

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

[astropy](#)

RRID:SCR_018148

Type: Tool

Proper Citation

astropy (RRID:SCR_018148)

Resource Information

URL: <https://www.astropy.org>

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Description: Community software Python library for astronomy. Collection of software packages written in Python programming language for use in astronomy. Package contains key functionality and common tools needed for performing astronomy and astrophysics with Python. Core of Astropy Project, which aims to enable community to develop ecosystem of Affiliated Packages covering broad range of needs for astronomical research, data processing, and data analysis.

Resource Type: project portal, data or information resource, software library, software resource, software toolkit, portal

Defining Citation: [DOI:10.3847/1538-3881/aabc4f](https://doi.org/10.3847/1538-3881/aabc4f), [DOI:10.1051/0004-6361/201322068](https://doi.org/10.1051/0004-6361/201322068)

Keywords: Astronomy, domain specific file format, flexible image transport system file, virtual observatory table, physical quantity conversion, unit conversion, celestial coordinate, data, cosmological transformation framework, cosmological conversion framework

Availability: Free, Available for download, Freely available

Resource Name: astropy

Resource ID: SCR_018148

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260729T044450+0000

Ratings and Alerts

No rating or validation information has been found for astropy.

No alerts have been found for astropy.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Wang W, et al. (2025) Quasi-periodic oscillations of GHz-band polarization in a black hole. Nature communications, 16(1), 5139.

Olguin FA, et al. (2025) Massive extended streamers feed high-mass young stars. Science advances, 11(34), eadw4512.

Ray TP, et al. (2023) Outflows from the youngest stars are mostly molecular. Nature, 622(7981), 48.

Rombouts S, et al. (2023) Multi-scale dynamic imaging reveals that cooperative motility behaviors promote efficient predation in bacteria. Nature communications, 14(1), 5588.

Kao MM, et al. (2023) Resolved imaging confirms a radiation belt around an ultracool dwarf. Nature, 619(7969), 272.

Barho F, et al. (2022) Qudi-HiM: an open-source acquisition software package for highly multiplexed sequential and combinatorial optical imaging. Open research Europe, 2, 46.

Pisokas I, et al. (2022) Anesthesia disrupts distance, but not direction, of path integration memory. Current biology : CB, 32(2), 445.

Cooper K, et al. (2021) NuSTAR observations of a repeatedly microflaring active region. Monthly notices of the Royal Astronomical Society, 507(3), 3936.

Mrestani A, et al. (2021) Active zone compaction correlates with presynaptic homeostatic potentiation. Cell reports, 37(1), 109770.

Christensen AC, et al. (2021) Perineuronal nets stabilize the grid cell network. Nature communications, 12(1), 253.

Burt P, et al. (2021) Principles underlying the complex dynamics of temperature entrainment by a circadian clock. iScience, 24(11), 103370.

Moudgil A, et al. (2020) Self-Reporting Transposons Enable Simultaneous Readout of Gene Expression and Transcription Factor Binding in Single Cells. Cell, 182(4), 992.