

Jean-Luc Putaux

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215
papers

11,453
citations

52
h-index

99
g-index

224
ext. papers

12,563
ext. citations

5.9
avg, IF

6.23
L-index

#	Paper	IF	Citations
215	Crystal and molecular structure of V-amylose complexed with butan-1-ol. <i>Polymer</i> , 2022 , 243, 124651	3.9	0
214	Recent Advances in Electron Microscopy of Carbohydrate Nanoparticles.. <i>Frontiers in Chemistry</i> , 2022 , 10, 835663	5	0
213	Twin-screw extrusion for the production of nanocellulose-PVA gels with a high solid content.. <i>Carbohydrate Polymers</i> , 2022 , 286, 119308	10.3	0
212	Hybrid levan-Ag/AgCl nanoparticles produced by UV-irradiation: properties, antibacterial efficiency and application in bioactive poly(vinyl alcohol) films. 2021 , 11, 38990-39003		1
211	Crosslinkable dextrin-coated latex via surfactant-free emulsion polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 127776	5.1	0
210	Hierarchical Self-Assembly of Amphiphilic EC-Glycosylbarbiturates into Multiresponsive Alginate-Like Supramolecular Hydrogel Fibers and Vesicle Hydrogel. <i>Chemistry - A European Journal</i> , 2021 , 27, 16716-16721	4.8	1
209	Manufacturing of starch-based materials using ultrasonic compression moulding (UCM): toward a structural application. <i>Heliyon</i> , 2021 , 7, e06482	3.6	1
208	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	6	16
207	Optimized reducing-end labeling of cellulose nanocrystals: Implication for the structure of microfibril bundles in plant cell walls. <i>Carbohydrate Polymers</i> , 2021 , 257, 117618	10.3	9
206	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	10.3	12
205	Crystal and molecular structure of V-amylose complexed with ibuprofen. <i>Carbohydrate Polymers</i> , 2021 , 261, 117885	10.3	6
204	Polymorphism of V-amylose cocrystallized with aliphatic diols. <i>Polymer</i> , 2021 , 213, 123302	3.9	4
203	Temperature-triggered formation of a cellulose II nanocrystal network through regioselective derivatization. <i>Nanoscale</i> , 2021 , 13, 6447-6460	7.7	5
202	Honeycomb Organization of Chitin Nanocrystals (ChNCs) in Nanocomposite Films of UV-Cured Waterborne Acrylated Epoxidized Soybean Oil Emulsified with ChNCs. <i>Biomacromolecules</i> , 2021 , 22, 3780-3790	6.9	4
201	Influence of microwave treatment on the structure and functionality of pure amylose and amylopectin systems. <i>Food Hydrocolloids</i> , 2021 , 119, 106856	10.6	5
200	A cobalt oxide/polypyrrole nanocomposite as an efficient and stable electrode material for electrocatalytic water oxidation. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4710-4723	5.8	1
199	Cellulose nanofibrils prepared by twin-screw extrusion: Effect of the fiber pretreatment on the fibrillation efficiency. <i>Carbohydrate Polymers</i> , 2020 , 240, 116342	10.3	8

