

# Ligia R Rodrigues

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2043088/ligia-r-rodrigues-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

197  
papers

8,227  
citations

49  
h-index

84  
g-index

211  
ext. papers

9,431  
ext. citations

6  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
197	Biosurfactants: potential applications in medicine. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2006</b> , 57, 609-18	18.8	640
196	Galacto-Oligosaccharides: Production, Properties, Applications, and Significance as Prebiotics. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2010</b> , 9, 438-454	16.4	395
195	Potential therapeutic applications of biosurfactants. <i>Trends in Pharmacological Sciences</i> , <b>2013</b> , 34, 667-75	13.2	242
194	Optimization and characterization of biosurfactant production by <i>Bacillus subtilis</i> isolates towards microbial enhanced oil recovery applications. <i>Fuel</i> , <b>2013</b> , 111, 259-268	7.1	233
193	Isolation and functional characterization of a biosurfactant produced by <i>Lactobacillus paracasei</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 76, 298-304	6	174
192	The role of osteopontin in tumor progression and metastasis in breast cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2007</b> , 16, 1087-97	4	168
191	Antimicrobial and antiadhesive properties of a biosurfactant isolated from <i>Lactobacillus paracasei</i> ssp. <i>paracasei</i> A20. <i>Letters in Applied Microbiology</i> , <b>2010</b> , 50, 419-24	2.9	156
190	Physicochemical and functional characterization of a biosurfactant produced by <i>Lactococcus lactis</i> 53. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2006</b> , 49, 79-86	6	155
189	Galacto-oligosaccharides production during lactose hydrolysis by free <i>Aspergillus oryzae</i> galactosidase and immobilized on magnetic polysiloxane-polyvinyl alcohol. <i>Food Chemistry</i> , <b>2009</b> , 115, 92-99	8.5	148
188	Isolation and study of microorganisms from oil samples for application in Microbial Enhanced Oil Recovery. <i>International Biodeterioration and Biodegradation</i> , <b>2012</b> , 68, 56-64	4.8	137
187	Poly(dimethyl siloxane) surface modification by low pressure plasma to improve its characteristics towards biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 81, 20-6	6	137
186	Bioconversion of agro-industrial by-products in rhamnolipids toward applications in enhanced oil recovery and bioremediation. <i>Bioresource Technology</i> , <b>2015</b> , 177, 87-93	11	131
185	Low-cost fermentative medium for biosurfactant production by probiotic bacteria. <i>Biochemical Engineering Journal</i> , <b>2006</b> , 32, 135-142	4.2	126
184	Biosurfactants in cosmetic formulations: trends and challenges. <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 911-923	9.4	121
183	Kinetic study of fermentative biosurfactant production by <i>Lactobacillus</i> strains. <i>Biochemical Engineering Journal</i> , <b>2006</b> , 28, 109-116	4.2	119
182	Response surface optimization of the medium components for the production of biosurfactants by probiotic bacteria. <i>Process Biochemistry</i> , <b>2006</b> , 41, 1-10	4.8	118
181	Performance of a biosurfactant produced by a <i>Bacillus subtilis</i> strain isolated from crude oil samples as compared to commercial chemical surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 89, 167-74	6	113

