

# Jean-Luc Putaux

## List of Publications by Year in descending order

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217  
papers

13,720  
citations

26610

56  
h-index

25770

108  
g-index

224  
all docs

224  
docs citations

224  
times ranked

13977  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogeneous Suspensions of Individualized Microfibrils from TEMPO-Catalyzed Oxidation of Native Cellulose. <i>Biomacromolecules</i> , 2006, 7, 1687-1691.	2.6	1,524
2	The Shape and Size Distribution of Crystalline Nanoparticles Prepared by Acid Hydrolysis of Native Cellulose. <i>Biomacromolecules</i> , 2008, 9, 57-65.	2.6	1,015
3	Measurement of the displacement field of dislocations to 0.03Å... by electron microscopy. <i>Nature</i> , 2003, 423, 270-273.	13.7	501
4	Aqueous Dispersions of Silane-Functionalized Laponite Clay Platelets. A First Step toward the Elaboration of Water-Based Polymer/Clay Nanocomposites. <i>Langmuir</i> , 2004, 20, 1564-1571.	1.6	389
5	Cellulose microfibrils from banana rachis: Effect of alkaline treatments on structural and morphological features. <i>Carbohydrate Polymers</i> , 2009, 76, 51-59.	5.1	372
6	Structural characterization of bacterial cellulose produced by <i>Gluconacetobacter swingsii</i> sp. from Colombian agroindustrial wastes. <i>Carbohydrate Polymers</i> , 2011, 84, 96-102.	5.1	343
7	Platelet Nanocrystals Resulting from the Disruption of Waxy Maize Starch Granules by Acid Hydrolysis. <i>Biomacromolecules</i> , 2003, 4, 1198-1202.	2.6	292
8	Preparation By Grafting Onto, Characterization, and Properties of Thermally Responsive Polymer-Decorated Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2010, 11, 3652-3659.	2.6	213
9	Bacterial cellulose produced by a new acid-resistant strain of <i>Gluconacetobacter</i> genus. <i>Carbohydrate Polymers</i> , 2012, 89, 1033-1037.	5.1	208
10	Effects of the environmental factors on the casein micelle structure studied by cryo transmission electron microscopy and small-angle x-ray scattering/ultras-small-angle x-ray scattering. <i>Journal of Chemical Physics</i> , 2007, 126, 045101.	1.2	198
11	Cellulose microfibrils from banana farming residues: isolation and characterization. <i>Cellulose</i> , 2007, 14, 585-592.	2.4	196
12	Preparation, morphology and structure of cellulose nanocrystals from bamboo fibers. <i>Cellulose</i> , 2012, 19, 1527-1536.	2.4	176
13	Processing and characterization of carbon nanotube/poly(styrene-co-butyl acrylate) nanocomposites. <i>Journal of Materials Science</i> , 2002, 37, 3915-3923.	1.7	175
14	Orientation of Native Cellulose in an Electric Field. <i>Langmuir</i> , 2006, 22, 4899-4901.	1.6	172
15	Mechanical properties of natural rubber nanocomposites reinforced with high aspect ratio cellulose nanocrystals isolated from soy hulls. <i>Carbohydrate Polymers</i> , 2016, 153, 143-152.	5.1	155
16	Metabolic Symbiosis and the Birth of the Plant Kingdom. <i>Molecular Biology and Evolution</i> , 2008, 25, 536-548.	3.5	153
17	Formation of polymer vesicles by simultaneous chain growth and self-assembly of amphiphilic block copolymers. <i>Chemical Communications</i> , 2009, , 2887.	2.2	145
18	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