198	Vinyltriethoxysilane-functionalized starch nanocrystals as Pickering stabilizer in emulsion polymerization of acrylic monomers. Application in nanocomposites and pressure-sensitive adhesives. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 533-546	9.3	10
197	Synthesis and magnetic manipulation of hybrid nanobeads based on Fe ₃ O ₄ nanoclusters and hyaluronic acid grafted with an ethylene glycol-based copolymer. <i>Applied Surface Science</i> , 2020 , 510, 145354	6.7	3
196	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	10.3	23
195	Competing Molecular Packing of Blocks in a Lamella-Forming Carbohydrate-block-poly(3-hexylthiophene) Copolymer. <i>Macromolecules</i> , 2020 , 53, 9054-9064	5.5	6
194	Pharmacokinetic study of intravenously administered artemisinin-loaded surface-decorated amphiphilic Cyclodextrin nanoparticles. <i>Materials Science and Engineering C</i> , 2020 , 106, 110281	8.3	9
193	Layered organization of anisometric cellulose nanocrystals and beidellite clay particles accumulated near the membrane surface during cross-flow ultrafiltration: In situ SAXS and ex situ SEM/WAXD characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 584, 121888	5.1	5
192	Polyglucosan body structure in Lafora disease. <i>Carbohydrate Polymers</i> , 2020 , 240, 116260	10.3	8
191	NegFluo, a Fast and Efficient Method to Determine Starch Granule Size and Morphology in Plant Chloroplasts. <i>Frontiers in Plant Science</i> , 2019 , 10, 1075	6.2	2
190	Intra-Sample Heterogeneity of Potato Starch Reveals Fluctuation of Starch-Binding Proteins According to Granule Morphology. <i>Plants</i> , 2019 , 8,	4.5	3
189	Temperature-Controlled Star-Shaped Cellulose Nanocrystal Assemblies Resulting from Asymmetric Polymer Grafting. <i>ACS Macro Letters</i> , 2019 , 8, 345-351	6.6	25
188	Deletion of BSG1 in <i>Chlamydomonas reinhardtii</i> leads to abnormal starch granule size and morphology. <i>Scientific Reports</i> , 2019 , 9, 1990	4.9	8
187	PII1: a protein involved in starch initiation that determines granule number and size in Arabidopsis chloroplast. <i>New Phytologist</i> , 2019 , 221, 356-370	9.8	21
186	Impact of sonication on the rheological and colloidal properties of highly concentrated cellulose nanocrystal suspensions. <i>Cellulose</i> , 2019 , 26, 7619-7634	5.5	26
185	Hybrid nanocellulose decorated with silver nanoparticles as reinforcing filler with antibacterial properties. <i>Materials Science and Engineering C</i> , 2019 , 105, 110044	8.3	18
184	Microstructural and mechanical properties of biocomposites made of native starch granules and wood fibers. <i>Composites Science and Technology</i> , 2019 , 182, 107755	8.6	10
183	Single Crystals of V-Amylose Complexed with Bicyclic Organic Compounds. <i>Macromolecular Symposia</i> , 2019 , 386, 1900007	0.8	5
182	The architecture of lipid droplets in the diatom <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2019 , 38, 101415	5	33
181	In Vitro Synthesis and Crystallization of α -D-Glucopyranosyl 1,4-Mannan. <i>Biomacromolecules</i> , 2019 , 20, 846-853	6.9	9

180	Transmission electron microscopy of cellulose. Part 2: technical and practical aspects. <i>Cellulose</i> , 2019 , 26, 17-34	5.5	20
179	Transmission electron microscopy of cellulose. Part 1: historical perspective. <i>Cellulose</i> , 2019 , 26, 5-15	5.5	5
178	Inline Coupling of Electrokinetic Preconcentration Method to Taylor Dispersion Analysis for Size-Based Characterization of Low-UV-Absorbing Nanoparticles. <i>Analytical Chemistry</i> , 2018 , 90, 2493-2500	7.8	16
177	Rubber materials from elastomers and nanocellulose powders: filler dispersion and mechanical reinforcement. <i>Soft Matter</i> , 2018 , 14, 2638-2648	3.6	32
176	Macromolecular structure and film properties of enzymatically-engineered high molar mass dextrans. <i>Carbohydrate Polymers</i> , 2018 , 181, 337-344	10.3	9
175	Polymorphism of crystalline complexes of V-amylose with fatty acids. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 555-564	7.9	25
174	Nickel oxide/polypyrrole nanocomposite electrode materials for electrocatalytic water oxidation. <i>Catalysis Science and Technology</i> , 2018 , 8, 4030-4043	5.5	14
173	Periodate Oxidation Followed by NaBH Reduction Converts Microfibrillated Cellulose into Sterically Stabilized Neutral Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2018 , 34, 11066-11075	4	22
172	Ultrafine heat-induced structural perturbations of bone mineral at the individual nanocrystal level. <i>Acta Biomaterialia</i> , 2018 , 73, 500-508	10.8	3
171	Measurement of the displacement field around an edge dislocation in silicon to 3 pm by high-resolution electron microscopy 2018 , 11-14		
170	Structural changes on polymeric nanoparticles induced by hydrophobic drug entrapment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 538, 238-249	5.1	11
169	Morphology of the nanocellulose produced by periodate oxidation and reductive treatment of cellulose fibers. <i>Cellulose</i> , 2018 , 25, 3899-3911	5.5	31
168	Self-Assembly of Amphiphilic Biotransesterified Cyclodextrins: Supramolecular Structure of Nanoparticles and Surface Properties. <i>Langmuir</i> , 2017 , 33, 7917-7928	4	12
167	pH-Sensitive Interactions between Cellulose Nanocrystals and DOPC Liposomes. <i>Biomacromolecules</i> , 2017 , 18, 2918-2927	6.9	27
166	New nanoparticles obtained by co-assembly of amphiphilic cyclodextrins and nonlamellar single-chain lipids: Preparation and characterization. <i>International Journal of Pharmaceutics</i> , 2017 , 531, 444-456	6.5	5
165	Development of Nasal Lipid Nanocarriers Containing Curcumin for Brain Targeting. <i>Journal of Alzheimer's Disease</i> , 2017 , 59, 961-974	4.3	23
164	Mesoporous self-assembled nanoparticles of biotransesterified cyclodextrins and nonlamellar lipids as carriers of water-insoluble substances. <i>Soft Matter</i> , 2016 , 12, 7539-7550	3.6	60
163	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	10.3	125

