Resource Summary Report

Generated by dkNET on Apr 29, 2025

Chlamydomonas Resource Center

RRID:SCR_014960
Type: Tool

Proper Citation

Chlamydomonas Resource Center (RRID:SCR_014960)

Resource Information

URL: http://www.chlamycollection.org/

Proper Citation: Chlamydomonas Resource Center (RRID:SCR_014960)

Description: Central repository that receives, catalogs, preserves, and distributes wild type and mutant cultures of the green alga Chlamydomonas reinhardtii, as well as useful molecular reagents and kits for education and research.

Abbreviations: CRC

Synonyms: Chlamydomonas Resource Center (CRC)

Resource Type: material resource, biomaterial supply resource, organism supplier

Keywords: Chlamydomonas reinhardtii, green alga, chloroplast, flagellar assembly, chloroplast genomes, catalog, FASEB list

Funding: NSF 0951671;
NSF 00017383

Availability: Commercially available

Resource Name: Chlamydomonas Resource Center

Resource ID: SCR_014960

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250429T055715+0000

Ratings and Alerts

No rating or validation information has been found for Chlamydomonas Resource Center.

No alerts have been found for Chlamydomonas Resource Center.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 130 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Melero-Cobo X, et al. (2025) MoCloro: an extension of the Chlamydomonas reinhardtii modular cloning toolkit for microalgal chloroplast engineering. Physiologia plantarum, 177(1), e70088.

Calatrava V, et al. (2024) Genetic evidence for algal auxin production in Chlamydomonas and its role in algal-bacterial mutualism. iScience, 27(1), 108762.

Li A, et al. (2024) Structural basis for an early stage of the photosystem II repair cycle in Chlamydomonas reinhardtii. Nature communications, 15(1), 5211.

Sakato-Antoku M, et al. (2024) Methylation of ciliary dynein motors involves the essential cytosolic assembly factor DNAAF3/PF22. Proceedings of the National Academy of Sciences of the United States of America, 121(5), e2318522121.

Liu X, et al. (2024) The role of the pigment-protein complex LHCBM1 in nonphotochemical quenching in Chlamydomonas reinhardtii. Plant physiology, 194(2), 936.

Poulhazan A, et al. (2024) Molecular-level architecture of Chlamydomonas reinhardtii's glycoprotein-rich cell wall. Nature communications, 15(1), 986.

Fu G, et al. (2024) The MBO2/FAP58 heterodimer stabilizes assembly of inner arm dynein b and reveals axoneme asymmetries involved in ciliary waveform. Molecular biology of the cell, 35(5), ar72.

Schmelling NM, et al. (2024) What is holding back cyanobacterial research and applications? A survey of the cyanobacterial research community. Nature communications, 15(1), 6758.

Rolo D, et al. (2024) CO-EXPRESSED WITH PSI ASSEMBLY1 (CEPA1) is a photosystem I assembly factor in Arabidopsis. The Plant cell, 36(10), 4179.

Lauritano C, et al. (2024) Salinity Stress Acclimation Strategies in Chlamydomonas sp.

Revealed by Physiological, Morphological and Transcriptomic Approaches. Marine drugs, 22(8).

Findinier J, et al. (2024) Dramatic Changes in Mitochondrial Subcellular Location and Morphology Accompany Activation of the CO2 Concentrating Mechanism. bioRxiv : the preprint server for biology.

Sayer AP, et al. (2024) Conserved cobalamin acquisition protein 1 is essential for vitamin B12 uptake in both Chlamydomonas and Phaeodactylum. Plant physiology, 194(2), 698.

Peltier G, et al. (2024) Alternative electron pathways of photosynthesis power green algal CO2 capture. The Plant cell, 36(10), 4132.

Penny GM, et al. (2024) Gene dosage of independent dynein arm motor preassembly factors influences cilia assembly in Chlamydomonas reinhardtii. PLoS genetics, 20(3), e1011038.

Geng S, et al. (2023) A conserved RWP-RK transcription factor VSR1 controls gametic differentiation in volvocine algae. Proceedings of the National Academy of Sciences of the United States of America, 120(29), e2305099120.

Kreis E, et al. (2023) TurboID reveals the proxiomes of Chlamydomonas proteins involved in thylakoid biogenesis and stress response. Plant physiology, 193(3), 1772.

Saravanan S, et al. (2023) In vivo imaging reveals independent intraflagellar transport of the nexin-dynein regulatory complex subunits DRC2 and DRC4. Molecular biology of the cell, 34(2), br2.

Zou S, et al. (2023) Microalgal glycerol-3-phosphate acyltransferase role in galactolipids and high-value storage lipid biosynthesis. Plant physiology, 192(1), 426.

Caspari OD, et al. (2023) Converting antimicrobial into targeting peptides reveals key features governing protein import into mitochondria and chloroplasts. Plant communications, 4(4), 100555.

Kreis E, et al. (2023) CLPB3 is required for the removal of chloroplast protein aggregates and thermotolerance in Chlamydomonas. Journal of experimental botany, 74(12), 3714.