

# Henri Chanzy

## List of Publications by Year in descending order

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71  
papers

11,707  
citations

44042

48  
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95218

68  
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73  
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73  
docs citations

73  
times ranked

8956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmission electron microscopy of cellulose. Part 1: historical perspective. <i>Cellulose</i> , 2019, 26, 5-15.	2.4	6
2	Negative Diamagnetic Anisotropy and Birefringence of Cellulose Nanocrystals. <i>Macromolecules</i> , 2015, 48, 8844-8857.	2.2	89
3	Helical Conformation in Crystalline Inclusion Complexes of $\alpha$ -Amylose: A Historical Perspective. <i>Macromolecular Symposia</i> , 2011, 303, 1-9.	0.4	31
4	Molecular and Crystal Structure of 7-Fold $\alpha$ -Amylose Complexed with 2-Propanol. <i>Macromolecules</i> , 2010, 43, 8628-8636.	2.2	59
5	Swelling of Valonia cellulose microfibrils in amine oxide systems. <i>Canadian Journal of Chemistry</i> , 2008, 86, 520-524.	0.6	4
6	The structure of celluloses. <i>Powder Diffraction</i> , 2008, 23, 92-95.	0.4	33
7	Single Crystals of $\alpha$ -Amylose Complexed with $\beta$ -Naphthol. <i>Biomacromolecules</i> , 2007, 8, 1319-1326.	2.6	61
8	Solid-State $^{13}\text{C}$ NMR Study of $\text{Na}^+$ -Cellulose Complexes. <i>Biomacromolecules</i> , 2007, 8, 2586-2593.	2.6	64
9	Morphological and structural aspects of the giant starch granules from <i>Phajus grandifolius</i> . <i>Journal of Structural Biology</i> , 2006, 154, 100-110.	1.3	30
10	TEMPO-mediated surface oxidation of cellulose whiskers. <i>Cellulose</i> , 2006, 13, 679-687.	2.4	542
11	Synchrotron X-ray structures of cellulose $\text{II}^2$ and regenerated cellulose II at ambient temperature and 100ÅK. <i>Cellulose</i> , 2005, 12, 551-562.	2.4	102
12	Cellulose III Crystal Structure and Hydrogen Bonding by Synchrotron X-ray and Neutron Fiber Diffraction. <i>Macromolecules</i> , 2004, 37, 8548-8555.	2.2	267
13	Crystal Structure and Hydrogen Bonding System in Cellulose $\text{II}^2$ from Synchrotron X-ray and Neutron Fiber Diffraction. <i>Journal of the American Chemical Society</i> , 2003, 125, 14300-14306.	6.6	1,274
14	Fluorescent Cellulose Microfibrils As Substrate for the Detection of Cellulase Activity. <i>Biomacromolecules</i> , 2003, 4, 481-487.	2.6	71
15	Fast Intracrystalline Hydration of $\text{II}^2$ -Chitin Revealed by Combined Microdrop Generation and On-Line Synchrotron Radiation Microdiffraction. <i>Biomacromolecules</i> , 2003, 4, 981-986.	2.6	19
16	Preparation of Tunicin Cellulose $\text{II}^2$ Samples for X-ray and Neutron Diffraction. <i>Fibre Diffraction Review</i> , 2003, 11, 75.	0.6	1
17	In Vitro Versus in Vivo Cellulose Microfibrils from Plant Primary Wall Synthases: Structural Differences. <i>Journal of Biological Chemistry</i> , 2002, 277, 36931-36939.	1.6	141
18	Stable suspensions of partially silylated cellulose whiskers dispersed in organic solvents. <i>Polymer</i> , 2002, 43, 2645-2651.	1.8	396