162	Characterization of Function of the GlgA2 Glycogen/Starch Synthase in Cyanobacterium sp. Clg1 Highlights Convergent Evolution of Glycogen Metabolism into Starch Granule Aggregation. <i>Plant Physiology</i> , 2016 , 171, 1879-92	6.6	9
161	Impact of full range of amylose contents on the architecture of starch granules. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 305-18	7.9	17
160	Influence of the maturation time on the physico-chemical properties of nanocellulose and associated constituents isolated from pseudostems of banana plant c.v. Valery. <i>Industrial Crops and Products</i> , 2016 , 83, 551-560	5.9	17
159	Effectiveness of thermo-compression for manufacturing native starch bulk materials. <i>Journal of Materials Science</i> , 2016 , 51, 5146-5159	4.3	6
158	Influence of combined mechanical treatments on the morphology and structure of cellulose nanofibrils: Thermal and mechanical properties of the resulting films. <i>Industrial Crops and Products</i> , 2016 , 85, 1-10	5.9	46
157	Micro-mechanics of electrostatically stabilized suspensions of cellulose nanofibrils under steady state shear flow. <i>Soft Matter</i> , 2016 , 12, 1721-35	3.6	26
156	Lipid-based nanocarrier for quercetin delivery: system characterization and molecular interactions studies. <i>Drug Development and Industrial Pharmacy</i> , 2016 , 42, 1165-73	3.6	10
155	Expression of Escherichia coli glycogen branching enzyme in an Arabidopsis mutant devoid of endogenous starch branching enzymes induces the synthesis of starch-like polyglucans. <i>Plant, Cell and Environment</i> , 2016 , 39, 1432-47	8.4	9
154	Assessment of the encapsulation effect of phenolic compounds from Spirulina sp. LEB-18 on their antifusarium activities. <i>Food Chemistry</i> , 2016 , 211, 616-23	8.5	32
153	On the origins of the elasticity of cellulose nanofiber nanocomposites and nanopapers: a micromechanical approach. <i>RSC Advances</i> , 2016 , 6, 47258-47271	3.7	13
152	Tunable Aggregation and Gelation of Thermoresponsive Suspensions of Polymer-Grafted Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2016 , 17, 2112-9	6.9	43
151	Crystallite orientation maps in starch granules from polarized Raman spectroscopy (PRS) data. <i>Carbohydrate Polymers</i> , 2016 , 154, 70-6	10.3	5
150	Comprehensive morphological and structural investigation of cellulose I and II nanocrystals prepared by sulphuric acid hydrolysis. <i>RSC Advances</i> , 2016 , 6, 76017-76027	3.7	59
149	Rheological Properties and Electrospinnability of High-Amylose Starch in Formic Acid. <i>Biomacromolecules</i> , 2015 , 16, 2529-36	6.9	50
148	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	6.7	49
147	In-situ glyoxalization during biosynthesis of bacterial cellulose. <i>Carbohydrate Polymers</i> , 2015 , 126, 32-9	10.3	22
146	Surface peeling of cellulose nanocrystals resulting from periodate oxidation and reductive amination with water-soluble polymers. <i>Cellulose</i> , 2015 , 22, 3701-3714	5.5	38
145	Transmission Electron Microscopy for the Characterization of Cellulose Nanocrystals 2015 ,		24

