Resource Summary Report

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Python Programming Language

RRID:SCR_008394
Type: Tool

Proper Citation

Python Programming Language (RRID:SCR_008394)

Resource Information

URL: http://www.python.org/

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Description: Programming language for all operating systems that lets users work more quickly and integrate their systems more effectively. Often compared to Tcl, Perl, Ruby, Scheme or Java. Some of its key distinguishing features include very clear and readable syntax, strong introspection capabilities, intuitive object orientation, natural expression of procedural code, full modularity, exception-based error handling, high level dynamic data types, extensive standard libraries and third party modules for virtually every task, extensions and modules easily written in C, C (or Java for Python, or .NET languages for IronPython), and embeddable within applications as a scripting interface.

Synonyms: Python3, Python

Resource Type: software resource, programming language

Keywords: programming language

Funding:

Availability: Free, Public, Freely available

Resource Name: Python Programming Language

Resource ID: SCR_008394

Alternate IDs: nif-0000-30053

License: Open Source licence

Record Creation Time: 20220129T080247+0000

Record Last Update: 20250519T204920+0000

Ratings and Alerts

No rating or validation information has been found for Python Programming Language.

No alerts have been found for Python Programming Language.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1988 mentions in open access literature.

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

Ye K, et al. (2025) Machine learning-based radiomic features of perivascular adipose tissue in coronary computed tomography angiography predicting inflammation status around atherosclerotic plaque: a retrospective cohort study. Annals of medicine, 57(1), 2431606.

Yun S, et al. (2025) The longitudinal behavioral effects of acute exposure to galactic cosmic radiation in female C57BL/6J mice: Implications for deep space missions, female crews, and potential antioxidant countermeasures. Journal of neurochemistry, 169(1), e16225.

Kuett L, et al. (2025) Distant Metastases of Breast Cancer Resemble Primary Tumors in Cancer Cell Composition but Differ in Immune Cell Phenotypes. Cancer research, 85(1), 15.

Qian L, et al. (2025) CECT-Based Radiomic Nomogram of Different Machine Learning Models for Differentiating Malignant and Benign Solid-Containing Renal Masses. Journal of multidisciplinary healthcare, 18, 421.

Warwick J, et al. (2025) Cardiorespiratory demands of firearms training instruction and 15m shuttle tests in British law enforcement. PloS one, 20(1), e0300161.

Knechtle B, et al. (2025) The fastest nonprofessional age group IRONMAN triathletes in the world originate from Europe. Scientific reports, 15(1), 1028.

Locantore J, et al. (2025) Mixed representations of choice direction and outcome by GABA/glutamate cotransmitting neurons in the entopeduncular nucleus. eLife, 13.

Battiola T, et al. (2025) Patient and provider factors associated with follow-up for positive depression screens in adults: a retrospective review of University of Utah primary and specialty care clinics. BMJ open, 15(1), e088973.

Bullock L, et al. (2025) Supplementary motor area in speech initiation: A large-scale intracranial EEG evaluation of stereotyped word articulation. iScience, 28(1), 111531.

Requena-Mullor JM, et al. (2025) Communicating the interdependence of human, animal, and environmental health on X (formerly Twitter): Insights from the one health approach. iScience, 28(1), 111606.

Owen CM, et al. (2025) Artificial intelligence driven clustering of blood pressure profiles reveals frailty in orthostatic hypertension. Experimental physiology, 110(2), 230.

Zeng J, et al. (2025) Protocol for genetic analysis of population-scale ultra-low-depth sequencing data. STAR protocols, 6(1), 103579.

Gul L, et al. (2025) Protocol for predicting host-microbe interactions and their downstream effect on host cells using MicrobioLink. STAR protocols, 6(1), 103570.

Myszczynski K, et al. (2025) In-Depth Analysis of miRNA Binding Sites Reveals the Complex Response of Uterine Epithelium to miR-26a-5p and miR-125b-5p During Early Pregnancy. Molecular & cellular proteomics : MCP, 24(1), 100879.

Liu Y, et al. (2025) Enhancing unsupervised learning in medical image registration through scale-aware context aggregation. iScience, 28(2), 111734.

Peralta M, et al. (2025) Endothelial calcium firing mediates the extravasation of metastatic tumor cells. iScience, 28(2), 111690.

Holden JM, et al. (2025) Chronic hyperglycemia alters retinal astrocyte microstructure and uptake of cholera toxin B in a murine model of diabetes. Journal of neurochemistry, 169(1), e16237.

Shi M, et al. (2025) Equitable artificial intelligence for glaucoma screening with fair identity normalization. NPJ digital medicine, 8(1), 46.

Fuchs X, et al. (2025) Rescaling perceptual hand maps by visual-tactile recalibration. The European journal of neuroscience, 61(1), e16571.

Ostermeyer-Fay AG, et al. (2025) The steady-state level of plasma membrane ceramide is regulated by neutral sphingomyelinase 2. Journal of lipid research, 66(1), 100719.