

Resource Summary Report

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Similarity Ensemble Approach

RRID:SCR_023754

Type: Tool

Proper Citation

Similarity Ensemble Approach (RRID:SCR_023754)

Resource Information

URL: <https://sea.bkslab.org/>

Proper Citation: Similarity Ensemble Approach (RRID:SCR_023754)

Description: Web tool to relate proteins based on set wise chemical similarity among their ligands. Used to rapidly search large compound databases and to build cross target similarity maps.

Abbreviations: SEA

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

Defining Citation: [PMID:17287757](#)

Keywords: relate proteins, chemical similarity among proteins ligands, search large compound databases, build cross target similarity maps,

Availability: Free, Freely available

Resource Name: Similarity Ensemble Approach

Resource ID: SCR_023754

Record Creation Time: 20230708T050227+0000

Record Last Update: 20260805T044520+0000

Ratings and Alerts

No rating or validation information has been found for Similarity Ensemble Approach.

No alerts have been found for Similarity Ensemble Approach.

Data and Source Information

Usage and Citation Metrics

We found 161 mentions in open access literature.

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

Zhang Z, et al. (2025) Revealing the mechanisms of warfarin-induced vascular calcification through metabolomics and network toxicology. *Frontiers in pharmacology*, 16, 1554987.

Ge W, et al. (2025) Comprehensive network pharmacology and experimental study to investigate the effect and mechanism of solasonine on breast carcinoma treatment. *Cancer cell international*, 25(1), 49.

He S, et al. (2025) Identification of quality markers and mechanisms of Anzi Tiaochong Fang in the treatment of antiphospholipid syndrome-related recurrent pregnancy loss: chemical analysis, network pharmacology, and in vitro approaches. *BMC complementary medicine and therapies*, 25(1), 20.

Zhang M, et al. (2025) Metabolomics and network analysis reveal the mechanism of *Salvia miltiorrhiza bunge* extract in ameliorating cognitive dysfunction in sleep-deprived rats. *Scientific reports*, 15(1), 28873.

Abdelhady EM, et al. (2025) Unveiling the cytotoxicity of Red Sea *Moorena producens* via LC-QTOF-MS/MS chemical profiling, network pharmacology, and molecular docking. *Pharmaceutical biology*, 63(1), 549.

Qiao Y, et al. (2025) Exploring the Mechanism of Qinzhuliangxue Mixture for Treating Skin Lesions in Atopic Dermatitis: Insights from Network Pharmacology and Experimental Validation. *Journal of inflammation research*, 18, 5173.

Li S, et al. (2025) Non-targeted metabolomics and network pharmacology of Taohong Siwu Decoction in hepatic fibrosis mouse model using high resolution mass spectrometry. *Frontiers in molecular biosciences*, 12, 1614341.

Liu Y, et al. (2025) Exploring the Molecular Mechanism of Hydroxychloroquine Against IgAN Through Network Pharmacology, MD Simulations and Experimental Assessment. *Journal of cellular and molecular medicine*, 29(10), e70615.

Yuan X, et al. (2025) Rhein Alleviates Cisplatin-Induced Acute Kidney Injury via Downregulation of NOX4-COX2/PGFS Signaling Pathway. *Drug design, development and therapy*, 19, 4641.

Yin B, et al. (2025) Astaxanthin mitigates doxorubicin-induced cardiotoxicity via inhibiting ferroptosis and autophagy: a study based on bioinformatic analysis and in vivo/vitro experiments. *Frontiers in pharmacology*, 16, 1524448.

Li J, et al. (2025) Preconditioning with acteoside ameliorates myocardial ischemia???reperfusion injury by targeting HSP90AA1 and the PI3K/Akt signaling

pathway. *Molecular medicine reports*, 31(3).

Wang W, et al. (2025) *Thlaspi arvense* suppresses gut microbiota related TNF inflammatory pathway to alleviates ulcerative colitis. *Frontiers in immunology*, 16, 1537325.

Zhang H, et al. (2025) Antithrombotic effect and plasma pharmacochemistry of *Justicia Procumbens* L. *PloS one*, 20(4), e0321023.

Zhou T, et al. (2025) Integrative analysis reveals SRD5A2 as a central mediator in PPCPs induced modulation of the prostate cancer immune microenvironment. *Discover oncology*, 16(1), 2141.

Zhang Y, et al. (2025) Clozapine Induces Agranulocytosis via Inflammatory and Hematopoietic Cytokine Induction of the JAK-STAT Signaling Pathway: Evidence From Network Pharmacology and Molecular Docking. *CNS neuroscience & therapeutics*, 31(1), e70206.

Song Z, et al. (2025) Mechanistic insights into the anti-depressant effect of quercetin: an integrated bibliometrics, bioinformatics, and animal experimentation. *Frontiers in nutrition*, 12, 1612746.

Zheng C, et al. (2025) Volatile Compounds in Musk and Their Anti-Stroke Mechanisms. *Metabolites*, 15(3).

Wang X, et al. (2025) Exploring the interplay between adipokine-mediated celastrol target genes and T cells in diabetic nephropathy: a mendelian randomization-based causal inference. *Diabetology & metabolic syndrome*, 17(1), 89.

Feng Y, et al. (2025) Xiao-Chai-Hu-Tang Ameliorates Depressive Symptoms via Modulating Neuro-Endocrine Network in Chronic Unpredictable Mild Stress-Induced Mice. *CNS neuroscience & therapeutics*, 31(2), e70290.

Zhang X, et al. (2025) Mechanism of Action and Efficacy of Wu-Hua-Yan-Xiao in the Treatment of Pediatric Acute Pharyngitis Based on Network Pharmacology and Experimental Validation. *Drug design, development and therapy*, 19, 4321.