Resource Summary Report

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Matplotlib

RRID:SCR_008624
Type: Tool

Proper Citation

Matplotlib (RRID:SCR_008624)

Resource Information

URL: https://matplotlib.org

Proper Citation: Matplotlib (RRID:SCR_008624)

Description: Python 2D plotting library which produces publication quality figures in variety of hardcopy formats and interactive environments across platforms. Used in python scripts, web application servers, and six graphical user interface toolkits. Used to generate plots, histograms, power spectra, bar charts, error charts, scatter plots.

Synonyms: MatPlotLib

Resource Type: software library, software resource, software toolkit

Keywords: 2D plotting library, plot, histogram, power spectra, bar chart, error chart, scatter plot

Funding:

Availability: Free, Available for download, Freely available

Resource Name: Matplotlib

Resource ID: SCR_008624

Alternate IDs: nif-0000-31991

Alternate URLs: http://matplotlib.sourceforge.net

License: PSF license

Record Creation Time: 20220129T080248+0000

Record Last Update: 20250416T063525+0000

Ratings and Alerts

No rating or validation information has been found for Matplotlib.

No alerts have been found for Matplotlib.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5707 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zhang J, et al. (2025) Measuring Metabolic Changes in Cancer Cells Using Two-Photon Fluorescence Lifetime Imaging Microscopy and Machine-Learning Analysis. Journal of biophotonics, 18(1), e202400426.

Gur ER, et al. (2025) scATAC-seq generates more accurate and complete regulatory maps than bulk ATAC-seq. Scientific reports, 15(1), 3665.

Brlek P, et al. (2025) Exploring the Pharmacogenomic Map of Croatia: PGx Clustering of 522-Patient Cohort Based on UMAP + HDBSCAN Algorithm. International journal of molecular sciences, 26(2).

Toader C, et al. (2025) Clinical Presentation, Treatment Outcomes, and Demographic Trends in Vestibular Schwannomas: A 135-Case Retrospective Study. Journal of clinical medicine, 14(2).

Tang G, et al. (2025) Metagenomic estimation of absolute bacterial biomass in the mammalian gut through host-derived read normalization. bioRxiv : the preprint server for biology.

Petrychenko V, et al. (2025) Structural basis for translational control by the human 48S initiation complex. Nature structural & molecular biology, 32(1), 62.

Malik IH, et al. (2025) Monitoring climate change vulnerability in the Himalayas. Ambio, 54(1), 1.

Sedgwick R, et al. (2025) Transfer learning Bayesian optimization for competitor DNA

molecule design for use in diagnostic assays. Biotechnology and bioengineering, 122(1), 189.

Fuderer M, et al. (2025) Color-map recommendation for MR relaxometry maps. Magnetic resonance in medicine, 93(2), 490.

Martinetti S, et al. (2025) Contrasting the soil-plant hydraulics of beech and spruce by linking root water uptake to transpiration dynamics. Tree physiology, 45(1).

Lv JQ, et al. (2025) Augmented machine learning for sewage quality assessment with limited data. Environmental science and ecotechnology, 23, 100512.

Kolokouris D, et al. (2025) The Role of Cholesterol in M2 Clustering and Viral Budding Explained. Journal of chemical theory and computation, 21(2), 912.

Chaurasia AK, et al. (2025) A generalised computer vision model for improved glaucoma screening using fundus images. Eye (London, England), 39(1), 109.

Daniel-Hertz E, et al. (2025) An Eccentricity Gradient Reversal across High-Level Visual Cortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(2).

Fruchard L, et al. (2025) Aminoglycoside tolerance in Vibrio cholerae engages translational reprogramming associated with queuosine tRNA modification. eLife, 13.

Edwards LS, et al. (2025) A deep learning approach versus expert clinician panel in the classification of posterior circulation infarction. NeuroImage. Clinical, 45, 103732.

Guccione C, et al. (2025) Incomplete human reference genomes can drive false sex biases and expose patient-identifying information in metagenomic data. Nature communications, 16(1), 825.

Xiao B, et al. (2025) Deep learning-based assessment of missense variants in the COG4 gene presented with bilateral congenital cataract. BMJ open ophthalmology, 10(1).

Sahoo A, et al. (2025) Congestion avoidance in 6G networks with V Gradient Geocast Routing Protocol. Scientific reports, 15(1), 595.

Puller V, et al. (2025) Impact of simulation and reference catalogues on the evaluation of taxonomic profiling pipelines. Microbial genomics, 11(1).