

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: programming language, software resource

Keywords: programming language

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: 20260801T191041+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 2373 mentions in open access literature.

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

Wendt FT, et al. (2026) Determination of Ophthalmic Parameters and Ocular Morphology in Ring-Necked Parakeets (*Psittacula krameri*). *Veterinary ophthalmology*, 29(1), e70032.

Khattab K, et al. (2026) Spatial patterns of fat within the deep multifidus as a biomarker for chronic low back pain. *The spine journal : official journal of the North American Spine Society*, 26(1), 106.

Lang C, et al. (2026) Early brain-wide disruption of sleep microarchitecture in amyotrophic lateral sclerosis. *The Journal of clinical investigation*, 136(1).

Scholz P, et al. (2026) Arabidopsis root lipid droplets are hubs for membrane homeostasis under heat stress, and triterpenoid synthesis and storage. *The New phytologist*, 249(2), 892.

Kang Q, et al. (2026) Identification of multimorbidity hub genes for knee osteoarthritis-atherosclerosis and potential clinical applications. *Molecular medicine reports*, 33(1).

Pinto CS, et al. (2026) Actin arginylation alters myosin engagement and F-actin patterning despite structural conservation. *The Journal of cell biology*, 225(1).

Lazare S, et al. (2026) Postoperative Lymph Is a Proximal Source of ctDNA for Detection of Recurrence in HPV-Independent Head and Neck Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(1), 135.

Lovatt C, et al. (2026) Memory engram synapse 3D macromolecular architecture visualized by cryoCLEM-guided cryoET. *Structure (London, England : 1993)*, 34(1), 100.

Petrov VA, et al. (2026) Resistant starch improves Parkinson's disease symptoms through restructuring of the gut microbiome and modulating inflammation. *Brain, behavior, and immunity*, 132, 106217.

Machen B, et al. (2026) The encoding of interoceptive-based predictions by the paraventricular nucleus of the thalamus D2R+ neurons. *iScience*, 29(1), 114390.

Nguyen N, et al. (2026) Transcranial microtesla magnetic fields suppress neuroinflammation and neuronal oxidative stress burden. *iScience*, 29(1), 114425.

Croke H, et al. (2026) *Drosophila* DNp03 descending neurons serve as a hub within a flight saccade network. *Current biology : CB*, 36(1), 133.

Wang R, et al. (2026) Constructing the spatiotemporal atlas of single-cell lineage trajectories in stereotypic biological structures. *iScience*, 29(1), 114307.

Keum D, et al. (2026) Changes in Action Potential Properties in the Ferret Prefrontal Cortex During Adolescence. *The Journal of comparative neurology*, 534(1), e70121.

de Araujo Salgado I, et al. (2026) High-fat food reinforces risk taking by suppressing defensive neurons. *Current biology : CB*, 36(1), 49.

Jang YJ, et al. (2026) Spinal Segmental Position Relative to the Vertebrae in Korean Water Deer and Siberian Roe Deer. *The Journal of comparative neurology*, 534(1), e70124.

Jeong JH, et al. (2026) Population analyses reveal heterogenous encoding in the medial prefrontal cortex during naturalistic foraging. *eLife*, 13.

Park CJ, et al. (2026) Validating DevCheck: a semi-automated computer algorithm for measuring foveal immaturity in premature infants. *Quantitative imaging in medicine and surgery*, 16(1), 5.

Huang Q, et al. (2026) Efficient coding in working memory is adapted to the structure of the environment. *Cell reports*, 45(1), 116861.

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.