Barbara Bellich

List of Publications by Year in Descending Order

34 papers	1,073 citations	13 h-index	32 g-index
34 ext. papers	1,245 ext. citations	5.6 avg, IF	4.27 L-index

#	Paper	IF	Citations
34	Pellicle Biofilm Formation in J2315 is Epigenetically Regulated through WspH, a Hybrid Two-Component System Kinase-Response Regulator.. *Journal of Bacteriology*, **2022**, e0001722	3.5	0
33	Characterisation of a new cell wall teichoic acid produced by Listeria innocua M39 and analysis of its biosynthesis genes.. *Carbohydrate Research*, **2021**, 511, 108499	2.9	0
32	Lyophilized alginate-based microspheres containing Lactobacillus fermentum D12, an exopolysaccharides producer, contribute to the strain's functionality in vitro. *Microbial Cell Factories*, **2021**, 20, 85	6.4	4
31	The biofilm of Burkholderia cenocepacia H111 contains an exopolysaccharide composed of l-rhamnose and l-mannose: Structural characterization and molecular modelling. *Carbohydrate Research*, **2021**, 499, 108231	2.9	1
30	Oligosaccharides Derived from Tramesan: Their Structure and Activity on Mycotoxin Inhibition in and. *Biomolecules*, **2021**, 11,	5.9	3
29	H111 Produces a Water-Insoluble Exopolysaccharide in Biofilm: Structural Determination and Molecular Modelling. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
28	Determination of the capsular polysaccharide structure of the Klebsiella pneumoniae ST512 representative strain KPB-1 and assignments of the glycosyltransferases functions. *International Journal of Biological Macromolecules*, **2020**, 155, 315-323	7.9	3
27	Proteomic Studies of the Biofilm Matrix including Outer Membrane Vesicles of C1576, a Strain of Clinical Importance for Cystic Fibrosis. *Microorganisms*, **2020**, 8,	4.9	2
26	The Exopolysaccharide Cepacian Plays a Role in the Establishment of the - Symbiosis. *Frontiers in Microbiology*, **2020**, 11, 1600	5.7	5
25	The polysaccharide extracted from the biofilm of Burkholderia multivorans strain C1576 binds hydrophobic species and exhibits a compact 3D-structure. *International Journal of Biological Macromolecules*, **2019**, 136, 944-950	7.9	6
24	PEG hydration and conformation in aqueous solution: Hints to macromolecular crowding. *Polymer*, **2019**, 175, 57-64	3.9	4
23	Structure of the capsular polysaccharide of the KPC-2-producing Klebsiella pneumoniae strain KK207-2 and assignment of the glycosyltransferases functions. *International Journal of Biological Macromolecules*, **2019**, 130, 536-544	7.9	10
22	Physico-chemical properties of aqueous drug solutions: From the basic thermodynamics to the advanced experimental and simulation results. *International Journal of Pharmaceutics*, **2018**, 540, 65-77	6.5	3
21	Influence of Bacterial Biofilm Polysaccharide Structure on Interactions with Antimicrobial Peptides: A Study on. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	10
20	Myelography Iodinated Contrast Media. 2. Conformational Versatility of Iopamidol in the Solid State. *Molecular Pharmaceutics*, **2017**, 14, 468-477	5.6	4
19	Thermal properties of iopamidol. *Journal of Thermal Analysis and Calorimetry*, **2017**, 130, 413-423	4.1	2
18	Cell biothermodynamics. *Journal of Thermal Analysis and Calorimetry*, **2017**, 127, 525-534	4.1	

17	Particle tracking analysis in food and hydrocolloids investigations. *Food Hydrocolloids*, **2017**, 68, 90-101	10.6	24
16	Chitosan-pectin hybrid nanoparticles prepared by coating and blending techniques. *European Journal of Pharmaceutical Sciences*, **2016**, 84, 37-45	5.1	54
15	"The Good, the Bad and the Ugly" of Chitosans. *Marine Drugs*, **2016**, 14,	6	184
14	Polysaccharide solutions and gels: Isothermal dehydration study by dynamic calorimetric experiments with DSC. *Food Hydrocolloids*, **2016**, 61, 163-171	10.6	3
13	Conformational Disorder and Atropisomerism in Pharmaceutical Compounds **2016**, 161-182		
12	Isothermal dehydration of thin films. *Journal of Thermal Analysis and Calorimetry*, **2015**, 121, 963-973	4.1	6
11	Isothermal dehydration of thin films of water and sugar solutions. *Journal of Chemical Physics*, **2014** , 140, 124701	3.9	7
10	Chitosan nanoparticles: preparation, size evolution and stability. *International Journal of Pharmaceutics*, **2013**, 455, 219-28	6.5	369
9	Biophysical functionality in polysaccharides: from Lego-blocks to nano-particles. *European Biophysics Journal*, **2012**, 41, 379-95	1.9	15
8	Marine polysaccharides in microencapsulation and application to aquaculture: "from sea to sea". *Marine Drugs*, **2011**, 9, 2572-604	6	39
7	Rheology and functional properties of starches isolated from five improved rice varieties from West Africa. *Food Hydrocolloids*, **2011**, 25, 1785-1792	10.6	86
6	Water evaporation from gel beads. *Journal of Thermal Analysis and Calorimetry*, **2011**, 103, 81-88	4.1	22
5	Release Properties of Hydrogels: Water Evaporation from Alginate Gel Beads. *Food Biophysics*, **2011**, 6, 259-266	3.2	28
4	Food microencapsulation of bioactive compounds: Rheological and thermal characterisation of non-conventional gelling system. *Food Chemistry*, **2010**, 122, 416-423	8.5	78
3	Thermal behavior of water in micro-particles based on alginate gel. *Journal of Thermal Analysis and Calorimetry*, **2009**, 97, 871-878	4.1	16
2	Microwave generated solid dispersions containing Ibuprofen. *International Journal of Pharmaceutics*, **2008**, 361, 125-30	6.5	66
1	Ubidecarenone nanoemulsified composite systems. *International Journal of Pharmaceutics*, **2005**, 291, 113-8	6.5	15