

# 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	Phonon scattering mechanism in thermoelectric materials revised via resonant x-ray dynamical diffraction. <i>MRS Communications</i> , 2020, 10, 265-271.	1.8	2
2	Flexible optical layouts based on cylindrical mirrors with sagittal curvature for high-stability beamlines. , 2020, , .		0
3	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
4	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
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	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
7	Crystallinity properties and crystallization behavior of chocolate fat blends. <i>Journal of Food Science and Technology</i> , 2017, 54, 1979-1989.	2.8	18
8	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
9	Study of the phase transitions of Nickel Platinum Silicide obtained by sputtering and rapid thermal processing. , 2017, , .		0
10	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
11	Acceleration of polymorphic transition of cocoa butter and cocoa butter equivalent by addition of d-limonene. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 716-723.	1.5	13
12	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
13	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
14	Effect of diacylglycerol addition on crystallization properties of pure triacylglycerols. <i>Food Research International</i> , 2014, 55, 436-444.	6.2	38
15	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
16	Rietveld Method Applied for Triacylglycerol Polymorphism Analysis. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C1764-C1764.	0.1	0
17	X-ray n-beam diffraction to study nanodefects of Xe <sup>+</sup> implantation in Si(001). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C1726-C1726.	0.1	0
18	On the effect of Au <sup>2+</sup> ion irradiation in an amorphous Fe-Si thin layer synthesized by ion implantation: a high resolution X-ray diffraction study. <i>CrystEngComm</i> , 2013, 15, 2251-2259.	2.6	1

#	ARTICLE	IF	CITATIONS
19	Hardfats as crystallization modifiers of cocoa butter. European Journal of Lipid Science and Technology, 2013, 115, 1462-1473.	1.5	31
20	Theoretical and experimental developments for accurate determination of crystallinity of cellulose I materials. Journal of Applied Crystallography, 2011, 44, 184-192.	4.5	100