Anna Å»ywicka

List of Publications by Year
in descending order

30	596	623574	610775
papers	citations	14 h-index	24 g-index

34	34	34	739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superabsorbent crosslinked bacterial cellulose biomaterials for chronic wound dressings. Carbohydrate Polymers, 2021, 253, 117247.	5.1	64
2	Survival of probiotic lactic acid bacteria immobilized in different forms of bacterial cellulose in simulated gastric juices and bile salt solution. LWT - Food Science and Technology, 2016, 68, 322-328.	2.5	60
3	Modification of Bacterial Cellulose with Quaternary Ammonium Compounds Based on Fatty Acids and Amino Acids and the Effect on Antimicrobial Activity. Biomacromolecules, 2018, 19, 1528-1538.	2.6	52
4	Modification of bacterial cellulose through exposure to the rotating magnetic field. Carbohydrate Polymers, 2015, 133, 52-60.	5.1	39
5	Bacterial cellulose yield increased over 500% by supplementation of medium with vegetable oil. Carbohydrate Polymers, 2018, 199, 294-303.	5.1	39
6	Immobilization pattern of morphologically different microorganisms on bacterial cellulose membranes. World Journal of Microbiology and Biotechnology, 2019, 35, 11.	1.7	28
7	Application of bacterial cellulose experimental dressings saturated with gentamycin for management of bone biofilm in vitro and ex vivo. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 30-37.	1.6	27
8	A.D.A.M. test (Antibiofilm Dressing's Activity Measurement) â€" Simple method for evaluating anti-biofilm activity of drug-saturated dressings against wound pathogens. Journal of Microbiological Methods, 2017, 143, 6-12.	0.7	26
9	Potential of Biocellulose Carrier Impregnated with Essential Oils to Fight Against Biofilms Formed on Hydroxyapatite. Scientific Reports, 2019, 9, 1256.	1.6	24
10	Wet and Dry Forms of Bacterial Cellulose Synthetized by Different Strains of Gluconacetobacter xylinus as Carriers for Yeast Immobilization. Applied Biochemistry and Biotechnology, 2016, 180, 805-816.	1.4	23
11	Increased water content in bacterial cellulose synthesized under rotating magnetic fields. Electromagnetic Biology and Medicine, 2017, 36, 192-201.	0.7	21
12	Correlation between type of alkali rinsing, cytotoxicity of bio-nanocellulose and presence of metabolites within cellulose membranes. Carbohydrate Polymers, 2017, 157, 371-379.	5.1	16
13	Antibacterial Activity of N,O-Acylated Chitosan Derivative. Polymers, 2021, 13, 107.	2.0	16
14	Bacterial cellulose as a support for yeast immobilization â€“ Correlation between carrier properties and process efficiency. Journal of Biotechnology, 2019, 291, 1-6.	1.9	15
15	Exposure to non-continuous rotating magnetic field induces metabolic strain-specific response of Komagataeibacter xylinus. Biochemical Engineering Journal, 2021, 166, 107855.	1.8	15
16	Potato Juice, a Starch Industry Waste, as a Cost-Effective Medium for the Biosynthesis of Bacterial Cellulose. International Journal of Molecular Sciences, 2021, 22, 10807.	1.8	15
17	Significant enhancement of citric acid production by Yarrowia lipolytica immobilized in bacterial cellulose-based carrier. Journal of Biotechnology, 2020, 321, 13-22.	1.9	13
18	Increased yield and selected properties of bacterial cellulose exposed to different modes of a rotating magnetic field. Engineering in Life Sciences, 2016, 16, 483-493.	2.0	12

#	Article	IF	Citations
19	Preparation of Komagataeibacter xylinus Inoculum for Bacterial Cellulose Biosynthesis Using Magnetically Assisted External-Loop Airlift Bioreactor. Polymers, 2021, 13, 3950.	2.0	11
20	Boosting of Antibacterial Performance of Cellulose Based Paper Sheet via TiO2 Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 1451.	1.8	10
21	Time Dependent Influence of Rotating Magnetic Field on Bacterial Cellulose. International Journal of Polymer Science, 2016, 2016, 1-13.	1.2	9
22	Effect of Gluconacetobacter xylinus cultivation conditions on the selected properties of bacterial cellulose. Polish Journal of Chemical Technology, 2016, 18, 117-123.	0.3	9
23	The effects of rotating magnetic field and antiseptic on in vitro pathogenic biofilm and its milieu. Scientific Reports, 2022, 12, .	1.6	9
24	Biochemical and cellular properties of Gluconacetobacter xylinus cultures exposed to different modes of rotating magnetic field. Polish Journal of Chemical Technology, 2017, 19, 107-114.	0.3	8
25	Investigation on Green Synthesis, Biocompatibility, and Antibacterial Activity of Silver Nanoparticles Prepared Using Cistus incanus. Materials, 2021, 14, 5028.	1.3	8
26	An efficient method of Yarrowia lipolytica immobilization using oil- and emulsion-modified bacterial cellulose carriers. Electronic Journal of Biotechnology, 2019, 41, 30-36.	1.2	6
27	The Novel Quantitative Assay for Measuring the Antibiofilm Activity of Volatile Compounds (AntiBioVol). Applied Sciences (Switzerland), 2020, 10, 7343.	1.3	6
28	Influence of milk, milk fractions and milk proteins on the growth and viability of mastitis-causing Staphylococcus aureus strain. Italian Journal of Animal Science, 2017, 16, 321-328.	0.8	4
29	Revealing the Influence of the Shape, Size, and Aspect Ratio of ZnO Nanoparticles on Antibacterial and Mechanical Performance of Cellulose Fibers Based Paper. Particle and Particle Systems Characterization, 2022, 39, .	1.2	4
30	The Effect of Rotating Magnetic Field on Enterotoxin Genes Expression in Staphylococcus Aureus Strains. Journal of Magnetics, 2016, 21, 141-147.	0.2	2