144	Crystalline Structure in Starch 2015 , 61-90		9
143	Fine microstructure of processed chitosan nanofibril networks preserving directional packing and high molecular weight. <i>Carbohydrate Polymers</i> , 2015 , 131, 1-8	10.3	14
142	Preparation of cellulose II and III films by allomorphic conversion of bacterial cellulose I pellicles. <i>Materials Science and Engineering C</i> , 2015 , 51, 167-73	8.3	8
141	Nanofibrillar cellulose from <i>Posidonia oceanica</i> : Properties and morphological features. <i>Industrial Crops and Products</i> , 2015 , 72, 97-106	5.9	41
140	Diversity of potential hydrogen bonds in cellulose I revealed by molecular dynamics simulation. <i>Cellulose</i> , 2014 , 21, 897-908	5.5	22
139	Characterization of hyperbranched glycopolymers produced in vitro using enzymes. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1607-18	4.4	19
138	Cellulose Microfibrils Isolated from Musaceae Fibrous Residues 2014 , 43-61		
137	Surface modification of cellulose microfibrils by periodate oxidation and subsequent reductive amination with benzylamine: a topochemical study. <i>Cellulose</i> , 2014 , 21, 4119-4133	5.5	61
136	From gold porphyrins to gold nanoparticles: catalytic nanomaterials for glucose oxidation. <i>Nanoscale</i> , 2014 , 6, 8556-60	7.7	18
135	Self-assembled biotransesterified cyclodextrins as potential Artemisinin nanocarriers. II: In vitro behavior toward the immune system and in vivo biodistribution assessment of unloaded nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 683-94	5.7	13
134	Influence of the acid type in the production of chitosan films reinforced with bacterial nanocellulose. <i>International Journal of Biological Macromolecules</i> , 2014 , 69, 208-13	7.9	45
133	Production of Bacterial Cellulose: Use of a New Strain of Microorganism. <i>Materials and Energy</i> , 2014 , 105-122		
132	Influence of amylopectin structure and degree of phosphorylation on the molecular composition of potato starch lintners. <i>Biopolymers</i> , 2014 , 101, 257-71	2.2	20
131	Tracking sulfur and phosphorus within single starch granules using synchrotron X-ray microfluorescence mapping. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 113-9	4	14
130	Progress in developing amphiphilic cyclodextrin-based nanodevices for drug delivery. <i>Current Topics in Medicinal Chemistry</i> , 2014 , 14, 526-41	3	18
129	Transition of cellulose under ultrasonic radiation. <i>Cellulose</i> , 2013 , 20, 597-603	5.5	21
128	Function of isoamylase-type starch debranching enzymes ISA1 and ISA2 in the <i>Zea mays</i> leaf. <i>New Phytologist</i> , 2013 , 200, 1009-21	9.8	27
127	Cerium oxide encapsulation by emulsion polymerization using hydrophilic macroRAFT agents. <i>Polymer Chemistry</i> , 2013 , 4, 607-614	4.9	58

126	Characterization of substrate and product specificity of the purified recombinant glycogen branching enzyme of <i>Rhodothermus obamensis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 2167-77	4	49
125	Self-assembly of maltoheptaose-block-polystyrene into micellar nanoparticles and encapsulation of gold nanoparticles. <i>Langmuir</i> , 2013 , 29, 15224-30	4	26
124	In vitro synthesis of hyperbranched β -glucans using a biomimetic enzymatic toolbox. <i>Biomacromolecules</i> , 2013 , 14, 438-47	6.9	24
123	<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	2.2	74
122	Distinct functional properties of isoamylase-type starch debranching enzymes in monocot and dicot leaves. <i>Plant Physiology</i> , 2013 , 163, 1363-75	6.6	27
121	Convergent evolution of polysaccharide debranching defines a common mechanism for starch accumulation in cyanobacteria and plants. <i>Plant Cell</i> , 2013 , 25, 3961-75	11.6	18
120	Preparation, morphology and structure of cellulose nanocrystals from bamboo fibers. <i>Cellulose</i> , 2012 , 19, 1527-1536	5.5	141
119	Glucose slows down the heat-induced aggregation of β -lactoglobulin at neutral pH. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 214-9	5.7	35
118	Bacterial cellulose produced by a new acid-resistant strain of <i>Gluconacetobacter</i> genus. <i>Carbohydrate Polymers</i> , 2012 , 89, 1033-7	10.3	143
117	Self-assembled biotransesterified cyclodextrins as Artemisinin nanocarriers - I: formulation, lyoavailability and in vitro antimalarial activity assessment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 80, 508-17	5.7	29
116	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	3.6	33
115	Stabilization of miniemulsion droplets by cerium oxide nanoparticles: a step toward the elaboration of armored composite latexes. <i>Langmuir</i> , 2012 , 28, 6163-74	4	40
114	Reorientation of cellulose nanowhiskers in agarose hydrogels under tensile loading. <i>Biomacromolecules</i> , 2012 , 13, 850-6	6.9	77
113	Silica encapsulation by miniemulsion polymerization: distribution and localization of the silica particles in droplets and latex particles. <i>Langmuir</i> , 2012 , 28, 6021-31	4	57
112	Surface free energy of films of alkali-treated cellulose microfibrils from banana rachis. <i>Composite Interfaces</i> , 2012 , 19, 29-37	2.3	4
111	Physicochemical and morphological characterizations of glyceryl tristearate/castor oil nanocarriers prepared by the solvent diffusion method. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 1972-1981 ¹⁻⁵	7	
110	Monodisperse nanoparticles from self-assembling amphiphilic cyclodextrins: modulable tools for the encapsulation and controlled release of pharmaceuticals. <i>Medicinal Chemistry</i> , 2012 , 8, 524-32	1.8	13
109	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, 202-10	4	22

