**Gwyddion**

RRID:SCR_015583  
Type: Tool

**Proper Citation**

Gwyddion (RRID:SCR_015583)

**Resource Information**

**URL:** [http://gwyddion.net/](http://gwyddion.net/)

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**Description:** Modular program for SPM (scanning probe microscopy) data visualization and analysis. Primarily it is intended for the analysis of height fields obtained by scanning probe microscopy techniques (AFM, MFM, STM, SNOM/NSOM) and it supports a lot of SPM data formats. However, it can be used for general height field and (greyscale) image processing, for instance for the analysis of profilometry data or thickness maps from imaging spectrophotometry.

**Resource Type:** Resource, software resource, software application, data analysis software, data processing software

**Keywords:** spm data analysis, spm data visualization, height field analysis

**Funding Agency:** Czech Metrology Institute Department of Nanometrology

**Availability:** Open source

**Website Status:** Last checked up

**Resource Name:** Gwyddion

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**Ratings and Alerts**
No rating or validation information has been found for Gwyddion.

No alerts have been found for Gwyddion.

Data and Source Information

**Source:** [SciCrunch Registry](http://SciCrunch.org)

Usage and Citation Metrics

We found 569 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org).


Luchkin SY, et al. (2020) Solid-electrolyte interphase nucleation and growth on carbonaceous negative electrodes for Li-ion batteries visualized with in situ atomic force microscopy. Scientific reports, 10(1), 8550.

Vallieres C, et al. (2020) Discovery of (meth)acrylate polymers that resist colonization by fungi associated with pathogenesis and biodeterioration. Science advances, 6(23),
Pan H, et al. (2020) Cohesin SA1 and SA2 are RNA binding proteins that localize to RNA containing regions on DNA. Nucleic acids research, 48(10), 5639-5655.


Nirmalraj PN, et al. (2020) Complete aggregation pathway of amyloid ? (1-40) and (1-42) resolved on an atomically clean interface. Science advances, 6(15), eaaz6014.


Celikbilek O, et al. (2020) Surface Restructuring of Thin-Film Electrodes Based on Thermal History and Its Significance for the Catalytic Activity and Stability at the Gas/Solid and Solid/Solid Interfaces. ACS applied materials & interfaces, 12(30), 34388-34401.


Kolenatý D, et al. (2020) High-performance thermochromic VO-based coatings with a low transition temperature deposited on glass by a scalable technique. Scientific reports, 10(1), 11107.
