

Resource Summary Report

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CYCLE

RRID:SCR_001328

Type: Tool

Proper Citation

CYCLE (RRID:SCR_001328)

Resource Information

URL: <http://itb.biologie.hu-berlin.de/~futschik/software/R/cycle/index.html>

Proper Citation: CYCLE (RRID:SCR_001328)

Description: Software package for the identification of periodically expressed genes using Fourier analysis and the statistical assessment of significance using different background models.

Abbreviations: CYCLE

Resource Type: software resource

Defining Citation: [PMID:18310054](https://pubmed.ncbi.nlm.nih.gov/18310054/)

Keywords: r, microarray, time course, periodic expression pattern, time-series, bio.tools

Funding:

Availability: GNU General Public License, v2

Resource Name: CYCLE

Resource ID: SCR_001328

Alternate IDs: OMICS_02010, biotools:cycle

Alternate URLs: <http://www.bioconductor.org/packages/release/bioc/html/cycle.html>,
<https://bio.tools/cycle>

Record Creation Time: 20220129T080206+0000

Ratings and Alerts

No rating or validation information has been found for CYCLE.

No alerts have been found for CYCLE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Bzducha-Wróbel A, et al. (2024) How do the carbon and nitrogen sources affect the synthesis of α -(1,3/1,6)-glucan, its structure and the susceptibility of *Candida utilis* yeast cells to immunolabelling with α -(1,3)-glucan monoclonal antibodies? *Microbial cell factories*, 23(1), 28.

Billing AM, et al. (2024) Metabolic Communication by SGLT2 Inhibition. *Circulation*, 149(11), 860.

Su G, et al. (2024) Investigation of the Mechanism of SEMA5A and Its Associated Autophagy-Related Genes in Gastric Cancer. *International journal of general medicine*, 17, 4101.

Heels-Ansdell D, et al. (2024) Early In-Bed Cycle Ergometry With Critically Ill, Mechanically Ventilated Patients: Statistical Analysis Plan for CYCLE (Critical Care Cycling to Improve Lower Extremity Strength), an International, Multicenter, Randomized Clinical Trial. *JMIR research protocols*, 13, e54451.

Kho ME, et al. (2023) Critical Care Cycling to Improve Lower Extremity Strength (CYCLE): protocol for an international, multicentre randomised clinical trial of early in-bed cycling for mechanically ventilated patients. *BMJ open*, 13(6), e075685.

Kim J, et al. (2023) Factors Associated With Online Patient-Provider Communications Among Cancer Survivors in the United States During COVID-19: Cross-sectional Study. *JMIR cancer*, 9, e44339.

Becker-Krail DD, et al. (2022) Astrocyte Molecular Clock Function in the Nucleus Accumbens Is Important for Reward-Related Behavior. *Biological psychiatry*, 92(1), 68.

Lei Y, et al. (2021) Cerebellar contribution to sensorimotor adaptation deficits in humans with spinal cord injury. *Scientific reports*, 11(1), 2507.

Weninger BMH, et al. (2021) Neutron Diffraction Study of a Sintered Iron Electrode In Operando. *The journal of physical chemistry. C, Nanomaterials and interfaces*, 125(30), 16391.

Bennett GG, et al. (2021) Optimizing an Obesity Treatment Using the Multiphase Optimization Strategy Framework: Protocol for a Randomized Factorial Trial. *JMIR research protocols*, 10(1), e19506.

Kim YS, et al. (2021) Correcting signal biases and detecting regulatory elements in STARR-seq data. *Genome research*, 31(5), 877.

Litovchenko M, et al. (2021) Extensive tissue-specific expression variation and novel regulators underlying circadian behavior. *Science advances*, 7(5).

Christidis T, et al. (2019) Low concentrations of fine particle air pollution and mortality in the Canadian Community Health Survey cohort. *Environmental health : a global access science source*, 18(1), 84.

Egan AE, et al. (2019) Palatable food reduces anxiety-like behaviors and HPA axis responses to stress in female rats in an estrous-cycle specific manner. *Hormones and behavior*, 115, 104557.

Reid JC, et al. (2019) Therapist perceptions of a rehabilitation research study in the intensive care unit: a trinational survey assessing barriers and facilitators to implementing the CYCLE pilot randomized clinical trial. *Pilot and feasibility studies*, 5, 131.

Jessiman-Perreault G, et al. (2019) Household Food Insecurity Narrows the Sex Gap in Five Adverse Mental Health Outcomes among Canadian Adults. *International journal of environmental research and public health*, 16(3).

Jessiman-Perreault G, et al. (2017) The household food insecurity gradient and potential reductions in adverse population mental health outcomes in Canadian adults. *SSM - population health*, 3, 464.

Bauer GR, et al. (2016) Occurrence of multiple mental health or substance use outcomes among bisexuals: a respondent-driven sampling study. *BMC public health*, 16, 497.

Pinault L, et al. (2016) Risk estimates of mortality attributed to low concentrations of ambient fine particulate matter in the Canadian community health survey cohort. *Environmental health : a global access science source*, 15, 18.

Haspel JA, et al. (2014) Circadian rhythm reprogramming during lung inflammation. *Nature communications*, 5, 4753.