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19	Crystal Structure and Hydrogen-Bonding System in Cellulose I <sub>β</sub> from Synchrotron X-ray and Neutron Fiber Diffraction. <i>Journal of the American Chemical Society</i> , 2002, 124, 9074-9082.	6.6	2,231
20	Title is missing!. <i>Cellulose</i> , 2002, 9, 7-18.	2.4	213
21	X-ray Structure of Mercerized Cellulose II at 1 Å... Resolution. <i>Biomacromolecules</i> , 2001, 2, 410-416.	2.6	457
22	Degradation of Mannan I and II Crystals by Fungal endo-β-1,4-Mannanases and a β-1,4-Mannosidase Studied with Transmission Electron Microscopy. <i>Biomacromolecules</i> , 2001, 2, 694-699.	2.6	8
23	Biosynthesis of (1→3)-β-D-glucan (callose) by detergent extracts of a microsomal fraction from <i>Arabidopsis thaliana</i> . <i>FEBS Journal</i> , 2001, 268, 4628-4638.	0.2	58
24	Optimized mixtures of recombinant <i>Humicola insolens</i> cellulases for the biodegradation of crystalline cellulose. <i>Biotechnology and Bioengineering</i> , 2001, 72, 339-345.	1.7	95
25	Digestion of single crystals of mannan by an endo-mannanase from <i>Trichoderma reesei</i> . <i>FEBS Journal</i> , 2000, 267, 2340-2344.	0.2	8
26	Relative susceptibility of the I <sub>β</sub> and I <sub>II</sub> phases of cellulose towards acetylation. <i>Cellulose</i> , 2000, 7, 119-132.	2.4	52
27	Imaging the Enzymatic Digestion of Bacterial Cellulose Ribbons Reveals the Endo Character of the Cellobiohydrolase Cel6A from <i>Humicola insolens</i> and Its Mode of Synergy with Cellobiohydrolase Cel7A. <i>Applied and Environmental Microbiology</i> , 2000, 66, 1444-1452.	1.4	192
28	Structural data on the intra-crystalline swelling of β-chitin. <i>International Journal of Biological Macromolecules</i> , 2000, 28, 81-88.	3.6	83
29	Network Formation in Dilute Amylose and Amylopectin Studied by TEM. <i>Macromolecules</i> , 2000, 33, 6416-6422.	2.2	92
30	Intracrystalline Deuteration of Native Cellulose. <i>Macromolecules</i> , 1999, 32, 2078-2081.	2.2	70
31	Spherulitic Crystallization of Chitosan Oligomers. <i>Langmuir</i> , 1999, 15, 1549-1555.	1.6	26
32	Ultrastructural aspects of phytoglycogen from cryo-transmission electron microscopy and quasi-elastic light scattering data. <i>International Journal of Biological Macromolecules</i> , 1999, 26, 145-150.	3.6	75
33	High resolution neutron fibre diffraction data on hydrogenated and deuterated cellulose. <i>International Journal of Biological Macromolecules</i> , 1999, 26, 279-283.	3.6	35
34	Digestion of crystalline cellulose substrates by the <i>Clostridium thermocellum</i> cellulosome: structural and morphological aspects. <i>Biochemical Journal</i> , 1999, 340, 829-835.	1.7	72
35	Digestion of crystalline cellulose substrates by the <i>Clostridium thermocellum</i> cellulosome: structural and morphological aspects. <i>Biochemical Journal</i> , 1999, 340, 829.	1.7	24
36	<i>Cassia spectabilis</i> DC seed galactomannan: Structural, crystallographical and rheological studies. <i>Carbohydrate Research</i> , 1998, 306, 231-241.	1.1	82

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37	Cellulose, cellulases and cellulosomes. <i>Current Opinion in Structural Biology</i> , 1998, 8, 548-557.	2.6	520
38	Details of the Crystalline Ultrastructure of C-Starch Granules Revealed by Synchrotron Microfocus Mapping. <i>Macromolecules</i> , 1998, 31, 6605-6610.	2.2	124
39	THE CHITINOUS NATURE OF FILAMENTS EJECTED BY PHAEOCYSTIS (PRYMNESIOPHYCEAE)1. <i>Journal of Phycology</i> , 1997, 33, 666-672.	1.0	53
40	Title is missing!. <i>Cellulose</i> , 1997, 4, 7-20.	2.4	14
41	The Cellulose System in the Cell Wall of <i>Micrasterias</i> . <i>Journal of Structural Biology</i> , 1996, 117, 195-203.	1.3	65
42	Analysis of Chitin Biosynthesis. <i>Modern Methods of Plant Analysis</i> , 1996, , 81-94.	0.1	1
43	Phosphorolytic synthesis of cellodextrins. <i>Carbohydrate Research</i> , 1995, 271, 217-226.	1.1	70
44	The crystal structure of methyl $\beta$ -D-celotrioside monohydrate 0.25 ethanolate and its relationship to cellulose II. <i>Carbohydrate Research</i> , 1995, 277, 209-229.	1.1	58
45	X-ray diffraction studies on some seed galactomannans from India. <i>Carbohydrate Polymers</i> , 1995, 27, 229-233.	5.1	23
46	Ultrastructural aspects of the acetylation of cellulose. <i>Cellulose</i> , 1995, 2, 111-127.	2.4	239
47	Structural Study of $\beta$ -Chitin from the Grasping Spines of the Arrow Worm ( <i>Sagitta</i> spp.). <i>Journal of Structural Biology</i> , 1995, 114, 218-228.	1.3	52
48	On the polarity of cellulose in the cell wall of <i>Valonia</i> . <i>Planta</i> , 1994, 193, 260.	1.6	44
49	Chiral nematic suspensions of cellulose crystallites; phase separation and magnetic field orientation. <i>Liquid Crystals</i> , 1994, 16, 127-134.	0.9	416
50	Molecular and crystal structure of a high-temperature polymorph of chitosan from electron diffraction data. <i>Macromolecules</i> , 1994, 27, 7606-7612.	2.2	74
51	Characterization of chitin and chitin synthase from the cellulosic cell wall fungus <i>Saprolegnia monoica</i> . <i>Experimental Mycology</i> , 1992, 16, 8-21.	1.8	58
52	Chitin pleomorphism in the cellulosic cell wall fungus <i>Saprolegnia</i> . <i>FEMS Microbiology Letters</i> , 1992, 100, 405-409.	0.7	5
53	Single Crystals of Chitosan. , 1992, , 155-164.		4
54	$\beta$ -Chitin from Deep Sea Hydrothermal Vent Worms. , 1992, , 216-224.		5

