

Resource Summary Report

Generated by [dkNET](#) on Aug 24, 2026

COMPASS

RRID:SCR_015874

Type: Tool

Proper Citation

COMPASS (RRID:SCR_015874)

Resource Information

URL: <https://sourceforge.net/projects/icacompass/>

Proper Citation: COMPASS (RRID:SCR_015874)

Description: Algorithm for MATLAB and the EEGLAB toolbox that enables the automatic detection of independent components from an ICA that represent event-related brain potentials. It performs automatic Independent Component (IC) selection with respect to the contributions of the ICs to a certain ERP.

Synonyms: ICACOMPASS

Resource Type: algorithm resource, software resource

Defining Citation: [PMID:20965258](#)

Keywords: matlab, eeglab, independent component, ica, erp, event-related potential

Funding: Gertrud Reemtsma Foundation for Brain Research

Availability: Free, Available for download

Resource Name: COMPASS

Resource ID: SCR_015874

Alternate URLs: http://53450283.de.strato-hosting.eu/jrw/lab/e_compass.htm

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260819T044427+0000

Ratings and Alerts

No rating or validation information has been found for COMPASS.

No alerts have been found for COMPASS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 844 mentions in open access literature.

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

Cabello AL, et al. (2024) Brucella-driven host N-glycome remodeling controls infection. *Cell host & microbe*, 32(4), 588.

Goodstal SM, et al. (2023) Preclinical evidence for the effective use of TL-895, a highly selective and potent second-generation BTK inhibitor, for the treatment of B-cell malignancies. *Scientific reports*, 13(1), 20412.

van Thiel J, et al. (2023) Highly Evolvable: Investigating Interspecific and Intraspecific Venom Variation in Taipans (*Oxyuranus* spp.) and Brown Snakes (*Pseudonaja* spp.). *Toxins*, 15(1).

Casu B, et al. (2023) Cytoplasmic contractile injection systems mediate cell death in *Streptomyces*. *Nature microbiology*, 8(4), 711.

Sprankel L, et al. (2023) Essential protein P116 extracts cholesterol and other indispensable lipids for *Mycoplasmas*. *Nature structural & molecular biology*, 30(3), 321.

Li Y, et al. (2023) Influencing Factors and Evaluation of the Self-Healing Behavior of Asphalt Binder Using Molecular Dynamics Simulation Method. *Molecules* (Basel, Switzerland), 28(6).

Nüesch-Inderbilen M, et al. (2023) High occurrence of *Enterococcus faecalis*, *Enterococcus faecium*, and *Vagococcus lutrae* harbouring oxazolidinone resistance genes in raw meat-based diets for companion animals - a public health issue, Switzerland, September 2018 to May 2020. *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*, 28(6).

Castillo-Quan JI, et al. (2023) An antisteatosis response regulated by oleic acid through lipid droplet-mediated ERAD enhancement. *Science advances*, 9(1), eadc8917.

Busch L, et al. (2023) Advanced Skin Antisepsis: Application of UVA-Cleavable Hydroxyethyl Starch Nanocapsules for Improved Eradication of Hair Follicle-Associated Microorganisms. *Pharmaceutics*, 15(2).

Demeter F, et al. (2023) First Synthesis of DBU-Conjugated Cationic Carbohydrate Derivatives and Investigation of Their Antibacterial and Antifungal Activity. *International*

journal of molecular sciences, 24(4).

Gohari MR, et al. (2023) The intersection of internalizing symptoms and alcohol use during the COVID-19 pandemic: A prospective cohort study. *Preventive medicine*, 166, 107381.

Haskell-Ramsay CF, et al. (2023) Mixed Tree Nuts, Cognition, and Gut Microbiota: A 4-Week, Placebo-Controlled, Randomized Crossover Trial in Healthy Nonelderly Adults. *The Journal of nutrition*, 152(12), 2778.

Li D, et al. (2023) Scaffolding Protein Connector Enhancer of Kinase Suppressor of Ras 1 (CNKSR1) Regulates MAPK Inhibition Responsiveness in Pancreas Cancer via Crosstalk with AKT Signaling. *Molecular cancer research : MCR*, 21(4), 316.

Thompson CMA, et al. (2023) Plasmids manipulate bacterial behaviour through translational regulatory crosstalk. *PLoS biology*, 21(2), e3001988.

Wang H, et al. (2023) The dose-dependent effect of 1.5-GHz microwave exposure on spatial memory and the NMDAR pathway in Wistar rats. *Environmental science and pollution research international*, 30(13), 37427.

Hall MB, et al. (2023) Evaluation of Nanopore sequencing for *Mycobacterium tuberculosis* drug susceptibility testing and outbreak investigation: a genomic analysis. *The Lancet. Microbe*, 4(2), e84.

Park LG, et al. (2023) Social Support and Technology Use and Their Association With Mental and Physical Health During the COVID-19 Pandemic Among Asian Americans: The COMPASS Cross-sectional Study. *JMIR public health and surveillance*, 9, e35748.

Möttönen NB, et al. (2023) Mechanical Properties of Polypropylene-Cellulose Biocomposites: Molecular Dynamics Simulations Combined with Constant Strain Method. *Molecules (Basel, Switzerland)*, 28(3).

Viscusi G, et al. (2023) Quercetin-Loaded Polycaprolactone-Polyvinylpyrrolidone Electrospun Membranes for Health Application: Design, Characterization, Modeling and Cytotoxicity Studies. *Membranes*, 13(2).

Sapp E, et al. (2023) Early whole-body mutant huntingtin lowering preserves proteins and lipids important for synapse function and white matter maintenance in the LacQ140 mouse model. *bioRxiv : the preprint server for biology*.