

Resource Summary Report

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Bruker OPUS

RRID:SCR_025806

Type: Tool

Proper Citation

Bruker OPUS (RRID:SCR_025806)

Resource Information

URL: <https://www.bruker.com/es/products-and-solutions/infrared-and-raman/opus-spectroscopy-software/release-overview.html#accordion-1e89899198-item-06b2720261>

Proper Citation: Bruker OPUS (RRID:SCR_025806)

Description: Software developed by Bruker for analysis and processing of spectroscopic data. Used for measurement, processing and evaluation of IR, NIR and Raman spectra.

Synonyms: OPUS 8.2, OPUS

Resource Type: software resource, software application

Keywords: Bruker, spectroscopic data, measurement, processing, evaluation, IR, NIR, Raman, spectra

Availability: Restricted

Resource Name: Bruker OPUS

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Alternate URLs: <https://www.bruker.com/en/products-and-solutions/infrared-and-raman/opus-spectroscopy-software/downloads.html>

Record Creation Time: 20240928T053310+0000

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Ratings and Alerts

No rating or validation information has been found for Bruker OPUS.

No alerts have been found for Bruker OPUS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Salvador-Mira M, et al. (2025) Viral vaccines promote endoplasmic reticulum stress-induced unfolding protein response in teleost erythrocytes. *European journal of cell biology*, 104(2), 151490.

Ritschar S, et al. (2022) Classification of target tissues of *Eisenia fetida* using sequential multimodal chemical analysis and machine learning. *Histochemistry and cell biology*, 157(2), 127.

Moshynets O, et al. (2019) Antibiofilm Activity of Polyamide 11 Modified with Thermally Stable Polymeric Biocide Polyhexamethylene Guanidine 2-Naphtalenesulfonate. *International journal of molecular sciences*, 20(2).

Yang L, et al. (2019) Amyloid-Based Injectable Hydrogel Derived from Hydrolyzed Hen Egg White Lysozyme. *ACS omega*, 4(5), 8071.

Mwanga EP, et al. (2019) Using mid-infrared spectroscopy and supervised machine-learning to identify vertebrate blood meals in the malaria vector, *Anopheles arabiensis*. *Malaria journal*, 18(1), 187.

Kopečná M, et al. (2019) Esters of terpene alcohols as highly potent, reversible, and low toxic skin penetration enhancers. *Scientific reports*, 9(1), 14617.

Duan P, et al. (2019) 4-Nonylphenol effects on rat testis and sertoli cells determined by spectrochemical techniques coupled with chemometric analysis. *Chemosphere*, 218, 64.

Hameed N, et al. (2018) Graphene based room temperature flexible nanocomposites from permanently cross-linked networks. *Scientific reports*, 8(1), 2803.

Al-Shahrani D, et al. (2018) The Role of Reduced Graphene Oxide toward the Self-Assembly of Lignin-Based Biocomposites Fabricated from Ionic Liquids. *International journal of molecular sciences*, 19(11).

Fry P, et al. (2018) Hybrid Materials Based on L,D-Poly(lactic acid) and Single-Walled Carbon Nanotubes as Flexible Substrate for Organic Devices. *Polymers*, 10(11).

Król J, et al. (2016) Characteristic of Gelatine, Carrageenan and Sodium Alginate Hydrosols Treated by Direct Electric Current. *Polymers*, 8(8).

Bayar N, et al. (2016) Extraction and characterization of three polysaccharides extracted from *Opuntia ficus indica* cladodes. *International journal of biological macromolecules*, 92, 441.

Król ?, et al. (2016) Physicochemical Properties of Biopolymer Hydrogels Treated by Direct Electric Current. *Polymers*, 8(7).

Gorrochategui E, et al. (2016) Perfluoroalkylated Substance Effects in *Xenopus laevis* A6 Kidney Epithelial Cells Determined by ATR-FTIR Spectroscopy and Chemometric Analysis. *Chemical research in toxicology*, 29(5), 924.

Gajjar K, et al. (2014) Histology verification demonstrates that biospectroscopy analysis of cervical cytology identifies underlying disease more accurately than conventional screening: removing the confounder of discordance. *PloS one*, 9(1), e82416.

Doreddula SK, et al. (2014) Phytochemical analysis, antioxidant, antistress, and nootropic activities of aqueous and methanolic seed extracts of ladies finger (*Abelmoschus esculentus* L.) in mice. *TheScientificWorldJournal*, 2014, 519848.

Ahmed Z, et al. (2013) Characterization of new exopolysaccharides produced by coculturing of *L. kefirano*faciens with yoghurt strains. *International journal of biological macromolecules*, 59, 377.

Huson MG, et al. (2012) Controlling the molecular structure and physical properties of artificial honeybee silk by heating or by immersion in solvents. *PloS one*, 7(12), e52308.

Litvinov RI, et al. (2012) The α -helix to β -sheet transition in stretched and compressed hydrated fibrin clots. *Biophysical journal*, 103(5), 1020.

Rathod R, et al. (2012) Side-chain specific isotopic labeling of proteins for infrared structural biology: the case of ring-D4-tyrosine isotope labeling of photoactive yellow protein. *Protein expression and purification*, 85(1), 125.