

# Jean-Francois Willart

## List of Publications by Year in descending order

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33  
papers

915  
citations

430754

18  
h-index

454834

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspectives on the amorphisation/milling relationship in pharmaceutical materials. <i>Advanced Drug Delivery Reviews</i> , 2016, 100, 51-66.	6.6	123
2	A New Protocol To Determine the Solubility of Drugs into Polymer Matrixes. <i>Molecular Pharmaceutics</i> , 2013, 10, 560-566.	2.3	102
3	Using the low-frequency Raman spectroscopy to analyze the crystallization of amorphous indomethacin. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 156-164.	1.9	84
4	Solid state amorphization kinetic of alpha lactose upon mechanical milling. <i>Carbohydrate Research</i> , 2011, 346, 2622-2628.	1.1	46
5	Mutarotational kinetics and glass transition of lactose. <i>Solid State Communications</i> , 2006, 140, 329-334.	0.9	44
6	On the Polymorphism of Griseofulvin: Identification of Two Additional Polymorphs. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 462-468.	1.6	44
7	Polymorphic transformation of the $\beta$ -form of d-sorbitol upon milling: structural and nanostructural analyses. <i>Solid State Communications</i> , 2005, 135, 519-524.	0.9	43
8	Structure determination of the stable anhydrous phase of $\beta$ -lactose from X-ray powder diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 185-191.	1.8	43
9	High-Energy Ball Milling as Green Process To Vitrify Tadalafil and Improve Bioavailability. <i>Molecular Pharmaceutics</i> , 2016, 13, 3891-3902.	2.3	42
10	Solid-State Vitrification of Crystalline Griseofulvin by Mechanical Milling. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1570-1577.	1.6	41
11	Structure determination of the $1/1 \beta/\beta^2$ mixed lactose by X-ray powder diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 455-463.	1.8	32
12	Using Milling To Explore Physical States: The Amorphous and Polymorphic Forms of Dexamethasone. <i>Crystal Growth and Design</i> , 2018, 18, 1748-1757.	1.4	32
13	Determination of the glass transition temperature of cyclodextrin polymers. <i>Carbohydrate Polymers</i> , 2016, 148, 172-180.	5.1	26
14	Amorphization of sugar hydrates upon milling. <i>Carbohydrate Research</i> , 2010, 345, 1613-1616.	1.1	22
15	Solid State Amorphization of $\beta$ -Trehalose: A Structural Investigation Using Synchrotron Powder Diffraction and PDF Analysis. <i>Crystal Growth and Design</i> , 2016, 16, 4547-4558.	1.4	22
16	Solid-State Amorphization of Linaprazan by Mechanical Milling and Evidence of Polymorphism. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 2214-2220.	1.6	21
17	Comparison of amorphous states prepared by melt-quenching and cryomilling polymorphs of carbamazepine. <i>International Journal of Pharmaceutics</i> , 2016, 509, 305-313.	2.6	20
18	Characterization of the hidden glass transition of amorphous cyclomaltoheptaose. <i>Carbohydrate Research</i> , 2011, 346, 2193-2199.	1.1	19

#	ARTICLE	IF	CITATIONS
19	The role of cracks in the crystal nucleation process of amorphous griseofulvin. <i>European Physical Journal: Special Topics</i> , 2017, 226, 837-847.	1.2	16
20	Crystalline Polymorphism Emerging From a Milling-Induced Amorphous Form: The Case of Chlorhexidine Dihydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 121-126.	1.6	16
21	Structural Transformations of $\alpha$ -Mannitol Induced by in Situ Milling Using Real Time Powder Synchrotron Radiation Diffraction. <i>Crystal Growth and Design</i> , 2017, 17, 6111-6122.	1.4	15
22	Using Milling to Explore Physical States: The Amorphous and Polymorphic Forms of Sulindac. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2635-2642.	1.6	9
23	Kinetics and mechanism of polymorphic transformation of sorbitol under mechanical milling. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119902.	2.6	8
24	Structure determination of phase II of the antifungal drug griseofulvin by powder X-ray diffraction. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 321-324.	0.2	7
25	Hot melt extruded PLGA implants loaded with ibuprofen: How heat exposure alters the physical drug state. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 73, 103432.	1.4	7
26	Lactulose: A Model System to Investigate Solid State Amorphization Induced by Milling. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 880-887.	1.6	6
27	Contribution of low-frequency Raman spectroscopy to determine the solubility curves of drugs in polymers: The case of paracetamol/PVP. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 154, 222-227.	2.0	6
28	Interest of molecular/crystalline dispersions for the determination of solubility curves of drugs into polymers. <i>International Journal of Pharmaceutics</i> , 2019, 570, 118626.	2.6	5
29	Structure determination of riboflavin by synchrotron high-resolution powder X-ray diffraction. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 800-806.	0.2	4
30	Impact of Amorphization Methods on the Physicochemical Properties of Amorphous Lactulose. <i>Molecular Pharmaceutics</i> , 2020, 17, 1-9.	2.3	3
31	Evidence of transient amorphization during the polymorphic transformation of sorbitol induced by milling. <i>International Journal of Pharmaceutics</i> , 2022, 623, 121929.	2.6	3
32	Morphological and Structural Properties of Amorphous Lactulose Studied by Scanning Electron Microscopy, Polarized Neutron Scattering, and Molecular Dynamics Simulations. <i>Molecular Pharmaceutics</i> , 2020, 17, 10-20.	2.3	2
33	Thinking of bosentan repurposing – A study on dehydration and amorphization. <i>International Journal of Pharmaceutics</i> , 2022, 622, 121846.	2.6	2