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19	Poly(L-proline) interactions with flavan-3-ols units: Influence of the molecular structure and the polyphenol/protein ratio. <i>Food Hydrocolloids</i> , 2006, 20, 687-697.	5.6	137
20	Self-Association and Crystallization of Amylose. <i>Australian Journal of Chemistry</i> , 2007, 60, 706.	0.5	134
21	Crystal Structure of A-amylose: A Revisit from Synchrotron Microdiffraction Analysis of Single Crystals. <i>Macromolecules</i> , 2009, 42, 1167-1174.	2.2	120
22	Amylose Synthesized in Vitro by Amylosucrase: Morphology, Structure, and Properties. <i>Biomacromolecules</i> , 2005, 6, 1000-1011.	2.6	119
23	Plastidial phosphorylase is required for normal starch synthesis in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2006, 48, 274-285.	2.8	105
24	Structural Aspects of the Swelling of $\beta$ Chitin in HCl and its Conversion into $\alpha$ Chitin. <i>Macromolecules</i> , 1997, 30, 3867-3873.	2.2	99
25	Starch Nanocrystal Fillers in an Acrylic Polymer Matrix. <i>Macromolecular Symposia</i> , 2005, 221, 95-104.	0.4	97
26	Crystal structure of amylose complexes with small ligands. <i>International Journal of Biological Macromolecules</i> , 2003, 33, 227-234.	3.6	96
27	Silicone-polyacrylate composite latex particles. Particles formation and film properties. <i>Polymer</i> , 2005, 46, 1331-1337.	1.8	95
28	Synthesis of polymer/Laponite nanocomposite latex particles via emulsion polymerization using silylated and cation-exchanged Laponite clay platelets. <i>Progress in Solid State Chemistry</i> , 2006, 34, 121-137.	3.9	95
29	<i>Gluconacetobacter medellinensis</i> sp. nov., cellulose- and non-cellulose-producing acetic acid bacteria isolated from vinegar. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1119-1125.	0.8	94
30	Network Formation in Dilute Amylose and Amylopectin Studied by TEM. <i>Macromolecules</i> , 2000, 33, 6416-6422.	2.2	92
31	Reorientation of Cellulose Nanowhiskers in Agarose Hydrogels under Tensile Loading. <i>Biomacromolecules</i> , 2012, 13, 850-856.	2.6	91
32	Polymer/Laponite Composite Colloids through Emulsion Polymerization: Influence of the Clay Modification Level on Particle Morphology. <i>Macromolecules</i> , 2006, 39, 9177-9184.	2.2	90
33	Comprehensive morphological and structural investigation of cellulose I and II nanocrystals prepared by sulphuric acid hydrolysis. <i>RSC Advances</i> , 2016, 6, 76017-76027.	1.7	90
34	Self-assembling and Chiral Nematic Properties of Organophilic Cellulose Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11069-11075.	1.2	89
35	Polymer/Laponite Composite Latexes: Particle Morphology, Film Microstructure, and Properties. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1567-1573.	2.0	87
36	Flavan-3-ol Aggregation in Model Ethanolic Solutions: Incidence of Polyphenol Structure, Concentration, Ethanol Content, and Ionic Strength. <i>Langmuir</i> , 2003, 19, 10563-10572.	1.6	86