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55	Chitin pleomorphism in the cellulosic cell wall fungus <i>Saprolegnia</i> . <i>FEMS Microbiology Letters</i> , 1992, 100, 405-409.	0.7	8
56	Characterization and Origin of the Chitin-Protein System in Deep-Sea Hydrothermal Vent Worms. , 1992, , 225-231.		1
57	Liquid crystal-type assembly of native cellulose-glucuronoxylans extracted from plant cell wall. <i>Biology of the Cell</i> , 1991, 73, 173-178.	0.7	46
58	Electron diffraction study on the two crystalline phases occurring in native cellulose from an algal cell wall. <i>Macromolecules</i> , 1991, 24, 4168-4175.	2.2	738
59	Combined infrared and electron diffraction study of the polymorphism of native celluloses. <i>Macromolecules</i> , 1991, 24, 2461-2466.	2.2	500
60	High-resolution solid-state carbon-13 nuclear magnetic resonance study of chitin. <i>Macromolecules</i> , 1990, 23, 3576-3583.	2.2	131
61	Chitin crystals in arthropod cuticles revealed by diffraction contrast transmission electron microscopy. <i>Journal of Structural Biology</i> , 1990, 103, 232-240.	1.3	77
62	Single crystals of chitosan. <i>International Journal of Biological Macromolecules</i> , 1990, 12, 289-294.	3.6	60
63	Electron crystallography of linear polysaccharides. <i>Journal of Electron Microscopy Technique</i> , 1989, 11, 280-285.	1.1	42
64	Liquid crystalline suspensions of poly(tetrafluoroethylene) 'whiskers'. <i>Nature</i> , 1988, 333, 55-56.	13.7	81
65	The double-helical nature of the crystalline part of A-starch. <i>Journal of Molecular Biology</i> , 1988, 201, 365-378.	2.0	541
66	An electron diffraction study of the mannan I crystal and molecular structure. <i>Macromolecules</i> , 1987, 20, 2407-2413.	2.2	69
67	New three-dimensional structure for A-type starch. <i>Macromolecules</i> , 1987, 20, 2634-2636.	2.2	105
68	Solid-state <sup>13</sup> C-N.M.R. and electron microscopy study on the reversible cellulose I $\alpha$ ' cellulose III $\alpha$ transformation in <i>Valonia</i> . <i>Carbohydrate Research</i> , 1987, 160, 1-11.	1.1	86
69	Undirectional degradation of <i>valonia</i> cellulose microcrystals subjected to cellulase action. <i>FEBS Letters</i> , 1985, 184, 285-288.	1.3	166
70	The action of 1,4- $\beta$ -D-glucan cellobiohydrolase on <i>Valonia</i> cellulose microcrystals. <i>FEBS Letters</i> , 1983, 153, 113-118.	1.3	98
71	Single crystals and oriented crystallization of ivory nut mannan. <i>Biopolymers</i> , 1979, 18, 887-898.	1.2	57