

# Tomasz Janek

## List of Publications by Year in descending order

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31  
papers

1,016  
citations

516561

16  
h-index

434063

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and characterization of two new lipopeptide biosurfactants produced by <i>Pseudomonas fluorescens</i> BD5 isolated from water from the Arctic Archipelago of Svalbard. <i>Bioresource Technology</i> , 2010, 101, 6118-6123.	4.8	152
2	Antiadhesive activity of the biosurfactant pseudofactin II secreted by the Arctic bacterium <i>Pseudomonas fluorescens</i> BD5. <i>BMC Microbiology</i> , 2012, 12, 24.	1.3	124
3	Screening concepts, characterization and structural analysis of microbial-derived bioactive lipopeptides: a review. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 393-410.	5.1	98
4	Identification and characterization of biosurfactants produced by the Arctic bacterium <i>Pseudomonas putida</i> BD2. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 379-386.	2.5	89
5	Characterization of erythrose reductase from <i>Yarrowia lipolytica</i> and its influence on erythritol synthesis. <i>Microbial Cell Factories</i> , 2017, 16, 118.	1.9	64
6	Trehalose Lipid Biosurfactant Reduces Adhesion of Microbial Pathogens to Polystyrene and Silicone Surfaces: An Experimental and Computational Approach. <i>Frontiers in Microbiology</i> , 2018, 9, 2441.	1.5	61
7	Lipopeptide Biosurfactant Pseudofactin II Induced Apoptosis of Melanoma A 375 Cells by Specific Interaction with the Plasma Membrane. <i>PLoS ONE</i> , 2013, 8, e57991.	1.1	59
8	Physicochemical study of biomolecular interactions between lysosomotropic surfactants and bovine serum albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 750-758.	2.5	40
9	Sustainable Surfactin Production by <i>Bacillus subtilis</i> Using Crude Glycerol from Different Wastes. <i>Molecules</i> , 2021, 26, 3488.	1.7	35
10	Structure and mode of action of cyclic lipopeptide pseudofactin II with divalent metal ions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 498-506.	2.5	32
11	Spectroscopic and nonlinear optical properties of new chalcone fluorescent probes for bioimaging applications: a theoretical and experimental study. <i>Journal of Molecular Modeling</i> , 2016, 22, 125.	0.8	25
12	Synthesis, photophysical properties and systematic evaluations of new phenanthroimidazole fluorescent probe for bioimaging: Experimental and theoretical study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 74-85.	1.7	21
13	High-yield expression of extracellular lipase from <i>Yarrowia lipolytica</i> and its interactions with lipopeptide biosurfactants: A biophysical approach. <i>Archives of Biochemistry and Biophysics</i> , 2020, 689, 108475.	1.4	19
14	<i>In vitro</i> efficacy of the lipopeptide biosurfactant surfactin-C <sub>15</sub> and its complexes with divalent counterions to inhibit <i>Candida albicans</i> biofilm and hyphal formation. <i>Biofouling</i> , 2020, 36, 210-221.	0.8	19
15	Metal-Biosurfactant Complexes Characterization: Binding, Self-Assembly and Interaction with Bovine Serum Albumin. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2864.	1.8	18
16	The effect of <i>Pseudomonas fluorescens</i> biosurfactant pseudofactin II on the conformational changes of bovine serum albumin: Pharmaceutical and biomedical applications. <i>Journal of Molecular Liquids</i> , 2019, 288, 111001.	2.3	18
17	High value-added products derived from crude glycerol via microbial fermentation using <i>Yarrowia</i> clade yeast. <i>Microbial Cell Factories</i> , 2021, 20, 195.	1.9	18
18	Study of metal-lipopeptide complexes and their self-assembly behavior, micelle formation, interaction with bovine serum albumin and biological properties. <i>Journal of Molecular Liquids</i> , 2018, 268, 743-753.	2.3	17

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19	Phase Behaviour, Functionality, and Physicochemical Characteristics of Glycolipid Surfactants of Microbial Origin. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 816613.	2.0	16
20	Synthesis, spectroscopic, physicochemical properties and binding site analysis of 4-(1H-phenanthro[9,10-d]-imidazol-2-yl)-benzaldehyde fluorescent probe for imaging in cell biology: Experimental and theoretical study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 112-122.	1.7	15
21	Biomolecular interactions of lysosomotropic surfactants with cytochrome c and its effect on the protein conformation: A biophysical approach. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1177-1185.	3.6	12
22	Synthesis, photophysical and biological properties of a new oxazolone fluorescent probe for bioimaging: an experimental and theoretical study. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8952-8966.	1.5	10
23	The Analysis of Cu(II)/Zn(II) Cyclopeptide System as Potential Cu,ZnSOD Mimic Center. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 431-439.	0.9	9
24	Aminobisphosphonates based on cyclohexane backbone as coordinating agents for metal ions. Thermodynamic, spectroscopic and biological studies. <i>New Journal of Chemistry</i> , 2018, 42, 7723-7736.	1.4	8
25	Synergistic effect of hen egg white lysozyme and lysosomotropic surfactants on cell viability and membrane permeability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110598.	2.5	8
26	New aspects of coordination chemistry and biological activity of NTMP-related diphosphonates containing a heterocyclic ring. <i>New Journal of Chemistry</i> , 2017, 41, 10731-10741.	1.4	7
27	Human salivary MUC7 mucin fragment and its analogues. Coordination and biological studies. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110923.	1.5	5
28	Enzymatic hydrolysis using bacterial cultures as a novel method for obtaining antioxidant peptides from brewers' spent grain. <i>RSC Advances</i> , 2021, 11, 4688-4700.	1.7	5
29	Application of a New Engineered Strain of <i>Yarrowia lipolytica</i> for Effective Production of Calcium Ketoglutarate Dietary Supplements. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7577.	1.8	5
30	Investigating the biomolecular interactions between model proteins and glycine betaine surfactant with reference to the stabilization of emulsions and antimicrobial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111226.	2.5	4
31	The Potential Antimicrobial Action of Human Mucin 7 15-Mer Peptide and Its Metal Complexes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 418.	1.8	3