108	Physicochemical characterization of β and γ -cyclodextrins bioesterified with decanoate chains used as building blocks of colloidal nanoparticles. <i>Biomacromolecules</i> , 2011 , 12, 3031-8	6.9	14
107	Structural characterization of bacterial cellulose produced by <i>Gluconacetobacter swingsii</i> sp. from Colombian agroindustrial wastes. <i>Carbohydrate Polymers</i> , 2011 , 84, 96-102	10.3	260
106	Morphology and structure of A-amylose single crystals. <i>Polymer</i> , 2011 , 52, 2198-2205	3.9	10
105	Helical Conformation in Crystalline Inclusion Complexes of V-Amylose: A Historical Perspective. <i>Macromolecular Symposia</i> , 2011 , 303, 1-9	0.8	22
104	Preparation by grafting onto, characterization, and properties of thermally responsive polymer-decorated cellulose nanocrystals. <i>Biomacromolecules</i> , 2010 , 11, 3652-9	6.9	192
103	A-type crystals from dilute solutions of short amylose chains. <i>Biomacromolecules</i> , 2010 , 11, 3049-58	6.9	22
102	B \rightarrow A Allomorphic transition in native starch and amylose spherocrystals monitored by in situ synchrotron X-ray diffraction. <i>Biomacromolecules</i> , 2010 , 11, 76-87	6.9	42
101	Molecular and Crystal Structure of 7-Fold V-Amylose Complexed with 2-Propanol. <i>Macromolecules</i> , 2010 , 43, 8628-8636	5.5	49
100	High solids content, soap-free, film-forming latexes stabilized by laponite clay platelets. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1874-80	4.8	45
99	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, 743-50	2.4	26
98	Synthesis of oily core-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	26
97	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, 21126-30	11.5	34
96	From Molecular to Nanostructured Iron Complexes of Amphiphilic Chelators Based on 8-Hydroxyquinoline Subunits Evidence of Self-Assembled Edifices Mimicking Siderophores from Marine Bacteria. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 86-92	2.3	2
95	Cellulose microfibrils from banana rachis: Effect of alkaline treatments on structural and morphological features. <i>Carbohydrate Polymers</i> , 2009 , 76, 51-59	10.3	305
94	Colloidal systems made of biotransesterified β and γ -cyclodextrins grafted with C10 alkyl chains. <i>Materials Science and Engineering C</i> , 2009 , 29, 458-462	8.3	16
93	The molecular structure of waxy maize starch nanocrystals. <i>Carbohydrate Research</i> , 2009 , 344, 1558-66	2.9	73
92	Polyester nanoparticles presenting mannose residues: toward the development of new vaccine delivery systems combining biodegradability and targeting properties. <i>Biomacromolecules</i> , 2009 , 10, 651-7	6.9	73
91	Aqueous self-assembly of polystyrene chains end-functionalized with beta-cyclodextrin. <i>Biomacromolecules</i> , 2009 , 10, 449-53	6.9	22