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37	Structural data on the intra-crystalline swelling of $\hat{I}^2$ -chitin. International Journal of Biological Macromolecules, 2000, 28, 81-88.	3.6	83
38	The molecular structure of waxy maize starch nanocrystals. Carbohydrate Research, 2009, 344, 1558-1566.	1.1	81
39	Surface modification of cellulose microfibrils by periodate oxidation and subsequent reductive amination with benzylamine: a topochemical study. Cellulose, 2014, 21, 4119-4133.	2.4	80
40	Polyester Nanoparticles Presenting Mannose Residues: Toward the Development of New Vaccine Delivery Systems Combining Biodegradability and Targeting Properties. Biomacromolecules, 2009, 10, 651-657.	2.6	77
41	Ultrastructural aspects of phytoglycogen from cryo-transmission electron microscopy and quasi-elastic light scattering data. International Journal of Biological Macromolecules, 1999, 26, 145-150.	3.6	75
42	Rheological Properties and Electrospinnability of High-Amylose Starch in Formic Acid. Biomacromolecules, 2015, 16, 2529-2536.	2.6	75
43	$\hat{I}^{\pm}$ -D-Glucan-Based Dendritic Nanoparticles Prepared by in Vitro Enzymatic Chain Extension of Glycogen. Biomacromolecules, 2006, 7, 1720-1728.	2.6	72
44	Anisotropy of structure and transport properties in sulfonated polyimide membranes. Journal of Membrane Science, 2003, 214, 31-42.	4.1	70
45	Influence of alkali concentration on the deproteinization and/or gelatinization of rice starch. Carbohydrate Polymers, 2007, 70, 160-165.	5.1	70
46	Mesoporous self-assembled nanoparticles of biotransesterified cyclodextrins and nonlamellar lipids as carriers of water-insoluble substances. Soft Matter, 2016, 12, 7539-7550.	1.2	68
47	Nanoparticles of $\hat{I}^2$ -Cyclodextrin Esters Obtained by Self-Assembling of Biotransesterified $\hat{I}^2$ -Cyclodextrins. Biomacromolecules, 2006, 7, 515-520.	2.6	66
48	Silica Encapsulation by Miniemulsion Polymerization: Distribution and Localization of the Silica Particles in Droplets and Latex Particles. Langmuir, 2012, 28, 6021-6031.	1.6	63
49	Characterization of substrate and product specificity of the purified recombinant glycogen branching enzyme of <i>Rhodothermus obamensis</i> . Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2167-2177.	1.1	63
50	Cerium oxide encapsulation by emulsion polymerization using hydrophilic macroRAFT agents. Polymer Chemistry, 2013, 4, 607-614.	1.9	62
51	Influence of combined mechanical treatments on the morphology and structure of cellulose nanofibrils: Thermal and mechanical properties of the resulting films. Industrial Crops and Products, 2016, 85, 1-10.	2.5	62
52	Single Crystals of V-Amylose Complexed with $\hat{I}^{\pm}$ -Naphthol. Biomacromolecules, 2007, 8, 1319-1326.	2.6	61
53	Molecular and Crystal Structures of Inulin from Electron Diffraction Data. Macromolecules, 1996, 29, 4626-4635.	2.2	60
54	HREM study of self-accommodated thermal $\hat{I}^{\mu}$ -martensite in an Fe $\hat{I}$ —,Mn $\hat{I}$ —,Si $\hat{I}$ —,Cr $\hat{I}$ —,Ni shape memory alloy. Acta Materialia, 1996, 44, 1701-1716.	3.8	60