180	Interference in adhesion of bacteria and yeasts isolated from explanted voice prostheses to silicone rubber by rhamnolipid biosurfactants. <i>Journal of Applied Microbiology</i> , <b>2006</b> , 100, 470-80	4.7	106
179	Influence of biosurfactants from probiotic bacteria on formation of biofilms on voice prostheses. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 4408-10	4.8	105
178	Enzymatic synthesis of sugar esters and their potential as surface-active stabilizers of coconut milk emulsions. <i>Food Hydrocolloids</i> , <b>2012</b> , 27, 324-331	10.6	104
177	Isolation and partial characterization of a biosurfactant produced by <i>Streptococcus thermophilus</i> A. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2006</b> , 53, 105-12	6	102
176	An Overview of the Recent Developments on Fructooligosaccharide Production and Applications. <i>Food and Bioprocess Technology</i> , <b>2014</b> , 7, 324-337	5.1	99
175	Biosurfactant-producing and oil-degrading <i>Bacillus subtilis</i> strains enhance oil recovery in laboratory sand-pack columns. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 261, 106-13	12.8	99
174	Biosurfactant from <i>Lactococcus lactis</i> 53 inhibits microbial adhesion on silicone rubber. <i>Applied Microbiology and Biotechnology</i> , <b>2004</b> , 66, 306-11	5.7	99
173	Valorization of agro-industrial wastes towards the production of rhamnolipids. <i>Bioresource Technology</i> , <b>2016</b> , 212, 144-150	11	99
172	Biosurfactants Produced by Marine Microorganisms with Therapeutic Applications. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	98
171	Biosurfactant production by <i>Bacillus subtilis</i> using corn steep liquor as culture medium. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 59	5.7	97
170	Bacterial cellulose-lactoferrin as an antimicrobial edible packaging. <i>Food Hydrocolloids</i> , <b>2016</b> , 58, 126-140	10.6	94
169	Sugar ester surfactants: enzymatic synthesis and applications in food industry. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2015</b> , 55, 595-610	11.5	90
168	Antimicrobial and anti-adhesive potential of a biosurfactant Rufisan produced by <i>Candida lipolytica</i> UCP 0988. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 84, 1-5	6	87
167	Evaluation antimicrobial and antiadhesive properties of the biosurfactant Lunasan produced by <i>Candida sphaerica</i> UCP 0995. <i>Current Microbiology</i> , <b>2011</b> , 62, 1527-34	2.4	77
166	Inhibition of bacterial adhesion on medical devices. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 715, 351-67	3.6	74
165	Novel cosmetic formulations containing a biosurfactant from <i>Lactobacillus paracasei</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 155, 522-529	6	72
164	Fructooligosaccharides and Fructofuranosidase production by <i>Aspergillus japonicus</i> immobilized on lignocellulosic materials. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2009</b> , 59, 76-81		72
163	Inhibition of microbial adhesion to silicone rubber treated with biosurfactant from <i>Streptococcus thermophilus</i> A. <i>FEMS Immunology and Medical Microbiology</i> , <b>2006</b> , 46, 107-12		72

162	Antimicrobial and anti-adhesive activities of cell-bound biosurfactant from <i>Lactobacillus agilis</i> CCUG31450. <i>RSC Advances</i> , <b>2015</b> , 5, 90960-90968	3.7	68
161	Effects of biosurfactants on the viability and proliferation of human breast cancer cells. <i>AMB Express</i> , <b>2014</b> , 4, 40	4.1	68
160	The effect of bovine milk lactoferrin on human breast cancer cell lines. <i>Journal of Dairy Science</i> , <b>2011</b> , 94, 66-76	4	67
159	Anticancer effects of lactoferrin: underlying mechanisms and future trends in cancer therapy. <i>Nutrition Reviews</i> , <b>2014</b> , 72, 763-73	6.4	65
158	Microbial surfactants: fundamentals and applicability in the formulation of nano-sized drug delivery vectors. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 449, 304-16	9.3	64
157	Lactoferrin and cancer disease prevention. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2009</b> , 49, 203-17	11.5	61
156	New Trends and Technological Challenges in the Industrial Production and Purification of Fructo-oligosaccharides. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2015</b> , 55, 1444-55	11.5	60
155	New improved method for fructooligosaccharides production by <i>Aureobasidium pullulans</i> . <i>Carbohydrate Polymers</i> , <b>2012</b> , 89, 1174-9	10.3	60
154	Strategies for the prevention of microbial biofilm formation on silicone rubber voice prostheses. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2007</b> , 81, 358-70	3.5	59
153	Voltammetric aptasensors for protein disease biomarkers detection: A review. <i>Biotechnology Advances</i> , <b>2016</b> , 34, 941-953	17.8	57
152	Thermal and hydrolytic degradation of electrospun fish gelatin membranes. <i>Polymer Testing</i> , <b>2013</b> , 32, 995-1000	4.5	55
151	Heterologous production of curcuminoids. <i>Microbiology and Molecular Biology Reviews</i> , <b>2015</b> , 79, 39-60	13.2	54
150	Biosurfactant-Producing Lactobacilli: Screening, Production Profiles, and Effect of Medium Composition. <i>Applied and Environmental Soil Science</i> , <b>2011</b> , 2011, 1-9	3.8	54
149	Strategies for the production of high-content fructo-oligosaccharides through the removal of small saccharides by co-culture or successive fermentation with yeast. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 274-81	19.3	49
148	Fractionation of the major whey proteins and isolation of $\beta$ -Lactoglobulin variants by anion exchange chromatography. <i>Separation and Purification Technology</i> , <b>2012</b> , 90, 133-139	8.3	49
147	Comparison of adsorption equilibrium of fructose, glucose and sucrose on potassium gel-type and macroporous sodium ion-exchange resins. <i>Analytica Chimica Acta</i> , <b>2009</b> , 654, 71-6	6.6	49
146	One-step process for producing prebiotic arabino-xylooligosaccharides from brewer's spent grain employing <i>Trichoderma</i> species. <i>Food Chemistry</i> , <b>2019</b> , 270, 86-94	8.5	48
145	Fructo-oligosaccharides purification from a fermentative broth using an activated charcoal column. <i>New Biotechnology</i> , <b>2012</b> , 29, 395-401	6.4	48

