Resource Summary Report

Generated by dkNET on Apr 23, 2025

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

Funding:

Availability: Free for academic use

Resource Name: ORCA

Resource ID: SCR_012097

Alternate IDs: OMICS_05191

Record Creation Time: 20220129T080308+0000

Record Last Update: 20250420T014606+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 1047 mentions in open access literature.

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

Kehl A, et al. (2025) Frequency and time domain 19F ENDOR spectroscopy: role of nuclear dipolar couplings to determine distance distributions. Physical chemistry chemical physics : PCCP, 27(3), 1415.

Nová?ek M, et al. (2025) PM6-ML: The Synergy of Semiempirical Quantum Chemistry and Machine Learning Transformed into a Practical Computational Method. Journal of chemical theory and computation, 21(2), 678.

Sugimori R, et al. (2025) Stacked-ring aromaticity from the viewpoint of the effective number of ?-electrons. Chemical science, 16(4), 1707.

Yang C, et al. (2025) A multifunctional quasi-solid-state polymer electrolyte with highly selective ion highways for practical zinc ion batteries. Nature communications, 16(1), 183.

Wang W, et al. (2025) Metal-free production of natural blue colorants through anthocyanin-protein interactions. Journal of advanced research, 68, 17.

Urrutia-Ortega IM, et al. (2025) Full-spectrum cannabidiol reduces UVB damage through the inhibition of TGF-?1 and the NLRP3 inflammasome. Photochemistry and photobiology, 101(1), 83.

Jhun BH, et al. (2025) The degradation mechanism of multi-resonance thermally activated delayed fluorescence materials. Nature communications, 16(1), 392.

Finelli V, et al. (2025) Synthesis of a mixed-linker Ce-UiO-67 metal-organic framework. RSC applied interfaces, 2(1), 130.

Swift SJ, et al. (2025) A SIFT Study of Reactions of Positive and Negative Ions With Polyfluoroalkyl (PFAS) Molecules in Dry and Humid Nitrogen at 393?K. Rapid communications in mass spectrometry : RCM, 39(6), e9975.

Gutiérrez-Muñoz C, et al. (2025) Annexin A8 deficiency delays atherosclerosis progression. Clinical and translational medicine, 15(1), e70176.

Pu Y, et al. (2025) Sulfur-locked multiple resonance emitters for high performance orange-red/deep-red OLEDs. Nature communications, 16(1), 332.

Paiva P, et al. (2025) Unveiling the enzymatic pathway of UMG-SP2 urethanase: insights into polyurethane degradation at the atomic level. Chemical science, 16(5), 2437.

Montenegro-Pohlhammer N, et al. (2025) Mechanisms for the Spin-State Switching of Strapped Ni-Porphyrin Complexes Deposited on Metal Surfaces: Insights from Quantum Chemical Calculations. Small (Weinheim an der Bergstrasse, Germany), 21(2), e2406313.

Jin PB, et al. (2025) Rare earth benzene tetraanion-bridged amidinate complexes. Chemical science, 16(4), 1907.

Barchenko M, et al. (2025) Biomimetic [MFe3S4]3+ Cubanes (M = V/Mo) as Catalysts for a Fischer-Tropsch-like Hydrocarbon Synthesis?A Computational Study. Inorganic chemistry, 64(1), 479.

Yin C, et al. (2025) Ultra-low power-consumption OLEDs via phosphor-assisted thermally-activated-delayed-fluorescence-sensitized narrowband emission. Nature communications, 16(1), 30.

Bo?a R, et al. (2025) Quantum chemical study of molecular properties of small branched-chain amino acids in water. Amino acids, 57(1), 11.

Repina OV, et al. (2025) AuIII Acyclic (Amino)(N-Pyridinium)carbenoids: Synthesis via Addition of 2-PySeCl to AuI-Bound Isonitriles, Structures, and Cytotoxicity. International journal of molecular sciences, 26(2).

Takeyama T, et al. (2025) A Series of AnVIO22+ Complexes (An = U, Np, Pu) with N3O2-Donating Schiff-Base Ligands: Systematic Trends in the Molecular Structures and Redox Behavior. Inorganic chemistry, 64(3), 1313.

Yin ZB, et al. (2025) Construction of N-E bonds via Lewis acid-promoted functionalization of chromium-dinitrogen complexes. Nature communications, 16(1), 674.