90	Crystal Structure of A-amylose: A Revisit from Synchrotron Microdiffraction Analysis of Single Crystals. <i>Macromolecules</i> , 2009 , 42, 1167-1174	5.5	103
89	In vitro model assemblies to study the impact of lignin-carbohydrate interactions on the enzymatic conversion of xylan. <i>Biomacromolecules</i> , 2009 , 10, 2489-98	6.9	37
88	Self-assembling and chiral nematic properties of organophilic cellulose nanocrystals. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 11069-75	3.4	73
87	Formation of polymer vesicles by simultaneous chain growth and self-assembly of amphiphilic block copolymers. <i>Chemical Communications</i> , 2009 , 2887-9	5.8	130
86	Effect of the polymer nature on the structural organization of lipid/polymer particle assemblies. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 13812-22	3.4	39
85	Kinetics of fibril formation of bovine kappa-casein indicate a conformational rearrangement as a critical step in the process. <i>Journal of Molecular Biology</i> , 2008 , 381, 1267-80	6.5	50
84	The shape and size distribution of crystalline nanoparticles prepared by acid hydrolysis of native cellulose. <i>Biomacromolecules</i> , 2008 , 9, 57-65	6.9	892
83	Pathway of cytosolic starch synthesis in the model glaucophyte <i>Cyanophora paradoxa</i> . <i>Eukaryotic Cell</i> , 2008 , 7, 247-57		43
82	Metabolic symbiosis and the birth of the plant kingdom. <i>Molecular Biology and Evolution</i> , 2008 , 25, 536-483		132
81	Variation in storage alpha-glucans of the Porphyridiales (Rhodophyta). <i>Plant and Cell Physiology</i> , 2008 , 49, 103-16	4.9	46
80	The heterotrophic dinoflagellate <i>Cryptocodinium cohnii</i> defines a model genetic system to investigate cytoplasmic starch synthesis. <i>Eukaryotic Cell</i> , 2008 , 7, 872-80		31
79	Single Crystals of V-Amylose Inclusion Complexes. <i>Macromolecular Symposia</i> , 2008 , 273, 1-8	0.8	23
78	TEM characterization of organic nanocrystals grown in sol-gel thin films. <i>Journal of Nanoparticle Research</i> , 2008 , 10, 129-139	2.3	2
77	Mannosylated poly(ethylene oxide)-b-poly(epsilon-caprolactone) diblock copolymers: synthesis, characterization, and interaction with a bacterial lectin. <i>Biomacromolecules</i> , 2007 , 8, 2717-25	6.9	43
76	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	3.9	165
75	Single crystals of V-amylose complexed with alpha-naphthol. <i>Biomacromolecules</i> , 2007 , 8, 1319-26	6.9	52
74	Characterization of arabinoxylan-dehydrogenation polymer (synthetic lignin polymer) nanoparticles. <i>Biomacromolecules</i> , 2007 , 8, 1236-45	6.9	33
73	Designing Organic/Inorganic Colloids by Heterophase Polymerization. <i>Macromolecular Symposia</i> , 2007 , 248, 213-226	0.8	28

72	Self-Association and Crystallization of Amylose. <i>Australian Journal of Chemistry</i> , 2007 , 60, 706	1.2	109
71	Polymer/Laponite Composite Latexes: Particle Morphology, Film Microstructure, and Properties. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1567-1573	4.8	77
70	Influence of alkali concentration on the deproteinization and/or gelatinization of rice starch. <i>Carbohydrate Polymers</i> , 2007 , 70, 160-165	10.3	56
69	Miscellaneous nanoaggregates made of beta-CD esters synthesised by an enzymatic pathway. <i>International Journal of Pharmaceutics</i> , 2007 , 344, 26-32	6.5	19
68	Biodistribution of intravenously administered amphiphilic beta-cyclodextrin nanospheres. <i>International Journal of Pharmaceutics</i> , 2007 , 344, 135-42	6.5	29
67	Cellulose microfibrils from banana farming residues: isolation and characterization. <i>Cellulose</i> , 2007 , 14, 585-592	5.5	169
66	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	10.6	118
65	Synthesis of PEDOT Nanoparticles and Vesicles by Dispersion Polymerization in Alcoholic Media. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1446-1453	4.8	41
64	Effect of aluminum on the formation of silver metal quantum dots in sol-gel derived alumino-silicate glass film. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3399-403	1.3	1
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