144	Colonization of <i>Aspergillus japonicus</i> on synthetic materials and application to the production of fructooligosaccharides. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 795-800	2.9	48
143	Heterologous production of caffeic acid from tyrosine in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , <b>2015</b> , 71, 36-44	3.8	47
142	Bacterial cellulose as a support for the growth of retinal pigment epithelium. <i>Biomacromolecules</i> , <b>2015</b> , 16, 1341-51	6.9	46
141	Fructooligosaccharide production by <i>Penicillium expansum</i> . <i>Biotechnology Letters</i> , <b>2010</b> , 32, 837-40	3	46
140	Bioactivity of glycolipopeptide cell-bound biosurfactants against skin pathogens. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 971-979	7.9	46
139	Biomedical and therapeutic applications of biosurfactants. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 672, 75-87	3.6	42
138	The Role of Diet Related Short-Chain Fatty Acids in Colorectal Cancer Metabolism and Survival: Prevention and Therapeutic Implications. <i>Current Medicinal Chemistry</i> , <b>2020</b> , 27, 4087-4108	4.3	42
137	New glycolipid biosurfactants produced by the yeast strain <i>Wickerhamomyces anomalus</i> CCMA 0358. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 154, 373-382	6	41
136	Novel bioemulsifier produced by a <i>Paenibacillus</i> strain isolated from crude oil. <i>Microbial Cell Factories</i> , <b>2015</b> , 14, 14	6.4	41
135	Partial characterization of biosurfactant from <i>Lactobacillus pentosus</i> and comparison with sodium dodecyl sulphate for the bioremediation of hydrocarbon contaminated soil. <i>BioMed Research International</i> , <b>2013</b> , 2013, 961842	3	40
134	Vineyard pruning waste as an alternative carbon source to produce novel biosurfactants by <i>Lactobacillus paracasei</i> . <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 55, 40-49	6.3	39
133	Fluorescence in situ Hybridization method using Peptide Nucleic Acid probes for rapid detection of <i>Lactobacillus</i> and <i>Gardnerella</i> spp. <i>BMC Microbiology</i> , <b>2013</b> , 13, 82	4.5	35
132	Production of curcuminoids from tyrosine by a metabolically engineered <i>Escherichia coli</i> using caffeic acid as an intermediate. <i>Biotechnology Journal</i> , <b>2015</b> , 10, 599-609	5.6	35
131	beta-Fructofuranosidase production by repeated batch fermentation with immobilized <i>Aspergillus japonicus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2009</b> , 36, 923-8	4.2	35
130	Electrochemical aptasensor for human osteopontin detection using a DNA aptamer selected by SELEX. <i>Analytica Chimica Acta</i> , <b>2017</b> , 987, 25-37	6.6	34
129	Perspectives on the biotechnological production and potential applications of lactosucrose: A review. <i>Journal of Functional Foods</i> , <b>2015</b> , 19, 74-90	5.1	33
128	Physicochemical study of biomolecular interactions between lysosomotropic surfactants and bovine serum albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 159, 750-758	6	33
127	Characterization of galactooligosaccharides produced by galactosidase immobilized onto magnetized Dacron. <i>International Dairy Journal</i> , <b>2011</b> , 21, 172-178	3.5	33

