular interfaces. It calculates structural and chemical properties of macromolecular surfaces and interfaces, as well as quaternary structures (assemblies), their structural and chemical properties and dissociation patterns.

Abbreviations: PDBePISA

Synonyms: PDBePISA, Proteins Interfaces Structures and Assemblies

Resource Type: software resource, web application

Defining Citation: [PMID:17681537](#)

Keywords: macromolecule, assembly, dissociation pattern, chemical composition

Funding: BBSRC 721/B19544

Availability: Freely available, Free, Available for download, Tutorial available

Resource Name: PISA

Resource ID: SCR_015749

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260801T190520+0000

Ratings and Alerts

No rating or validation information has been found for PISA.

No alerts have been found for PISA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1571 mentions in open access literature.

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

Yuan R, et al. (2026) CASP16 Protein Monomer Structure Prediction Assessment. *Proteins*, 94(1), 86.

Chen Y, et al. (2026) Structure insight into FtsZ function maintaining under acid stress of *Streptococcus mutans*. *International journal of oral science*, 18(1), 3.

Martins CS, et al. (2025) Genetically encoded reporters of actin filament organization in living cells and tissues. *Cell*, 188(9), 2540.

Shu S, et al. (2025) Histone Deacetylase 6 Controls Atrial Fibrosis and Remodeling in Postinfarction Mice Through the Modulation of Wnt3a/GSK-3 β Signaling. *FASEB journal* : official publication of the Federation of American Societies for Experimental Biology, 39(10), e70650.

Lin J, et al. (2025) Nudix Hydrolase 13 Impairs the Initiation of Colorectal Cancer by Inhibiting PKM1 ADP-Ribosylation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(13), e2410058.

Linciano S, et al. (2025) Screening macrocyclic peptide libraries by yeast display allows control of selection process and affinity ranking. *Nature communications*, 16(1), 5367.

Zoroaster A, et al. (2025) In vitro and in vivo effectiveness of essential oils against coccidia in Black Livorno chickens. *BMC veterinary research*, 21(1), 465.

Encarnação S, et al. (2025) Hierarchical clustering of the pre-exam anxiety levels in physically inactive and active adolescent students from 56 countries: an observational study using PISA program data. *Frontiers in sports and active living*, 7, 1509959.

Peng W, et al. (2025) Structural Basis for Postfusion-Specific Binding to the Respiratory Syncytial Virus F Protein by the Canonical Antigenic Site I Antibody 131-2a. *ACS infectious diseases*, 11(8), 2357.

Desiato G, et al. (2025) An inflammatory fingerprint in mild cognitively impaired patients is reversed by physical and cognitive training. *Brain, behavior, & immunity - health*, 48, 101062.

Corradi F, et al. (2025) WINFOCUS worldwide survey on central venous catheter insertion and position confirmation practices (CVC-ICON study). *The ultrasound journal*, 17(1), 41.

Elefante E, et al. (2025) Predictors of patient-reported outcomes phenotypes in SLE during remission: a cluster analysis approach. *Lupus science & medicine*, 12(2).

Bach KM, et al. (2025) Unlocking math potential in students from lower SES backgrounds - using instructional scaffolds to improve performance. *NPJ science of learning*, 10(1), 66.

Yan L, et al. (2025) A broadly neutralizing antibody recognizes a unique epitope with a signature motif common across coronaviruses. *Nature communications*, 16(1), 7580.

Sun X, et al. (2025) High-dose ascorbic acid selectively induces pyroptosis in LKB1-deficient lung cancer and sensitizes immunotherapy. *Cell reports. Medicine*, 6(9), 102291.

Marcos-Prieto P, et al. (2025) Dopaminergic and serotonergic genetic variants predict actions and expectations of cooperation and punishment. *Scientific reports*, 15(1), 20641.

Busuttil K, et al. (2025) Mapping the sialic acid-binding sites of LuIII and H-1 parvovirus. *Journal of virology*, 99(8), e0029725.

Guo L, et al. (2025) Structural insights into manganese-dependent arylsulfatase from *Enterococcus faecium* and its catalytic promiscuity. *mBio*, 16(9), e0003125.

Jo G, et al. (2025) Structural basis of broad protection against influenza virus by human antibodies targeting the neuraminidase active site via a recurring motif in CDR H3. *Nature communications*, 16(1), 7067.

Barth E, et al. (2025) Analysis of microRNA expression reveals convergent evolution of the molecular control of diapause in annual killifishes. *Frontiers in genetics*, 16, 1583989.