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55	Molecular and Crystal Structure of 7-Fold V-Amylose Complexed with 2-Propanol. <i>Macromolecules</i> , 2010, 43, 8628-8636.	2.2	59
56	Biosynthesis of (1 $\rightarrow$ 3)- $\beta$ -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
57	Role of double-hydrophilic block copolymers in the synthesis of lanthanum-based nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 217, 179-184.	2.3	57
58	Nature of the Periplastidial Pathway of Starch Synthesis in the Cryptophyte <i>Guillardia theta</i> . <i>Eukaryotic Cell</i> , 2006, 5, 954-963.	3.4	56
59	Stress and strain around grain-boundary dislocations measured by high-resolution electron microscopy. <i>Philosophical Magazine</i> , 2006, 86, 4641-4656.	0.7	55
60	Kinetics of Fibril Formation of Bovine $\beta$ -Casein Indicate a Conformational Rearrangement as a Critical Step in the Process. <i>Journal of Molecular Biology</i> , 2008, 381, 1267-1280.	2.0	55
61	Variation in Storage $\beta$ -Glucans of the Porphyridiales (Rhodophyta). <i>Plant and Cell Physiology</i> , 2008, 49, 103-116.	1.5	55
62	Influence of the acid type in the production of chitosan films reinforced with bacterial nanocellulose. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 208-213.	3.6	55
63	Tunable Aggregation and Gelation of Thermo-responsive Suspensions of Polymer-Grafted Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2016, 17, 2112-2119.	2.6	55
64	Highly Stable Metal Hydroxide Colloids by Inorganic Polycondensation in Suspension. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3681-3685.	7.2	54
65	THE CHITINOUS NATURE OF FILAMENTS EJECTED BY PHAEOCYSTIS (PRYMNESIOPHYCEAE) 1. <i>Journal of Phycology</i> , 1997, 33, 666-672.	1.0	53
66	Geometric phase analysis of lattice images from algal cellulose microfibrils. <i>Polymer</i> , 2003, 44, 1871-1879.	1.8	53
67	Design of a reduced-graphene-oxide composite electrode from an electropolymerizable graphene aqueous dispersion using a cyclodextrin-pyrrole monomer. Application to dopamine biosensing. <i>Electrochimica Acta</i> , 2015, 178, 108-112.	2.6	53
68	Surface peeling of cellulose nanocrystals resulting from periodate oxidation and reductive amination with water-soluble polymers. <i>Cellulose</i> , 2015, 22, 3701-3714.	2.4	53
69	Morphology of the nanocellulose produced by periodate oxidation and reductive treatment of cellulose fibers. <i>Cellulose</i> , 2018, 25, 3899-3911.	2.4	53
70	The architecture of lipid droplets in the diatom <i>Phaeodactylum tricorutum</i> . <i>Algal Research</i> , 2019, 38, 101415.	2.4	52
71	From "Sunflower-like" Assemblies toward Giant Wormlike Micelles. <i>Langmuir</i> , 2003, 19, 6-9.	1.6	51
72	Nanofibrillar cellulose from <i>Posidonia oceanica</i> : Properties and morphological features. <i>Industrial Crops and Products</i> , 2015, 72, 97-106.	2.5	51

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73	Rubber materials from elastomers and nanocellulose powders: filler dispersion and mechanical reinforcement. <i>Soft Matter</i> , 2018, 14, 2638-2648.	1.2	51
74	Pathway of Cytosolic Starch Synthesis in the Model Glaucophyte <i>Cyanophora paradoxa</i> . <i>Eukaryotic Cell</i> , 2008, 7, 247-257.	3.4	49
75	Impact of sonication on the rheological and colloidal properties of highly concentrated cellulose nanocrystal suspensions. <i>Cellulose</i> , 2019, 26, 7619-7634.	2.4	49
76	Single crystals of inulin. <i>International Journal of Biological Macromolecules</i> , 1996, 18, 195-204.	3.6	48
77	Synthesis and Characterization of Water-Soluble Amphipatic Polystyrene-Based Dendrigrfts. <i>Macromolecules</i> , 2003, 36, 5776-5783.	2.2	48
78	High Solids Content, Soap-Free, Film-Forming Latexes Stabilized by Laponite Clay Platelets. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1874-1880.	2.0	48
79	The plastid division proteins, FtsZ1 and FtsZ2, differ in their biochemical properties and sub-plastidial localization. <i>Biochemical Journal</i> , 2005, 387, 669-676.	1.7	47
80	Synthesis and characterisation of novel nanospheres made from amphiphilic perfluoroalkylthio- $\beta$ -cyclodextrins. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 60, 123-131.	2.0	47
81	Effect of the Polymer Nature on the Structural Organization of Lipid/Polymer Particle Assemblies. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13812-13822.	1.2	47
82	Synthesis of PEDOT Nanoparticles and Vesicles by Dispersion Polymerization in Alcoholic Media. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1446-1453.	2.0	46
83	Mannosylated Poly(ethylene oxide)-b-Poly( $\epsilon$ -caprolactone) Diblock Copolymers: Synthesis, Characterization, and Interaction with a Bacterial Lectin. <i>Biomacromolecules</i> , 2007, 8, 2717-2725.	2.6	46
84	$\beta$ -Allomorphic Transition in Native Starch and Amylose Spherocrystals Monitored by In Situ Synchrotron X-ray Diffraction. <i>Biomacromolecules</i> , 2010, 11, 76-87.	2.6	45
85	Influence of chemical structure of amphiphilic $\beta$ -cyclodextrins on their ability to form stable nanoparticles. <i>International Journal of Pharmaceutics</i> , 2002, 242, 301-305.	2.6	44
86	Stabilization of Miniemulsion Droplets by Cerium Oxide Nanoparticles: A Step toward the Elaboration of Armored Composite Latexes. <i>Langmuir</i> , 2012, 28, 6163-6174.	1.6	44
87	One-step processing of plasticized starch/cellulose nanofibrils nanocomposites via twin-screw extrusion of starch and cellulose fibers. <i>Carbohydrate Polymers</i> , 2020, 229, 115554.	5.1	44
88	Long-term shelf stability of amphiphilic $\beta$ -cyclodextrin nanosphere suspensions monitored by dynamic light scattering and cryo-transmission electron microscopy. <i>Journal of Microencapsulation</i> , 2004, 21, 607-613.	1.2	43
89	Polymorphism of crystalline complexes of $\alpha$ -amylose with fatty acids. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 555-564.	3.6	43
90	Genetic dissection of floridean starch synthesis in the cytosol of the model dinoflagellate <i>Cryptocodinium cohnii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21126-21130.	3.3	40

