

# Resource Summary Report

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## COMPASS

RRID:SCR\_015874

Type: Tool

### Proper Citation

COMPASS (RRID:SCR\_015874)

### Resource Information

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

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**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](http://53450283.de.strato-hosting.eu/jrw/lab/e_compass.htm)

**Record Creation Time:** 20220129T080327+0000

**Record Last Update:** 20260811T043528+0000

### Ratings and Alerts

No rating or validation information has been found for COMPASS.

No alerts have been found for COMPASS.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 844 mentions in open access literature.

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

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).

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.

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.

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.

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).

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.