Tomasz Janek

List of Publications by Year
in descending order

31 papers	1,016 citations	516710 16 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1189 citing authors

#	Article	IF	Citations
1	Phase Behaviour, Functionality, and Physicochemical Characteristics of Glycolipid Surfactants of Microbial Origin. Frontiers in Bioengineering and Biotechnology, 2022, 10, 816613.	4.1	16
2	The Potential Antimicrobial Action of Human Mucin 7 15-Mer Peptide and Its Metal Complexes. International Journal of Molecular Sciences, 2022, 23, 418.	4.1	3
3	Enzymatic hydrolysis using bacterial cultures as a novel method for obtaining antioxidant peptides from brewers' spent grain. RSC Advances, 2021, 11, 4688-4700.	3.6	5
4	Sustainable Surfactin Production by Bacillus subtilis Using Crude Glycerol from Different Wastes. Molecules, 2021, 26, 3488.	3.8	35
5	Application of a New Engineered Strain of Yarrowia lipolytica for Effective Production of Calcium Ketoglutarate Dietary Supplements. International Journal of Molecular Sciences, 2021, 22, 7577.	4.1	5
6	High value-added products derived from crude glycerol via microbial fermentation using Yarrowia clade yeast. Microbial Cell Factories, 2021, 20, 195.	4.0	18
7	Synergistic effect of hen egg white lysozyme and lysosomotropic surfactants on cell viability and membrane permeability. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110598.	5.0	8
8	Human salivary MUC7 mucin fragment and its analogues. Coordination and biological studies. Journal of Inorganic Biochemistry, 2020, 203, 110923.	3.5	5
9	Investigating the biomolecular interactions between model proteins and glycine betaine surfactant with reference to the stabilization of emulsions and antimicrobial properties. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111226.	5.0	4
10	High-yield expression of extracellular lipase from Yarrowia lipolytica and its interactions with lipopeptide biosurfactants: A biophysical approach. Archives of Biochemistry and Biophysics, 2020, 689, 108475.	3.0	19
11	In vitro efficacy of the lipopeptide biosurfactant surfactin-C₁₅ and its complexes with divalent counterions to inhibit Candida albicans biofilm and hyphal formation. Biofouling, 2020, 36, 210-221.	2.2	19
12	Metal-Biosurfactant Complexes Characterization: Binding, Self-Assembly and Interaction with Bovine Serum Albumin. International Journal of Molecular Sciences, 2019, 20, 2864.	4.1	18
13	The effect of Pseudomonas fluorescens biosurfactant pseudofactin II on the conformational changes of bovine serum albumin: Pharmaceutical and biomedical applications. Journal of Molecular Liquids, 2019, 288, 111001.	4.9	18
14	Biomolecular interactions of lysosomotropic surfactants with cytochrome c and its effect on the protein conformation: A biophysical approach. International Journal of Biological Macromolecules, 2019, 126, 1177-1185.	7.5	12
15	Aminobisphosphonates based on cyclohexane backbone as coordinating agents for metal ions. Thermodynamic, spectroscopic and biological studies. New Journal of Chemistry, 2018, 42, 7723-7736.	2.8	8
16	Trehalose Lipid Biosurfactant Reduces Adhesion of Microbial Pathogens to Polystyrene and Silicone Surfaces: An Experimental and Computational Approach. Frontiers in Microbiology, 2018, 9, 2441.	3.5	61
17	Study of metal-lipopeptide complexes and their self-assembly behavior, micelle formation, interaction with bovine serum albumin and biological properties. Journal of Molecular Liquids, 2018, 268, 743-753.	4.9	17
18	Screening concepts, characterization and structural analysis of microbial-derived bioactive lipopeptides: a review. Critical Reviews in Biotechnology, 2017, 37, 393-410.	9.0	98

#	Article	IF	Citations
19	The Analysis of Cu(II)/Zn(II) Cyclopeptide System as Potential Cu,ZnSOD Mimic Center. International Journal of Peptide Research and Therapeutics, 2017, 23, 431-439.	1.9	9
20	Synthesis, photophysical and biological properties of a new oxazolone fluorescent probe for bioimaging: an experimental and theoretical study. Organic and Biomolecular Chemistry, 2017, 15, 8952-8966.	2.8	10
21	Physicochemical study of biomolecular interactions between lysosomotropic surfactants and bovine serum albumin. Colloids and Surfaces B: Biointerfaces, 2017, 159, 750-758.	5.0	40
22	New aspects of coordination chemistry and biological activity of NTMP-related diphosphonates containing a heterocyclic ring. New Journal of Chemistry, 2017, 41, 10731-10741.	2.8	7
23	Synthesis, photophysical properties and systematic evaluations of new phenanthroimidazole fluorescent probe for bioimaging: Experimental and theoretical study. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 74-85.	3.8	21
24	Characterization of erythrose reductase from Yarrowia lipolytica and its influence on erythritol synthesis. Microbial Cell Factories, 2017, 16, 118.	4.0	64
25	Structure and mode of action of cyclic lipopeptide pseudofactin II with divalent metal ions. Colloids and Surfaces B: Biointerfaces, 2016, 146, 498-506.	5.0	32
26	Spectroscopic and nonlinear optical properties of new chalcone fluorescent probes for bioimaging applications: a theoretical and experimental study. Journal of Molecular Modeling, 2016, 22, 125.	1.8	25
27	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. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 112-122.	3.8	15
28	Identification and characterization of biosurfactants produced by the Arctic bacterium Pseudomonas putida BD2. Colloids and Surfaces B: Biointerfaces, 2013, 110, 379-386.	5.0	89
29	Lipopeptide Biosurfactant Pseudofactin II Induced Apoptosis of Melanoma A 375 Cells by Specific Interaction with the Plasma Membrane. PLoS ONE, 2013, 8, e57991.	2.5	59
30	Antiadhesive activity of the biosurfactant pseudofactin II secreted by the Arctic bacterium Pseudomonas fluorescensBD5. BMC Microbiology, 2012, 12, 24.	3.3	124
31	Isolation and characterization of two new lipopeptide biosurfactants produced by Pseudomonas fluorescens BD5 isolated from water from the Arctic Archipelago of Svalbard. Bioresource Technology, 2010, 101, 6118-6123.	9.6	152