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91	In Vitro Model Assemblies To Study the Impact of Lignin-Carbohydrate Interactions on the Enzymatic Conversion of Xylan. <i>Biomacromolecules</i> , 2009, 10, 2489-2498.	2.6	40
92	Effect of Cyclization of Polystyrene/Polyisoprene Block Copolymers on Their Micellar Morphology. <i>Macromolecular Rapid Communications</i> , 2002, 23, 978-982.	2.0	39
93	Assessment of the encapsulation effect of phenolic compounds from <i>Spirulina</i> sp. LEB-18 on their antifusarium activities. <i>Food Chemistry</i> , 2016, 211, 616-623.	4.2	39
94	Split Crystallization during Debranching of Maltodextrins at High Concentration by Isoamylase. <i>Biomacromolecules</i> , 2004, 5, 1792-1798.	2.6	38
95	Glucose Slows Down the Heat-Induced Aggregation of $\beta$ -Lactoglobulin at Neutral pH. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 214-219.	2.4	38
96	Development of Nasal Lipid Nanocarriers Containing Curcumin for Brain Targeting. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 961-974.	1.2	38
97	Structure and characterization of the dislocations in tilt grain boundaries between $\theta = 1$ and $\theta = 3$ ; a high resolution electron microscopy study. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 164, 93-100.	2.6	37
98	Molecular Containers Based on Amphiphilic PS-b-PMVE Dendrigraft Copolymers: Topology, Organization, and Aqueous Solution Properties. <i>Journal of the American Chemical Society</i> , 2005, 127, 2990-2998.	6.6	36
99	Characterization of Arabinoxylan-Dehydrogenation Polymer (Synthetic Lignin Polymer) Nanoparticles. <i>Biomacromolecules</i> , 2007, 8, 1236-1245.	2.6	36
100	The Heterotrophic Dinoflagellate <i>Cryptocodinium cohnii</i> Defines a Model Genetic System To Investigate Cytoplasmic Starch Synthesis. <i>Eukaryotic Cell</i> , 2008, 7, 872-880.	3.4	35
101	Self-assembly of biodegradable copolyester and reactive HPMA-based polymers into nanoparticles as an alternative stealth drug delivery system. <i>Soft Matter</i> , 2012, 8, 9563.	1.2	35
102	Preparation of aqueous anionic poly-(urethane-urea) dispersions: Influence of the nature and proportion of the urethane groups on the dispersion and polymer properties. <i>Journal of Applied Polymer Science</i> , 2004, 94, 700-710.	1.3	34
103	Surface Assisted Nucleation and Growth of Polymer Latexes on Organically-Modified Inorganic Particles. <i>Macromolecular Symposia</i> , 2005, 229, 32-46.	0.4	34
104	Biodistribution of intravenously administered amphiphilic $\beta$ -cyclodextrin nanospheres. <i>International Journal of Pharmaceutics</i> , 2007, 344, 135-142.	2.6	34
105	Self-assembled biotransesterified cyclodextrins as Artemisinin nanocarriers I: Formulation, bioavailability and in vitro antimalarial activity assessment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 508-517.	2.0	34
106	Micro-mechanics of electrostatically stabilized suspensions of cellulose nanofibrils under steady state shear flow. <i>Soft Matter</i> , 2016, 12, 1721-1735.	1.2	34
107	pH-Sensitive Interactions between Cellulose Nanocrystals and DOPC Liposomes. <i>Biomacromolecules</i> , 2017, 18, 2918-2927.	2.6	34
108	Temperature-Controlled Star-Shaped Cellulose Nanocrystal Assemblies Resulting from Asymmetric Polymer Grafting. <i>ACS Macro Letters</i> , 2019, 8, 345-351.	2.3	34

