Resource Summary Report

Generated by NIF on May 16, 2025

pyFAI

RRID:SCR_024186
Type: Tool

Proper Citation

pyFAI (RRID:SCR_024186)

Resource Information

URL: https://github.com/silx-kit/pyFAI

Proper Citation: pyFAI (RRID:SCR_024186)

Description: Open source Python software package designed to perform azimuthal integration and, correspondingly, two-dimensional regrouping on area-detector frames for small- and wide-angle X-ray scattering experiments.

Synonyms: pyfai, pyFai

Resource Type: software resource, software toolkit, software library

Defining Citation: PMID:25844080

Keywords: perform azimuthal integration, two-dimensional regrouping, area detector frames for small and wide angle X-ray scattering experiments,

Funding:

Availability: Free, Available for download, Freely available,

Resource Name: pyFAI

Resource ID: SCR_024186

Alternate URLs: https://sources.debian.org/src/pyfai/

Record Creation Time: 20230824T050212+0000

Record Last Update: 20250513T062450+0000

Ratings and Alerts

No rating or validation information has been found for pyFAI.

No alerts have been found for pyFAI.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

van Hattem A, et al. (2025) Elucidation of the Off-Center Displaced Mo in Octahedral Coordination in Ba2MoO5. Inorganic chemistry, 64(1), 674.

Massinelli G, et al. (2024) Advanced mapping of inorganic treatments on porous carbonate stones by combined synchrotron radiation high lateral ?XRPD and ?XRF. Scientific reports, 14(1), 9108.

Braz JF, et al. (2023) Fast, Multiple-Use Optical Biosensor for Point-of-Care Glucose Detection with Mobile Devices Based on Bienzyme Cascade Supported on Polyamide 6 Microparticles. Polymers, 15(13).

Guarnieri N, et al. (2023) Imaging and micro-invasive analyses of black stains on the passepartout of Codex Atlanticus Folio 843 by Leonardo da Vinci. Scientific reports, 13(1), 4902.

Bozin ES, et al. (2023) Crystallization of polarons through charge and spin ordering transitions in 1T-TaS2. Nature communications, 14(1), 7055.