

# My Scientific contributions

Some words before I show you the list of my own papers.

- [1] C. L. Monteil et al. “Intracellular amorphous Ca-carbonate and magnetite biomineralization by a magnetotactic bacterium affiliated to the Alphaproteobacteria”. In: *ISME J* 15.1 (2021), pp. 1–18. ISSN: 1751-7370 (Electronic) 1751-7362 (Linking). DOI: 10.1038/s41396-020-00747-3.
- [2] Amith G. Anil et al. “Analysis of Cr(VI) Bioremediation by *Citrobacter freundii* Using Synchrotron Soft X-ray Scanning Transmission X-ray Microscopy”. In: *Quantum Beam Science* 5.4 (2021). ISSN: 2412-382X. DOI: 10.3390/qubs5040028.
- [3] Benedikt Rösner et al. “Soft x-ray microscopy with 7 nm resolution”. In: *Optica* 7.11 (2020). ISSN: 2334-2536. DOI: 10.1364/optica.399885.
- [4] T. Mansikkala et al. “Lignans in Knotwood of Norway Spruce: Localisation with Soft X-ray Microscopy and Scanning Transmission Electron Microscopy with Energy Dispersive X-ray Spectroscopy”. In: *Molecules* 25.13 (2020). ISSN: 1420-3049 (Electronic) 1420-3049 (Linking). DOI: 10.3390/molecules25132997.
- [5] Benjamin King et al. “Silicon Phthalocyanines for n-Type Organic Thin-Film Transistors: Development of Structure–Property Relationships”. In: *ACS Applied Electronic Materials* 3.1 (2020), pp. 325–336. ISSN: 2637-6113 2637-6113. DOI: 10.1021/acsaem.0c00871.
- [6] Lucas Le Nagard et al. “Magnetite magnetosome biomineralization in *Magnetospirillum magneticum* strain AMB-1: A time course study”. In: *Chemical Geology* 530 (2019). ISSN: 00092541. DOI: 10.1016/j.chemgeo.2019.119348.
- [7] Benedikt Rösner et al. “7 nm Spatial Resolution in Soft X-ray Microscopy”. In: *Microscopy and Microanalysis* 24.S2 (2018), pp. 272–273. ISSN: 1431-9276 1435-8115. DOI: 10.1017/s1431927618013697.
- [8] Benedikt Rösner et al. “Exploiting atomic layer deposition for fabricating sub-10 nm X-ray lenses”. In: *Microelectronic Engineering* 191 (2018), pp. 91–96. ISSN: 01679317. DOI: 10.1016/j.mee.2018.01.033.
- [9] Lucas Le Nagard et al. “How do Magnetotactic Bacteria Synthesize Magnetite? - a Soft X-ray Spectroscopy, Spectromicroscopy and Magnetism Time Course Study”. In: *Microscopy and Microanalysis* 24.S2 (2018), pp. 378–379. ISSN: 1431-9276 1435-8115. DOI: 10.1017/s1431927618014174.

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- [10] Olzhas A. Ibraikulov et al. “Face-on orientation of fluorinated polymers conveyed by long alkyl chains: a prerequisite for high photovoltaic performances”. In: *Journal of Materials Chemistry A* 6.25 (2018), pp. 12038–12045. ISSN: 2050-7488 2050-7496. DOI: 10.1039/c8ta04127j.
- [11] Marko Huttula et al. “STXM Chemical Mapping of Norway Spruce Knotwood Lignans”. In: *Microscopy and Microanalysis* 24.S2 (2018), pp. 482–483. ISSN: 1431-9276 1435-8115. DOI: 10.1017/s1431927618014642.
- [12] Conference Paper. 2017. DOI: 10.1109/transducers.2017.7994402.

A bunch of papers are still in print and not yet published.