126	Improvement of biosurfactant production by <i>Wickerhamomyces anomalus</i> CCMA 0358 and its potential application in bioremediation. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 346, 152-158	12.8	33
125	UV spectrophotometry method for the monitoring of galacto-oligosaccharides production. <i>Food Chemistry</i> , <b>2009</b> , 113, 246-252	8.5	32
124	Acetylated bacterial cellulose coated with urinary bladder matrix as a substrate for retinal pigment epithelium. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 139, 1-9	6	31
123	The yeast-like fungus <i>Aureobasidium thailandense</i> LB01 produces a new biosurfactant using olive oil mill wastewater as an inducer. <i>Microbiological Research</i> , <b>2017</b> , 204, 40-47	5.3	31
122	Modulation of crude glycerol fermentation by <i>Clostridium pasteurianum</i> DSM 525 towards the production of butanol. <i>Biomass and Bioenergy</i> , <b>2014</b> , 71, 134-143	5.3	31
121	Production of fructo-oligosaccharides by <i>Aspergillus ibericus</i> and their chemical characterization. <i>LWT - Food Science and Technology</i> , <b>2018</b> , 89, 58-64	5.4	30
120	Sodium chloride effect on the aggregation behaviour of rhamnolipids and their antifungal activity. <i>Scientific Reports</i> , <b>2017</b> , 7, 12907	4.9	29
119	Colorectal Cancer Cells Increase the Production of Short Chain Fatty Acids by Impacting on Cancer Cells Survival. <i>Frontiers in Nutrition</i> , <b>2018</b> , 5, 44	6.2	29
118	Galactosidase from <i>Aspergillus laticoffeatus</i> : A promising biocatalyst for the synthesis of novel prebiotics. <i>International Journal of Food Microbiology</i> , <b>2017</b> , 257, 67-74	5.8	28
117	Bovine lactoferrin induces cell cycle arrest and inhibits mTOR signaling in breast cancer cells. <i>Nutrition and Cancer</i> , <b>2014</b> , 66, 1371-85	2.8	28
116	Anaerobic granular sludge as a biocatalyst for 1,3-propanediol production from glycerol in continuous bioreactors. <i>Bioresource Technology</i> , <b>2014</b> , 155, 28-33	11	27
115	Triple Negative Breast Cancer: Nanosolutions for a Big Challenge. <i>Advanced Science</i> , <b>2015</b> , 2, 1500053	13.6	27
114	Lactoferrin selectively triggers apoptosis in highly metastatic breast cancer cells through inhibition of plasmalemmal V-H <sup>+</sup> -ATPase. <i>Oncotarget</i> , <b>2016</b> , 7, 62144-62158	3.3	27
113	Optimization of fermentation conditions for the production of curcumin by engineered. <i>Journal of the Royal Society Interface</i> , <b>2017</b> , 14,	4.1	26
112	Production of fructooligosaccharides and fructofuranosidase by batch and repeated batch fermentation with immobilized cells of <i>Penicillium expansum</i> . <i>European Food Research and Technology</i> , <b>2012</b> , 235, 13-22	3.4	26
111	In vitro digestibility and fermentability of fructo-oligosaccharides produced by <i>Aspergillus ibericus</i> . <i>Journal of Functional Foods</i> , <b>2018</b> , 46, 278-287	5.1	26
110	Developing a Sustainable and Circular Bio-Based Economy in EU: By Partnering Across Sectors, Upscaling and Using New Knowledge Faster, and For the Benefit of Climate, Environment & Biodiversity, and People & Business. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 619066	5.8	26
109	Hydroxycinnamic acids and curcumin production in engineered <i>Escherichia coli</i> using heat shock promoters. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 125, 41-49	4.2	25

