

Evgeniya A Bezrodnykh

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

681
citations

759233

12
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

969
citing authors

#	ARTICLE	IF	CITATIONS
1	Bactericidal and antifungal activities of a low molecular weight chitosan and its N-/2(3)-(dodec-2-enyl)succinoyl/-derivatives. Carbohydrate Polymers, 2006, 64, 66-72.	10.2	295
2	Antifungal activity of oligochitosans (short chain chitosans) against some Candida species and clinical isolates of Candida albicans: Molecular weightâ€“activity relationship. European Journal of Medicinal Chemistry, 2014, 74, 169-178.	5.5	84
3	Molecular weight and pH aspects of the efficacy of oligochitosan against methicillin-resistant Staphylococcus aureus (MRSA). Carbohydrate Polymers, 2012, 87, 545-550.	10.2	61
4	New approach to the quaternization of chitosan and its amphiphilic derivatives. European Polymer Journal, 2007, 43, 2414-2421.	5.4	56
5	Short chain chitosan solutions: self-assembly and aggregates disruption effects. Journal of Polymer Research, 2013, 20, 1.	2.4	31
6	N-Reacetylated Oligochitosan: pH Dependence of Self-Assembly Properties and Antibacterial Activity. Biomacromolecules, 2017, 18, 1491-1498.	5.4	26
7	Amphiphilic N-[2(3)-(dodec-2-â€²-en-1-â€²-yl)succinoyl]chitosan: Synthesis and properties. Reactive and Functional Polymers, 2008, 68, 436-445.	4.1	17
8	Consequences of chitosan decomposition by nitrous acid: Approach to non-branched oligochitosan oxime. Carbohydrate Polymers, 2018, 195, 551-557.	10.2	14
9	Extraction of residual heavy metals from commercial chitosan and approach to preparation of oligochitosan hydrochloride. Carbohydrate Polymers, 2019, 215, 316-321.	10.2	14
10	Evaluation of a method for the determination of antibacterial activity of chitosan. Applied Biochemistry and Microbiology, 2016, 52, 502-507.	0.9	13
11	Molecular features of the interaction and antimicrobial activity of chitosan in a solution containing sodium dodecyl sulfate. Carbohydrate Polymers, 2021, 270, 118352.	10.2	12
12	Influence of glucosamine on oligochitosan solubility and antibacterial activity. Carbohydrate Research, 2013, 381, 28-32.	2.3	11
13	Effect of Molecular Weight and Degree of Acetylation on Adjuvative Properties of Chitosan Derivatives. Applied Biochemistry and Microbiology, 2018, 54, 512-517.	0.9	8
14	Antibacterial Activity and Cytotoxicity of Betainated Oligochitosane Derivatives. Microbiology, 2018, 87, 725-731.	1.2	6
15	Polyelectrolyte Complexes of Partially Betainated Chitosan Derivatives Soluble in Weakly Alkaline Media. Polymer Science - Series A, 2020, 62, 162-173.	1.0	3
16	Residual heavy metals in industrial chitosan: State of distribution. International Journal of Biological Macromolecules, 2020, 155, 979-986.	7.5	2
17	Peculiarities of the interaction of sodium dodecyl sulfate with chitosan in acidic and alkaline media. International Journal of Biological Macromolecules, 2022, 214, 192-202.	7.5	2
18	Unusual Compatibility of Naâ€“Reacetylated Oligochitosan with Sodium Dodecyl Sulfate in Aqueous Solution with a Wide Range of the Solution pH. Starch/Staerke, 2021, 73, 2000234.	2.1	1

#	ARTICLE	IF	CITATIONS
19	A feasible approach to tune the interaction of chitosan with sodium dodecyl sulfate. Carbohydrate Polymers, 2022, 292, 119642.	10.2	1