

# Anna Å»ywicka

## List of Publications by Year in descending order

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30  
papers

596  
citations

623574

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h-index

610775

24  
g-index

34  
all docs

34  
docs citations

34  
times ranked

739  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The effects of rotating magnetic field and antiseptic on in vitro pathogenic biofilm and its milieu. Scientific Reports, 2022, 12, .	1.6	9
3	Exposure to non-continuous rotating magnetic field induces metabolic strain-specific response of Komagataeibacter xylinus. Biochemical Engineering Journal, 2021, 166, 107855.	1.8	15
4	Superabsorbent crosslinked bacterial cellulose biomaterials for chronic wound dressings. Carbohydrate Polymers, 2021, 253, 117247.	5.1	64
5	Boosting of Antibacterial Performance of Cellulose Based Paper Sheet via TiO <sub>2</sub> Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 1451.	1.8	10
6	Investigation on Green Synthesis, Biocompatibility, and Antibacterial Activity of Silver Nanoparticles Prepared Using Cistus incanus. Materials, 2021, 14, 5028.	1.3	8
7	Antibacterial Activity of N,O-Acylated Chitosan Derivative. Polymers, 2021, 13, 107.	2.0	16
8	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
9	Preparation of Komagataeibacter xylinus Inoculum for Bacterial Cellulose Biosynthesis Using Magnetically Assisted External-Loop Airlift Bioreactor. Polymers, 2021, 13, 3950.	2.0	11
10	Application of bacterial cellulose experimental dressings saturated with gentamycin for management of bone biofilm <i>in vitro</i> and <i>ex vivo</i> . Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 30-37.	1.6	27
11	The Novel Quantitative Assay for Measuring the Antibiofilm Activity of Volatile Compounds (AntiBioVol). Applied Sciences (Switzerland), 2020, 10, 7343.	1.3	6
12	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
13	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
14	Potential of Biocellulose Carrier Impregnated with Essential Oils to Fight Against Biofilms Formed on Hydroxyapatite. Scientific Reports, 2019, 9, 1256.	1.6	24
15	Immobilization pattern of morphologically different microorganisms on bacterial cellulose membranes. World Journal of Microbiology and Biotechnology, 2019, 35, 11.	1.7	28
16	Bacterial cellulose as a support for yeast immobilization – Correlation between carrier properties and process efficiency. Journal of Biotechnology, 2019, 291, 1-6.	1.9	15
17	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
18	Bacterial cellulose yield increased over 500% by supplementation of medium with vegetable oil. Carbohydrate Polymers, 2018, 199, 294-303.	5.1	39

#	ARTICLE	IF	CITATIONS
19	Biochemical and cellular properties of <i>Gluconacetobacter xylinus</i> cultures exposed to different modes of rotating magnetic field. Polish Journal of Chemical Technology, 2017, 19, 107-114.	0.3	8
20	Influence of milk, milk fractions and milk proteins on the growth and viability of mastitis-causing <i>Staphylococcus aureus</i> strain. Italian Journal of Animal Science, 2017, 16, 321-328.	0.8	4
21	A.D.A.M. test (Antibiofilm Dressing's Activity Measurement) – 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
22	Increased water content in bacterial cellulose synthesized under rotating magnetic fields. Electromagnetic Biology and Medicine, 2017, 36, 192-201.	0.7	21
23	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
24	Time Dependent Influence of Rotating Magnetic Field on Bacterial Cellulose. International Journal of Polymer Science, 2016, 2016, 1-13.	1.2	9
25	Effect of <i>Gluconacetobacter xylinus</i> cultivation conditions on the selected properties of bacterial cellulose. Polish Journal of Chemical Technology, 2016, 18, 117-123.	0.3	9
26	Wet and Dry Forms of Bacterial Cellulose Synthesized by Different Strains of <i>Gluconacetobacter xylinus</i> as Carriers for Yeast Immobilization. Applied Biochemistry and Biotechnology, 2016, 180, 805-816.	1.4	23
27	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
28	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
29	The Effect of Rotating Magnetic Field on Enterotoxin Genes Expression in <i>Staphylococcus Aureus</i> Strains. Journal of Magnetism, 2016, 21, 141-147.	0.2	2
30	Modification of bacterial cellulose through exposure to the rotating magnetic field. Carbohydrate Polymers, 2015, 133, 52-60.	5.1	39