

Resource Summary Report

Generated by T1D on Sep 5, 2026

pyFAI

RRID:SCR_024186

Type: Tool

Proper Citation

pyFAI (RRID:SCR_024186)

Resource Information

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

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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 library, software resource, software toolkit

Defining Citation: [PMID:25844080](https://pubmed.ncbi.nlm.nih.gov/25844080/)

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

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: 20260904T000042+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 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Hendriks L, et al. (2026) Mineralized Remains as Adjacent Proxy for Radiocarbon Dating. *Analytical chemistry*, 98(3), 1880.

Lee WJ, et al. (2025) Robust fast-switching black electrochromic windows based on solution-processed n-doped transparent organic conductor. *Nature communications*, 17(1), 575.

Sato S, et al. (2025) Synthesis of a new amino acid derivative with long-lasting hair shape control effects and elucidation of its mechanisms. *International journal of cosmetic science*, 47(4), 585.

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

Colalongo M, et al. (2025) Operando Investigation of Zr Doping in NMC811 Cathode for High Energy Density Lithium Ion Batteries. *ChemSusChem*, 18(8), e202401796.

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

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.

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).