Resource Summary Report

Generated by dkNET on Apr 15, 2025

NumPy

RRID:SCR_008633
Type: Tool

Proper Citation

NumPy (RRID:SCR_008633)

Resource Information

URL: http://www.numpy.org

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Description: NumPy is the fundamental package needed for scientific computing with Python. It contains among other things: * a powerful N-dimensional array object * sophisticated (broadcasting) functions * tools for integrating C/C and Fortran code * useful linear algebra, Fourier transform, and random number capabilities. Besides its obvious scientific uses, NumPy can also be used as an efficient multi-dimensional container of generic data. Arbitrary data-types can be defined. This allows NumPy to seamlessly and speedily integrate with a wide variety of databases. Sponsored by ENTHOUGHT

Synonyms: NumPy

Resource Type: software resource

Keywords: FASEB list

Funding:

Resource Name: NumPy

Resource ID: SCR_008633

Alternate IDs: nif-0000-32013

Record Creation Time: 20220129T080248+0000

Record Last Update: 20250410T065728+0000

Ratings and Alerts

No rating or validation information has been found for NumPy.

No alerts have been found for NumPy.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4768 mentions in open access literature.

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

Nanou E, et al. (2025) Detection of Adulteration of Extra Virgin Olive Oil via Laser-Induced Breakdown Spectroscopy and Ultraviolet-Visible-Near-Infrared Absorption Spectroscopy: A Comparative Study. Foods (Basel, Switzerland), 14(2).

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).

Zuo M, et al. (2025) Evaluation of Machine Learning Algorithms for Classification of Visual Stimulation-Induced EEG Signals in 2D and 3D VR Videos. Brain sciences, 15(1).

Astolfi M, et al. (2025) MOX Nanosensors to Detect Colorectal Cancer Relapses from Patient's Blood at Three Years Follow-Up, and Gender Correlation. Biosensors, 15(1).

Ramani RS, et al. (2025) Convolutional neural networks for accurate real-time diagnosis of oral epithelial dysplasia and oral squamous cell carcinoma using high-resolution in vivo confocal microscopy. Scientific reports, 15(1), 2555.

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.

Johnson SR, et al. (2025) Domainator, a flexible software suite for domain-based annotation and neighborhood analysis, identifies proteins involved in antiviral systems. Nucleic acids research, 53(2).

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.

Wu Y, et al. (2025) Hotspots of genetic change in Yersinia pestis. Nature communications, 16(1), 388.

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

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).

Pinedo-Diaz G, et al. (2025) Deep Learning-Based SD-OCT Layer Segmentation Quantifies Outer Retina Changes in Patients With Biallelic RPE65 Mutations Undergoing Gene Therapy. Investigative ophthalmology & visual science, 66(1), 5.

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

Kloock T, et al. (2025) Scaling of quantitative cardiomyocyte properties in the left ventricle of different mammalian species. The Journal of experimental biology, 228(1).

Zupan H, et al. (2025) Toward Grid-Based Models for Molecular Association. Journal of chemical theory and computation, 21(2), 614.

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

Bremnes F, et al. (2025) Measuring fluid balance in end-stage renal disease with a wearable bioimpedance sensor. BMC nephrology, 26(1), 14.

Wu Z, et al. (2025) FormulationBCS: A Machine Learning Platform Based on Diverse Molecular Representations for Biopharmaceutical Classification System (BCS) Class Prediction. Molecular pharmaceutics, 22(1), 330.