

# Guilherme Calligaris

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4202051/publications.pdf>

Version: 2024-02-01

20  
papers

343  
citations

840776

11  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

564  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Theoretical and experimental developments for accurate determination of crystallinity of cellulose I materials. <i>Journal of Applied Crystallography</i> , 2011, 44, 184-192.   | 4.5 | 100       |
| 2  | Effect of diacylglycerol addition on crystallization properties of pure triacylglycerols. <i>Food Research International</i> , 2014, 55, 436-444.  | 6.2 | 38        |
| 3  | Hardfats as crystallization modifiers of cocoa butter. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 1462-1473.   | 1.5 | 31        |
| 4  | Assessing the pozzolanic activity of cements with added sugar cane straw ash by synchrotron X-ray diffraction and Rietveld analysis. <i>Construction and Building Materials</i> , 2015, 98, 44-50.                           | 7.2 | 31        |
| 5  | On the quantitative phase analysis and amorphous content of triacylglycerols materials by X-ray Rietveld method. <i>Chemistry and Physics of Lipids</i> , 2018, 212, 51-60.  | 3.2 | 26        |
| 6  | Delaying fat bloom formation in dark chocolate by adding sorbitan monostearate or cocoa butter stearin. <i>Food Chemistry</i> , 2018, 256, 390-396.  | 8.2 | 22        |
| 7  | Study of wet etching thin films of indium tin oxide in oxalic acid by monitoring the resistance. <i>Thin Solid Films</i> , 2014, 567, 20-31.   | 1.8 | 21        |
| 8  | Crystallinity properties and crystallization behavior of chocolate fat blends. <i>Journal of Food Science and Technology</i> , 2017, 54, 1979-1989.  | 2.8 | 18        |
| 9  | Solid lipid microparticles of hardfats produced by spray cooling as promising crystallization modifiers in lipid systems. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 1733-1744.                    | 1.5 | 13        |
| 10 | Acceleration of polymorphic transition of cocoa butter and cocoa butter equivalent by addition of $\alpha$ -limonene. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 716-723.                          | 1.5 | 13        |
| 11 | Physical approach for a quantitative analysis of the phytosterols in free phytosterol-oil blends by X-ray Rietveld method. <i>Food Research International</i> , 2019, 124, 2-15.   | 6.2 | 13        |
| 12 | Characterization of the Structural Environment of Dithionate Ions Associated with Their Role in the Crystal Habit Modification of Sodium Chlorate. <i>Crystal Growth and Design</i> , 2018, 18, 3328-3338.                   | 3.0 | 7         |
| 13 | X-ray dynamical diffraction in amino acid crystals: a step towards improving structural resolution of biological molecules via physical phase measurements. <i>Journal of Applied Crystallography</i> , 2017, 50, 689-700.   | 4.5 | 5         |
| 14 | Experimental evidence of transition between dynamical and kinematical diffraction regimes in ion-implanted Si observed through X-ray multiple-beam diffraction mappings. <i>Applied Physics Letters</i> , 2016, 109, 141901. | 3.3 | 2         |
| 15 | Phonon scattering mechanism in thermoelectric materials revised via resonant x-ray dynamical diffraction. <i>MRS Communications</i> , 2020, 10, 265-271.   | 1.8 | 2         |
| 16 | On the effect of $\text{Au}^{2+}$ ion irradiation in an amorphous FeSi thin layer synthesized by ion implantation: a high resolution X-ray diffraction study. <i>CrystEngComm</i> , 2013, 15, 2251-2259.                     | 2.6 | 1         |
| 17 | Rietveld Method Applied for Triacylglycerol Polymorphism Analysis. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C1764-C1764.  | 0.1 | 0         |
| 18 | Study of the phase transitions of Nickel Platinum Silicide obtained by sputtering and rapid thermal processing., 2017, , .   |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | X-ray n-beam diffraction to study nanodefects of Xe+ implantation in Si(001). Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1726-C1726. | 0.1 | 0         |
| 20 | Flexible optical layouts based on cylindrical mirrors with sagittal curvature for high-stability beamlines. , 2020, , .  |     | 0         |