

Resource Summary Report

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IPython

RRID:SCR_001658

Type: Tool

Proper Citation

IPython (RRID:SCR_001658)

Resource Information

URL: <http://ipython.org>

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Description: A web-based interactive computational environment where you can combine code execution, text, mathematics, plots and rich media into a single document. It offers a comprehensive library on top of which more sophisticated systems can be built. The project provides an enhanced interactive environment that includes support for data visualization and facilities for distributed and parallel computation.

Abbreviations: IP(y)

Synonyms: IPython Interactive Computing

Resource Type: software resource

Keywords: publication, authoring tool, rich media, parallel computing, data visualization, python, computing, notebook

Funding: US Department of Energy DE-FG02-03ER25583;
DOE-Oak Ridge National Laboratory 4000038129

Availability: Free, Available for download, Freely available

Resource Name: IPython

Resource ID: SCR_001658

Alternate IDs: nlx_153939

License: BSD License

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260801T190146+0000

Ratings and Alerts

No rating or validation information has been found for IPython.

No alerts have been found for IPython.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 341 mentions in open access literature.

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

Schlegel-Pape L, et al. (2026) Recognizing stressed chicken signs: A comparison using the Happy Chicken Tool and the Stressed Chicken Scale. Poultry science, 105(1), 106141.

Cao X, et al. (2026) High-content phenotyping reveals Golgi dynamics and their role in cell cycle regulation. The Journal of cell biology, 225(1).

Portocarrero-Bonifaz A, et al. (2025) Advancing patient care: Machine learning models for predicting grade 3+ toxicities in gynecologic cancer patients treated with HDR brachytherapy. PloS one, 20(5), e0312208.

Lanclos VC, et al. (2025) New isolates refine the ecophysiology of the Roseobacter CHAB-I-5 lineage. ISME communications, 5(1), ycaf068.

Saleh NA, et al. (2025) Harnessing Extracellular Vesicles for Stabilized and Functional IL-10 Delivery in Macrophage Immunomodulation. bioRxiv : the preprint server for biology.

Brooks ER, et al. (2025) A single-cell atlas of spatial and temporal gene expression in the mouse cranial neural plate. eLife, 13.

Zhu K, et al. (2025) Open-Source Anaerobic Digestion Modeling Platform, Anaerobic Digestion Model No. 1 Fast (ADM1F). Biotechnology and bioengineering, 122(4), 792.

Jan F, et al. (2025) Predicting creep failure life in adhesive-bonded single-lap joints using machine learning. Scientific reports, 15(1), 6902.

Anderson C, et al. (2025) Constraints on lanthanide separation by selective biosorption. iScience, 28(5), 112095.

Shang R, et al. (2025) Separable roles for Microprocessor and its cofactors ERH and SAFB1/2 during microRNA cluster assistance. bioRxiv : the preprint server for biology.

Hsu E, et al. (2025) LLM-IE: a python package for biomedical generative information extraction with large language models. JAMIA open, 8(2), ooaf012.

Geiger RS, et al. (2025) Asking an AI for salary negotiation advice is a matter of concern: Controlled experimental perturbation of ChatGPT for protected and non-protected group discrimination on a contextual task with no clear ground truth answers. *PloS one*, 20(2), e0318500.

Park S, et al. (2025) Native nucleosomes intrinsically encode genome organization principles. *Nature*, 643(8071), 572.

Gonfa DK, et al. (2025) A deep learning framework for Ethiopian sign language recognition using skeleton-based representation. *Scientific reports*, 15(1), 36181.

Nair AG, et al. (2025) Presynaptic quantal size enhancement counteracts post-tetanic release depression. *The Journal of physiology*, 603(20), 6051.

Liu X, et al. (2025) Identification of the Hub Gene LDB3 in Stanford Type A Aortic Dissection Based on Comprehensive Bioinformatics Analysis. *Journal of cellular and molecular medicine*, 29(6), e70471.

Keneskhanova Z, et al. (2025) Genomic determinants of antigen expression hierarchy in African trypanosomes. *Nature*, 642(8066), 182.

Dunn CM, et al. (2025) Nascent flagellar basal bodies are immobilized by rod assembly in *Bacillus subtilis*. *mBio*, 16(6), e0053025.

Di Napoli T, et al. (2025) Giving new life to an outdated spectrofluorometer for static and time-resolved UCNPs optical characterization. *Nanoscale advances*, 7(13), 4214.

Shenoy SV, et al. (2025) AlphaCross-XL: A Seamless Tool for Automated and Proteome-Scale Mapping of Cross-Linked Peptides Onto 3D Protein Structures. *Molecular & cellular proteomics : MCP*, 24(10), 101057.