

[Inici](#) > Vibrational resonances and CuB displacement controlled by proton motion in cytochrome c oxidase.

---

## Vibrational resonances and CuB displacement controlled by proton motion in cytochrome c oxidase.

**Authors:** [Daskalakis, Vangelis](#) / [Farantos, Stavros](#) / [Guallar, Victor](#) / [Varotsis, Constantinos](#)

**Publication:** The journal of physical chemistry. B

**Volume / Pagination:** 114 / 1136-43

**Paraules clau:** [Catalytic Domain](#), [Electron Transport Complex IV](#), [Molecular Dynamics Simulation](#), [Paracoccus denitrificans](#), [Protons](#), [Quantum Theory](#)

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---

**Source URL (retrieved on 12 mai 2025 - 12:33):** <https://www.bsc.es/ca/research-and-development/publications/vibrational-resonances-and-cub-displacement-controlled-proton>