# Bibliography of Soft X-ray Microscopy - REFERENCES

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**CODE:** **YYYYABC** or **YYYYAB&** where YYYY = year , A – first letter of last name of first author, B – first letter of last name of second author, C – first letter of last name of third author; if more than 3 authors, replace C with &; if not unique, append a, b, c etc

## DATABASES

**NEXAFS of polymers:** https://www.physics.ncsu.edu/stxm/polymerspectro/
**Inner shell EELS of gas phase molecules:** http://unicorn.mcmaster.ca/corex/cedb-title.html

## DATA ANALYSIS SOFTWARE

| | | | | | |
|---|---|---|---|---|---|
| **aXis2000** | 2000 – present | Hitchcock | free | IDL source & compiled | http://unicorn.chemistry.mcmaster.ca/aXis2000.html (May 2020) |
| | MacOS version AVAILABLE FROM SOLEIL GITLAB site | | | | http://ifit.mccode.org/tmp/Programs/axis2000/ |
| stack_analyze | 2004 – present | Jacobsen | free | IDL compiled | embedded in aXis2000 (source from CJJ on request) |
| DAWN | 2015-present | Basham et al | free | Eclipse, python, Jython | https://dawnsci.org/ (May 2020) |
| **Mantis** | 2012-present | Lerotic | free | python | http://spectromicroscopy.com/ (May 2020) |
| Particle analysis | 2010-present | Moffet | free | MatLab script | |
| | https://www.mathworks.com/matlabcentral/fileexchange/29085-stxm-spectromicroscopy-particle-analysis-routines (May 2020) | | | | |
| PyMCA | 2007 - present | Solé et al | free | python scripts for X-raty fluorescence analysis | http://pymca.sourceforge.net/ (May 2020) |
| STACKLab | 2020– present | Tobias Henn | free | MatLab scripts | |
| | https://www.mathworks.com/matlabcentral/fileexchange/24006-stxm-data-analysis-script-collection-stacklab | | | | |
| STXMPy | 2010-present | Haraszti et al | free | python ( 10.1186/1752-153X-4-11) (could not find source site , May 2020) | |
| XMIDAS | 2022 – present | 2022PT& | | X-ray multimodal image data analysis software (from TXM-XRF-mapping, NSLS-II) | |

## CONFERENCE PROCEEDINGS

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