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109	In Vitro Synthesis of Hyperbranched $\beta$ -Glucans Using a Biomimetic Enzymatic Toolbox. <i>Biomacromolecules</i> , 2013, 14, 438-447.	2.6	33
110	Periodate Oxidation Followed by $\text{NaBH}_4$ Reduction Converts Microfibrillated Cellulose into Sterically Stabilized Neutral Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2018, 34, 11066-11075.	1.6	33
111	Synthesis of Polymer Latex Particles Decorated with Organically-Modified Laponite Clay Platelets via Emulsion Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 421-431.	0.9	32
112	Distinct Functional Properties of Isoamylase-Type Starch Debranching Enzymes in Monocot and Dicot Leaves. <i>Plant Physiology</i> , 2013, 163, 1363-1375.	2.3	32
113	Transmission Electron Microscopy for the Characterization of Cellulose Nanocrystals. , 0, , .		32
114	Vesicles made of PS-PI cyclic diblock copolymers: In situ freeze-drying cryo-TEM and dynamic light scattering experiments. <i>Faraday Discussions</i> , 2005, 128, 163.	1.6	31
115	Helical Conformation in Crystalline Inclusion Complexes of $\alpha$ -Amylose: A Historical Perspective. <i>Macromolecular Symposia</i> , 2011, 303, 1-9.	0.4	31
116	Function of isoamylase-type starch debranching enzymes <i>ISA1</i> and <i>ISA2</i> in the <i>Zizania mays</i> leaf. <i>New Phytologist</i> , 2013, 200, 1009-1021.	3.5	31
117	PII1: a protein involved in starch initiation that determines granule number and size in Arabidopsis chloroplast. <i>New Phytologist</i> , 2019, 221, 356-370.	3.5	31
118	Breakdown and buildup mechanisms of cellulose nanocrystal suspensions under shear and upon relaxation probed by SAXS and SALS. <i>Carbohydrate Polymers</i> , 2021, 260, 117751.	5.1	31
119	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
120	Designing Organic/Inorganic Colloids by Heterophase Polymerization. <i>Macromolecular Symposia</i> , 2007, 248, 213-226.	0.4	30
121	$\beta$ -glucan transition of cellulose under ultrasonic radiation. <i>Cellulose</i> , 2013, 20, 597-603.	2.4	30
122	Self-Assembly of Maltoheptaose-block-Polystyrene into Micellar Nanoparticles and Encapsulation of Gold Nanoparticles. <i>Langmuir</i> , 2013, 29, 15224-15230.	1.6	30
123	Chitin nanocrystals as Pickering stabilizer for O/W emulsions: Effect of the oil chemical structure on the emulsion properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111604.	2.5	30
124	Raster microdiffraction with synchrotron radiation of hydrated biopolymers with nanometre step-resolution: case study of starch granules. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 743-750.	1.0	29
125	Transmission electron microscopy of cellulose. Part 2: technical and practical aspects. <i>Cellulose</i> , 2019, 26, 17-34.	2.4	29
126	Synthesis of oily core-shell hybrid shell nanocapsules through interfacial free radical copolymerization in miniemulsion: Droplet formation and nucleation. <i>Journal of Polymer Science Part A</i> , 2010, 48, 593-603.	2.5	28



