Resource Summary Report

Generated by kravitz2 on Sep 18, 2026

ORCA

RRID:SCR_012097
Type: Tool

Proper Citation

ORCA (RRID:SCR_012097)

Resource Information

URL: http://sourceforge.net/projects/exorca/

Proper Citation: ORCA (RRID:SCR_012097)

Description: A Matlab package extending the scope of established COBRA metabolic modelling.

Resource Type: software resource

Defining Citation: PMID:24336807

Keywords: software package, matlab

Availability: Free for academic use

Resource Name: ORCA

Resource ID: SCR_012097

Alternate IDs: OMICS_05191

Record Creation Time: 20220129T080308+0000

Record Last Update: 20260912T195745+0000

Ratings and Alerts

No rating or validation information has been found for ORCA.

No alerts have been found for ORCA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1540 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Sordyl D, et al. (2026) MODOMICS: a database of RNA modifications and related information. 2025 update and 20th anniversary. Nucleic acids research, 54(D1), D219.

Bollmeyer MM, et al. (2026) Insights into the initial steps of the thiamin pyrimidine synthase (ThiC)-catalyzed reaction through EPR spectroscopic characterization of radical intermediates. Chemical science, 17(3), 1624.

Fachini LG, et al. (2026) Quantitative Analysis of Metal-Centered ?-Holes in {TM(cyclen)}2+ Complexes. Inorganic chemistry, 65(20), 11378.

Valerio LR, et al. (2026) Electronic Properties of a Structural Model of Single-Atom Co-Adsorption to MoS2 Edge Sites. Inorganic chemistry, 65(23), 13265.

Shajan A, et al. (2026) Molecular Quantum Computations on a Protein. Journal of chemical theory and computation, 22(12), 6041.

Alangari M, et al. (2026) Comparative investigation of uridine and Hachimoji RNA base interaction with single-walled carbon nanotube. Journal of molecular modeling, 32(5).

Hassan N, et al. (2026) Stabilizing [Ru(bpy)3]3+ at room-temperature in a hybrid crystal with unusual luminescence and ultralow thermal conductivity. Nature communications, 17(1).

Mates-Torres E, et al. (2026) Low-energy glycine formation and spectral masking in star-forming regions. Communications chemistry, 9(1), 68.

das Neves MVG, et al. (2026) Ruthenium Complexes Containing Thiobenzamide Act as Potent and Selective Anti-Trypanosoma cruzi Agents through Apoptotic Cell Death. ACS infectious diseases, 12(2), 693.

Pugliese ER, et al. (2026) Inverse-Sandwich Rare Earth Metal Complexes Comprising a Planar Toluene Dianion. Inorganic chemistry, 65(2), 1172.

Osoro EK, et al. (2026) Integrated in silico and in vivo larvicidal evaluation of compounds targeting juvenile hormone for malaria vector control. PloS one, 21(6), e0352147.

Toledo VH, et al. (2026) Long-Lived Charge Separation and Ionosolvatochromism of Methylene Blue. ACS omega, 11(22), 32666.

Karatchobanov V, et al. (2026) Novel Pyrrole-Based Hydrazide-Hydrazones: Synthesis, In Vitro Evaluation of Antioxidant and Neuroprotective Activity, In Silico ADME, and DFT Studies. Antioxidants (Basel, Switzerland), 15(6).

Amadea G, et al. (2026) Systems Biology and Atomistic Simulations Reveal Multi-Target Modulation of Alzheimer's Disease and Type 2 Diabetes by Caesalpinia sappan Bioactives. International journal of molecular sciences, 27(12).

Ivancevic MR, et al. (2026) Maximizing Room-Temperature Red Phosphorescence in Contorted Hexabenzocoronene Derivatives. Chemistry of materials : a publication of the American Chemical Society, 38(11), 5753.

Maia PP, et al. (2026) Predicting enantiomer migration order of levobunolol via sequential computational modeling. Journal of molecular modeling, 32(7).

Parashchuk OD, et al. (2026) Effect of Electron-Withdrawing Substituents on Raman Spectra of Diaryl-BTBT Derivatives. International journal of molecular sciences, 27(11).

Pagliero MC, et al. (2026) Investigating Cu(II) Complexes for MRI: A Comprehensive Approach Using EPR, Relaxometry, and Computational Modeling. Inorganic chemistry, 65(10), 5639.

Filimonov DA, et al. (2026) Structural Descriptors and Antioxidant Activity Markers of 4-[4-(2-Aminoethoxy)benzyl]aniline. Antioxidants (Basel, Switzerland), 15(2).

Álvarez-Barajas JJ, et al. (2026) Synthesis, Antioxidant Activity, and Structure Analysis Relationship Study of Silyl-Alkylthioetheres from 2-Mercaptobenzimidazole. Molecules (Basel, Switzerland), 31(4).