

Resource Summary Report

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Gaussian

RRID:SCR_014897

Type: Tool

Proper Citation

Gaussian (RRID:SCR_014897)

Resource Information

URL: <http://gaussian.com/>

Proper Citation: Gaussian (RRID:SCR_014897)

Description: Software program for electronic structure modeling that enables researchers to study and predict the properties of molecules and reactions under a wide range of conditions, especially those that are difficult or impossible to observe experimentally.

Resource Type: software application, software resource

Keywords: electronic structure modeling, simulation, visualization

Availability: Commercial

Resource Name: Gaussian

Resource ID: SCR_014897

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260810T040634+0000

Ratings and Alerts

No rating or validation information has been found for Gaussian.

No alerts have been found for Gaussian.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 642 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Li J, et al. (2026) High-reactivity precursor C₂N₃H and its photo-induced stepwise growth toward 2D graphitic carbon nitride clusters. *iScience*, 29(3), 114933.

Li C, et al. (2026) Ultrahigh High-temperature Capacitive Energy Storage Via Proton Irradiation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(9), e22035.

Afzal M, et al. (2026) Integrated experimental and computational evaluation of Anagallis foemina derived terpenoids against carbapenem resistant *Acinetobacter baumannii*. *Scientific reports*, 16(1).

El-Maksoud SAA, et al. (2026) Effect of alkyl chain length on the corrosion inhibition performance of 2-thioxo-2,3-dihydroquinazolin-4(1H)-one derivatives for carbon steel in HCl solution. *Scientific reports*, 16(1).

Orji JN, et al. (2026) Synthesis, characterization, DFT and in silico anti-ulcer activities of novel sulphonamide derivatives. *Scientific reports*, 16(1).

Taspinar F, et al. (2026) Design, synthesis, and mechanistic evaluation of propargylated salicylaldehyde derivatives as dual apoptosis-autophagy modulator for pancreatic cancer. *Naunyn-Schmiedeberg's archives of pharmacology*, 399(8), 11785.

Schmidt-Dannert M, et al. (2026) Docking in the *Abies grandis* abietaenol synthase to investigate the mechanism underlying conifer resin acid diterpene synthase evolution. *The Biochemical journal*, 483(3), 365.

Abdel-Megid M, et al. (2026) Chemical reactivity of 2-methylchromone with some nitrogen-based nucleophiles: reactions, DFT analysis, anticancer activity and molecular docking studies. *RSC advances*, 16(7), 5814.

Braga E, et al. (2026) Zinc(II) Coordination Compounds on Acylhydrazones of 2-Tosylaminobenzaldehyde Basis as Promising Luminescent Agents. *International journal of molecular sciences*, 27(4).

Valdivieso Zárate LM, et al. (2026) Computational and Chemical Analysis of the Oxygen Atom Transfer Process of a Dioxo-Molybdenum Complex Incorporated into a Modified UiO-67 (Zr/Ti). *ACS organic & inorganic Au*, 6(3), 288.

Badran AS, et al. (2026) Experimental, spectroscopic, thermodynamic, and DFT study of a novel cyanomethylchrome nopyridinecarbonitrile (CCPC). *Scientific reports*, 16(1).

Chen L, et al. (2026) Electric-field-driven CO₂ polarization and bioinspired proton blocking unlock CO₂ reduction in strong acid without metal cations. *Nature communications*, 17(1), 1734.

Sun F, et al. (2026) Rotational Detection of the Missing Conformers of 2-Chloropropionic Acid. *The journal of physical chemistry. A*, 130(4), 836.

Liu L, et al. (2026) Localization of the Au-Au bond strength in the triplet excited state of the [Au(CN)₂]⁻ oligomers revealed by ultrafast time-domain Raman spectroscopy. Chemical science, 17(5), 2676.

Mozejko P, et al. (2026) On the Calculations of Electron Impact Ionization Cross-Sections for Selected Nucleosides and Deoxyribose Molecules. Molecules (Basel, Switzerland), 31(11).

Li Y, et al. (2026) Quadruple Bonding of Alkaline Earth Atoms in AeCLi₄ (Ae = Be - Ba) Complexes. Journal of computational chemistry, 47(18), e70449.

Williams LJ, et al. (2026) Can ferric-oxyl excited states explain elongated iron-oxygen bonds in heme peroxidase catalytic intermediates? Nature communications, 17(1).

Tran NT, et al. (2026) Photodissociation and electron-collision induced dissociation of C₅H₂F₁₀ using photoelectron-photoion coincidence spectroscopy and quantum chemistry. Scientific reports, 16(1), 5312.

Farinha AFM, et al. (2026) Quartz Crystal Microbalance Sensitivity Loss During Ionic Liquid Deposition: Insights into Film Structure and Morphology. Chemphyschem : a European journal of chemical physics and physical chemistry, 27(7), e70349.

Yang B, et al. (2026) Host-guest strategy for full-visible-spectrum piezochromism in halogen-bonded organic frameworks. Nature communications, 17(1), 1682.