

Barbara Bellich

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,406
citations

623734

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414414

32
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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. | 5.2 | 460 |
| 2 | “The Good, the Bad and the Ugly” of Chitosans. Marine Drugs, 2016, 14, 99. | 4.6 | 267 |
| 3 | Rheology and functional properties of starches isolated from five improved rice varieties from West Africa. Food Hydrocolloids, 2011, 25, 1785-1792. | 10.7 | 104 |
| 4 | Food microencapsulation of bioactive compounds: Rheological and thermal characterisation of non-conventional gelling system. Food Chemistry, 2010, 122, 416-423. | 8.2 | 89 |
| 5 | Microwave generated solid dispersions containing Ibuprofen. International Journal of Pharmaceutics, 2008, 361, 125-130. | 5.2 | 79 |
| 6 | Chitosan-pectin hybrid nanoparticles prepared by coating and blending techniques. European Journal of Pharmaceutical Sciences, 2016, 84, 37-45. | 4.0 | 68 |
| 7 | Marine Polysaccharides in Microencapsulation and Application to Aquaculture: “From Sea to Sea” Marine Drugs, 2011, 9, 2572-2604. | 4.6 | 45 |
| 8 | Particle tracking analysis in food and hydrocolloids investigations. Food Hydrocolloids, 2017, 68, 90-101. | 10.7 | 32 |
| 9 | Water evaporation from gel beads. Journal of Thermal Analysis and Calorimetry, 2011, 103, 81-88. | 3.6 | 28 |
| 10 | Release Properties of Hydrogels: Water Evaporation from Alginate Gel Beads. Food Biophysics, 2011, 6, 259-266. | 3.0 | 28 |
| 11 | Biophysical functionality in polysaccharides: from Lego-blocks to nano-particles. European Biophysics Journal, 2012, 41, 379-395. | 2.2 | 19 |
| 12 | Thermal behavior of water in micro-particles based on alginate gel. Journal of Thermal Analysis and Calorimetry, 2009, 97, 871-878. | 3.6 | 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. | 4.1 | 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. | 7.5 | 17 |
| 15 | Ubidecarenone nanoemulsified composite systems. International Journal of Pharmaceutics, 2005, 291, 113-118. | 5.2 | 15 |
| 16 | The Exopolysaccharide Cepacian Plays a Role in the Establishment of the Paraburkholderia phymatum “Phaseolus vulgaris Symbiosis. Frontiers in Microbiology, 2020, 11, 1600. | 3.5 | 13 |
| 17 | PEG hydration and conformation in aqueous solution: Hints to macromolecular crowding. Polymer, 2019, 175, 57-64. | 3.8 | 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. | 4.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | 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. | 7.5 | 11 |
| 20 | Proteomic Studies of the Biofilm Matrix including Outer Membrane Vesicles of Burkholderia multivorans C1576, a Strain of Clinical Importance for Cystic Fibrosis. Microorganisms, 2020, 8, 1826. | 3.6 | 11 |
| 21 | Burkholderia cenocepacia H111 Produces a Water-Insoluble Exopolysaccharide in Biofilm: Structural Determination and Molecular Modelling. International Journal of Molecular Sciences, 2020, 21, 1702. | 4.1 | 11 |
| 22 | Isothermal dehydration of thin films of water and sugar solutions. Journal of Chemical Physics, 2014, 140, 124701. | 3.0 | 8 |
| 23 | Isothermal dehydration of thin films. Journal of Thermal Analysis and Calorimetry, 2015, 121, 963-973. | 3.6 | 7 |
| 24 | 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. | 7.5 | 7 |
| 25 | 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. | 2.3 | 5 |
| 26 | Polysaccharide solutions and gels: Isothermal dehydration study by dynamic calorimetric experiments with DSC. Food Hydrocolloids, 2016, 61, 163-171. | 10.7 | 4 |
| 27 | Myelography Iodinated Contrast Media. 2. Conformational Versatility of Iopamidol in the Solid State. Molecular Pharmaceutics, 2017, 14, 468-477. | 4.6 | 4 |
| 28 | Oligosaccharides Derived from Trimesan: Their Structure and Activity on Mycotoxin Inhibition in Aspergillus flavus and Aspergillus carbonarius. Biomolecules, 2021, 11, 243. | 4.0 | 4 |
| 29 | Pellicle Biofilm Formation in <i>Burkholderia cenocepacia</i> J2315 is Epigenetically Regulated through WspH, a Hybrid Two-Component System Kinase-Response Regulator. Journal of Bacteriology, 2022, 204, e0001722. | 2.2 | 4 |
| 30 | Thermal properties of iopamidol. Journal of Thermal Analysis and Calorimetry, 2017, 130, 413-423. | 3.6 | 3 |
| 31 | 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. | 5.2 | 3 |
| 32 | Characterisation of a new cell wall teichoic acid produced by Listeria innocua Å1/2M39 and analysis of its biosynthesis genes. Carbohydrate Research, 2022, 511, 108499. | 2.3 | 2 |
| 33 | Cell biothermodynamics. Journal of Thermal Analysis and Calorimetry, 2017, 127, 525-534. | 3.6 | 0 |