

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: 20260808T185743+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 354 mentions in open access literature.

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

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.

Ofori CK, et al. (2026) Universal progression of structure and dynamics in colloidal nanocrystal gels during salt-accelerated aging. Science advances, 12(11), eaec4820.

Khodajou-Chokami H, et al. (2026) Accurate iodine quantification and residual error reduction with principal component analysis multimaterial decomposition using spectral CT. Medical physics, 53(4), e70407.

Metwally AA, et al. (2026) Insulin resistance prediction from wearables and routine blood biomarkers. Nature, 652(8109), 451.

Malfara MF, et al. (2026) The trypanosomatid dynamin-like protein associates with glycosomes. bioRxiv : the preprint server for biology.

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).

Saleh NA, et al. (2026) Harnessing extracellular vesicles for stabilized and functional IL-10 delivery in macrophage immunomodulation. Extracellular vesicle, 7.

Shang R, et al. (2026) Separable roles for Microprocessor and its cofactors, ERH and SAFB1/2, during microRNA cluster assistance. Genes & development, 40(7-8), 517.

Gelder KL, et al. (2026) CBP-IDRs regulate acetylation and gene expression. Cell reports, 45(3), 117109.

Cooper MR, et al. (2026) Capacity-Limited Failure in Approximate Nearest Neighbor Search on Image Embedding Spaces. Journal of imaging, 12(2).

Aksenov DP, et al. (2026) Assessing chance in neuro-vascular interactions. NeuroImage, 325, 121676.

Wang L, et al. (2025) Common neural dysfunction in psychiatric disorders: Insights from a meta-analysis of resting-state fMRI studies. *Translational psychiatry*, 16(1), 29.

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.

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*.

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.