

Barbara Bellich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4912740/publications.pdf>

Version: 2024-02-01

33
papers

1,406
citations

623188

14
h-index

414034

32
g-index

34
all docs

34
docs citations

34
times ranked

2691
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan nanoparticles: Preparation, size evolution and stability. International Journal of Pharmaceutics, 2013, 455, 219-228.	2.6	460
2	“The Good, the Bad and the Ugly” of Chitosans. Marine Drugs, 2016, 14, 99.	2.2	267
3	Rheology and functional properties of starches isolated from five improved rice varieties from West Africa. Food Hydrocolloids, 2011, 25, 1785-1792.	5.6	104
4	Food microencapsulation of bioactive compounds: Rheological and thermal characterisation of non-conventional gelling system. Food Chemistry, 2010, 122, 416-423.	4.2	89
5	Microwave generated solid dispersions containing Ibuprofen. International Journal of Pharmaceutics, 2008, 361, 125-130.	2.6	79
6	Chitosan-pectin hybrid nanoparticles prepared by coating and blending techniques. European Journal of Pharmaceutical Sciences, 2016, 84, 37-45.	1.9	68
7	Marine Polysaccharides in Microencapsulation and Application to Aquaculture: “From Sea to Sea”, Marine Drugs, 2011, 9, 2572-2604.	2.2	45
8	Particle tracking analysis in food and hydrocolloids investigations. Food Hydrocolloids, 2017, 68, 90-101.	5.6	32
9	Water evaporation from gel beads. Journal of Thermal Analysis and Calorimetry, 2011, 103, 81-88.	2.0	28
10	Release Properties of Hydrogels: Water Evaporation from Alginate Gel Beads. Food Biophysics, 2011, 6, 259-266.	1.4	28
11	Biophysical functionality in polysaccharides: from Lego-blocks to nano-particles. European Biophysics Journal, 2012, 41, 379-395.	1.2	19
12	Thermal behavior of water in micro-particles based on alginate gel. Journal of Thermal Analysis and Calorimetry, 2009, 97, 871-878.	2.0	17
13	Influence of Bacterial Biofilm Polysaccharide Structure on Interactions with Antimicrobial Peptides: A Study on Klebsiella pneumoniae. International Journal of Molecular Sciences, 2018, 19, 1685.	1.8	17
14	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.	3.6	17
15	Ubidecarenone nanoemulsified composite systems. International Journal of Pharmaceutics, 2005, 291, 113-118.	2.6	15
16	The Exopolysaccharide Cepacian Plays a Role in the Establishment of the Paraburkholderia phymatum “Phaseolus vulgaris Symbiosis. Frontiers in Microbiology, 2020, 11, 1600.	1.5	13
17	PEG hydration and conformation in aqueous solution: Hints to macromolecular crowding. Polymer, 2019, 175, 57-64.	1.8	12
18	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.	1.9	12

#	ARTICLE	IF	CITATIONS
19	The polysaccharide extracted from the biofilm of <i>Burkholderia multivorans</i> strain C1576 binds hydrophobic species and exhibits a compact 3D-structure. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 944-950.	3.6	11
20	Proteomic Studies of the Biofilm Matrix including Outer Membrane Vesicles of <i>Burkholderia multivorans</i> C1576, a Strain of Clinical Importance for Cystic Fibrosis. <i>Microorganisms</i> , 2020, 8, 1826.	1.6	11
21	<i>Burkholderia cenocepacia</i> H111 Produces a Water-Insoluble Exopolysaccharide in Biofilm: Structural Determination and Molecular Modelling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1702.	1.8	11
22	Isothermal dehydration of thin films of water and sugar solutions. <i>Journal of Chemical Physics</i> , 2014, 140, 124701.	1.2	8
23	Isothermal dehydration of thin films. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 963-973.	2.0	7
24	Determination of the capsular polysaccharide structure of the <i>Klebsiella pneumoniae</i> ST512 representative strain KPB-1 and assignments of the glycosyltransferases functions. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 315-323.	3.6	7
25	The biofilm of <i>Burkholderia cenocepacia</i> H111 contains an exopolysaccharide composed of l-rhamnose and l-mannose: Structural characterization and molecular modelling. <i>Carbohydrate Research</i> , 2021, 499, 108231.	1.1	5
26	Polysaccharide solutions and gels: Isothermal dehydration study by dynamic calorimetric experiments with DSC. <i>Food Hydrocolloids</i> , 2016, 61, 163-171.	5.6	4
27	Myelography Iodinated Contrast Media. 2. Conformational Versatility of Iopamidol in the Solid State. <i>Molecular Pharmaceutics</i> , 2017, 14, 468-477.	2.3	4
28	Oligosaccharides Derived from Trimesan: Their Structure and Activity on Mycotoxin Inhibition in <i>Aspergillus flavus</i> and <i>Aspergillus carbonarius</i> . <i>Biomolecules</i> , 2021, 11, 243.	1.8	4
29	Pellicle Biofilm Formation in <i>Burkholderia cenocepacia</i> J2315 is Epigenetically Regulated through WspH, a Hybrid Two-Component System Kinase-Response Regulator. <i>Journal of Bacteriology</i> , 2022, 204, e0001722.	1.0	4
30	Thermal properties of iopamidol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 413-423.	2.0	3
31	Physico-chemical properties of aqueous drug solutions: From the basic thermodynamics to the advanced experimental and simulation results. <i>International Journal of Pharmaceutics</i> , 2018, 540, 65-77.	2.6	3
32	Characterisation of a new cell wall teichoic acid produced by <i>Listeria innocua</i> Å1/2M39 and analysis of its biosynthesis genes. <i>Carbohydrate Research</i> , 2022, 511, 108499.	1.1	2
33	Cell biothermodynamics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 525-534.	2.0	0