VÃ©ronique AguiÃ©-BÃ©ghin

List of Publications by Year
in descending order

33 papers	1,071 citations	394286 19 h-index	414303 32 g-index
33 all docs	33 docs citations	33 times ranked	1424 citing authors

#	Article	IF	Citations
1	Natural Organic UV-Absorbent Coatings Based on Cellulose and Lignin: Designed Effects on Spectroscopic Properties. Biomacromolecules, 2012, 13, 4081-4088.	2.6	134
2	Langmuirâ€“Blodgett films of cellulose nanocrystals: Preparation and characterization. Journal of Colloid and Interface Science, 2007, 316, 388-397.	5.0	111
3	A zoom into the nanoscale texture of secondary cell walls. Plant Methods, 2014, 10, 1.	1.9	89
4	Toward Sustainable PLA-Based Multilayer Complexes with Improved Barrier Properties. ACS Sustainable Chemistry and Engineering, 2019, 7, 3759-3771.	3.2	57
5	Î²-Casein and Symmetrical Triblock Copolymer (PEOâ^'PPOâ^'PEO and PPOâ^'PEOâ^'PPO) Surface Properties at the Airâ^'Water Interface. Langmuir, 2004, 20, 756-763.	1.6	51
6	Asymmetric Multiblock Copolymers at the Gasâ€“Liquid Interface: Phase Diagram and Surface Pressure. Journal of Colloid and Interface Science, 1999, 214, 143-155.	5.0	44
7	A structural study of Î²-casein adsorbed layers at the airâ€“water interface using X-ray and neutron reflectivity. International Journal of Biological Macromolecules, 1998, 23, 73-84.	3.6	43
8	Elaboration of Extensinâ^'Pectin Thin Film Model of Primary Plant Cell Wall. Langmuir, 2010, 26, 9891-9898.	1.6	41
9	Isolation and analysis of macromolecular fractions responsible for the surface properties in native Champagne wines. Food Research International, 2010, 43, 982-987.	2.9	36
10	Layers of Macromolecules at the Champagne/Air Interface and the Stability of Champagne Bubbles. Langmuir, 2001, 17, 791-797.	1.6	33
11	Use of Food and Packaging Model Matrices to Investigate the Antioxidant Properties of Biorefinery Grass Lignins. Journal of Agricultural and Food Chemistry, 2015, 63, 10022-10031.	2.4	32
12	Effects of Epigallocatechin Gallate on Î²-Casein Adsorption at the Air/Water Interface. Langmuir, 2003, 19, 737-743.	1.6	30
13	Structure and optical properties of plant cell wall bio-inspired materials: Celluloseâ€“lignin multilayer nanocomposites. Comptes Rendus - Biologies, 2011, 334, 839-850.	0.1	29
14	Atomic force microscopy reveals how relative humidity impacts the Youngâ€™s modulus of lignocellulosic polymers and their adhesion with cellulose nanocrystals at the nanoscale. International Journal of Biological Macromolecules, 2020, 147, 1064-1075.	3.6	27
15	Polymer thermodynamics of adsorbed protein layers. Current Opinion in Colloid and Interface Science, 2003, 8, 380-386.	3.4	26
16	Effect of Frequency and Temperature on Rheological Properties of Î²-Casein Adsorption Layers. Langmuir, 2003, 19, 72-78.	1.6	26
17	Langmuirâ€“Blodgett Procedure to Precisely Control the Coverage of Functionalized AFM Cantilevers for SMFS Measurements: Application with Cellulose Nanocrystals. Langmuir, 2018, 34, 9376-9386.	1.6	26
18	Enhancing the Antioxidant Activity of Technical Lignins by Combining Solvent Fractionation and Ionicâ€Liquid Treatment. ChemSusChem, 2019, 12, 4799-4809.	3.6	24

#	Article	IF	Citations
19	Is Grape Invertase a Major Component of the Adsorption Layer Formed at the Air/Champagne Wine Interface?. Langmuir, 2001, 17, 2206-2212.	1.6	21
20	Action of lytic polysaccharide monooxygenase on plant tissue is governed by cellular type. Scientific Reports, 2017, 7, 17792.	1.6	21
21	Tuning the functional properties of lignocellulosic films by controlling the molecular and supramolecular structure of lignin. International Journal of Biological Macromolecules, 2021, 181, 136-149.	3.6	20
22	Thermal denaturation and gelation of rubisco: effects of pH and ions. International Journal of Biological Macromolecules, 1996, 19, 271-277.	3.6	19
23	Structure and Properties of Adsorption Layers of Î²-Casein Formed from Guanidine Hydrochloride Rich Solutions. Langmuir, 2001, 17, 1896-1904.	1.6	19
24	Dual Antioxidant Properties and Organic Radical Stabilization in Cellulose Nanocomposite Films Functionalized by In Situ Polymerization of Coniferyl Alcohol. Biomacromolecules, 2020, 21, 3163-3175.	2.6	19
25	Influence of the polarity of the matrix on the breakage mechanisms of lignocellulosic fibers during twinâ€screw extrusion. Polymer Composites, 2020, 41, 1106-1117.	2.3	18
26	Formation and Characterization of Spread Lignin Layers at the Air/Water Interface. Langmuir, 2002, 18, 5190-5196.	1.6	16
27	Modeling Progression of Fluorescent Probes in Bioinspired Lignocellulosic Assemblies. Biomacromolecules, 2013, 14, 2196-2205.	2.6	14
28	Preparation of Ordered Films of Cellulose Nanocrystals. ACS Symposium Series, 2010, , 115-136.	0.5	11
29	Real Time and Quantitative Imaging of Lignocellulosic Films Hydrolysis by Atomic Force Microscopy Reveals Lignin Recalcitrance at Nanoscale. Biomacromolecules, 2019, 20, 515-527.	2.6	11
30	Nafion membranes reinforced by cellulose nanocrystals for fuel cell applications: aspect ratio and heat treatment effects on physical properties. Journal of Materials Science, 2022, 57, 4684-4703.	1.7	10
31	Coniferyl alcohol reactivity at the air/water interface. Comptes Rendus - Biologies, 2004, 327, 777-784.	0.1	7
32	Radiation-induced graft polymerization of N-isopropyl acrylamide onto microcrystalline cellulose: Assessing the efficiency of the peroxidation method. Radiation Physics and Chemistry, 2022, 194, 110038.	1.4	6
33	Substrate and film structure impacts on adhesion properties between lignocellulosic polymers. Materials Research Society Symposia Proceedings, 2012, 1422, 1.	0.1	0