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127	Self-Assembly of an Amphiphilic Iron(III) Chelator: Mimicking Iron Acquisition in Marine Bacteria. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2580-2582.	7.2	27
128	In-situ glyoxalization during biosynthesis of bacterial cellulose. <i>Carbohydrate Polymers</i> , 2015, 126, 32-39.	5.1	27
129	Poly(ethylene glycol) Hydroxystearate-Based Nanosized Emulsions: Effect of Surfactant Concentration on Their Formation and Ability to Solubilize Quercetin. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 202-210.	0.5	26
130	Diversity of potential hydrogen bonds in cellulose I revealed by molecular dynamics simulation. <i>Cellulose</i> , 2014, 21, 897-908.	2.4	26
131	Hybrid nanocellulose decorated with silver nanoparticles as reinforcing filler with antibacterial properties. <i>Materials Science and Engineering C</i> , 2019, 105, 110044.	3.8	26
132	Dislocations stopped by the $\hat{\epsilon} = 9$ (122) grain boundary in Si. An HREM study of thermal activation. <i>Journal De Physique</i> , 1989, 50, 2525-2540.	1.8	26
133	Micellar Aggregation in Blends of Linear and Cyclic Poly(styrene-b-isoprene) Diblock Copolymers. <i>Langmuir</i> , 2005, 21, 9085-9090.	1.6	25
134	Single Crystals of $\hat{\epsilon}$ -Amylose Inclusion Complexes. <i>Macromolecular Symposia</i> , 2008, 273, 1-8.	0.4	25
135	Origin of the Limited $\hat{\epsilon}$ -Amylolysis of Debranched Maltodextrins Crystallized in the A Form: A TEM Study on Model Substrates. <i>Biomacromolecules</i> , 2004, 5, 119-125.	2.6	24
136	A-Type Crystals from Dilute Solutions of Short Amylose Chains. <i>Biomacromolecules</i> , 2010, 11, 3049-3058.	2.6	24
137	Fine microstructure of processed chitosan nanofibril networks preserving directional packing and high molecular weight. <i>Carbohydrate Polymers</i> , 2015, 131, 1-8.	5.1	24
138	Miscellaneous nanoaggregates made of $\hat{\epsilon}$ -CD esters synthesised by an enzymatic pathway. <i>International Journal of Pharmaceutics</i> , 2007, 344, 26-32.	2.6	23
139	Crystalline Structure in Starch. , 2015, , 61-90.		23
140	Cellulose nanofibrils prepared by twin-screw extrusion: Effect of the fiber pretreatment on the fibrillation efficiency. <i>Carbohydrate Polymers</i> , 2020, 240, 116342.	5.1	23
141	Plasticity of a silicon bicrystal: a HREM study. <i>Microscopy Microanalysis Microstructures</i> , 1990, 1, 395-404.	0.4	23
142	Aqueous Self-Assembly of Polystyrene Chains End-Functionalized with $\hat{\epsilon}$ -Cyclodextrin. <i>Biomacromolecules</i> , 2009, 10, 449-453.	2.6	22
143	Influence of amylopectin structure and degree of phosphorylation on the molecular composition of potato starch lintners. <i>Biopolymers</i> , 2014, 101, 257-271.	1.2	22
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