108	Development of an electrochemical RNA-aptasensor to detect human osteopontin. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 71, 332-341	11.8	25
107	Physicochemical and biological evaluation of poly(ethylene glycol) methacrylate grafted onto poly(dimethyl siloxane) surfaces for prosthetic devices. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 109, 228-35	6	25
106	Partitioning and separation of $\beta$ -lactalbumin and $\beta$ -lactoglobulin in polyethylene glycol/ammonium sulphate aqueous two-phase systems. <i>Biotechnology Letters</i> , <b>2001</b> , 23, 1893-1897	3	25
105	Bovine Milk Lactoferrin Selectively Kills Highly Metastatic Prostate Cancer PC-3 and Osteosarcoma MG-63 Cells. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 200	5.3	24
104	Fluorescence in situ hybridization method using a peptide nucleic acid probe for identification of Lactobacillus spp. in milk samples. <i>International Journal of Food Microbiology</i> , <b>2013</b> , 162, 64-70	5.8	24
103	Maximization of fructose esters synthesis by response surface methodology. <i>New Biotechnology</i> , <b>2011</b> , 28, 349-55	6.4	24
102	In Vitro evaluation of bovine lactoferrin potential as an anticancer agent. <i>International Dairy Journal</i> , <b>2015</b> , 40, 6-15	3.5	23
101	The biopolymer produced by Rhizobium viscosum CECT 908 is a promising agent for application in microbial enhanced oil recovery. <i>New Biotechnology</i> , <b>2019</b> , 49, 144-150	6.4	23
100	Antibacterial performance of bovine lactoferrin-fish gelatine electrospun membranes. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 608-14	7.9	22
99	Water sorption and plasticization of an amorphous galacto-oligosaccharide mixture. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 831-835	10.3	22
98	Structure and mode of action of cyclic lipopeptide pseudofactin II with divalent metal ions. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 146, 498-506	6	22
97	Potential Applications of the Escherichia coli Heat Shock Response in Synthetic Biology. <i>Trends in Biotechnology</i> , <b>2018</b> , 36, 186-198	15.1	22
96	Single-step production of arabino-xylooligosaccharides by recombinant Bacillus subtilis 3610 cultivated in brewers spent grain. <i>Carbohydrate Polymers</i> , <b>2018</b> , 199, 546-554	10.3	21
95	Synthesis of novel benzofurocoumarin analogues and their anti-proliferative effect on human cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 47, 370-6	6.8	20
94	New $\beta$ -galactosidase producers with potential for prebiotic synthesis. <i>Bioresource Technology</i> , <b>2018</b> , 250, 131-139	11	20
93	A Combinatorial Approach to Optimize the Production of Curcuminoids From Tyrosine in. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 59	5.8	19
92	One-step co-culture fermentation strategy to produce high-content fructo-oligosaccharides. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 31-38	10.3	19
91	Characterization by electrospray ionization and tandem mass spectrometry of rhamnolipids produced by two Pseudomonas aeruginosa strains isolated from Brazilian crude oil. <i>European Journal of Mass Spectrometry</i> , <b>2012</b> , 18, 399-406	1.1	19

90	Fractionation and recovery of whey proteins by hydrophobic interaction chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 475-9	3.2	19
89	Exploring the potential of polyethylene terephthalate in the design of antibacterial surfaces. <i>Medical Microbiology and Immunology</i> , <b>2020</b> , 209, 363-372	4	18
88	Poly(dimethyl siloxane) surface modification with biosurfactants isolated from probiotic strains. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 98, 535-43	5.4	17
87	In vitro assessment of prebiotic properties of xylooligosaccharides produced by <i>Bacillus subtilis</i> 3610. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115460	10.3	17
86	Selection of Novel Peptides Homing the 4T1 CELL Line: Exploring Alternative Targets for Triple Negative Breast Cancer. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161290	3.7	17
85	Biocatalytic Approaches Using Lactulose: End Product Compared with Substrate. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2016</b> , 15, 878-896	16.4	17
84	Downscale fermentation for xylooligosaccharides production by recombinant <i>Bacillus subtilis</i> 3610. <i>Carbohydrate Polymers</i> , <b>2019</b> , 205, 176-183	10.3	17
83	In vitro fermentation of raffinose to unravel its potential as prebiotic ingredient. <i>LWT - Food Science and Technology</i> , <b>2020</b> , 126, 109322	5.4	16
82	Modifying Fish Gelatin Electrospun Membranes for Biomedical Applications: Cross-Linking and Swelling Behavior. <i>Soft Materials</i> , <b>2014</b> , 12, 247-252	1.7	15
81	Synthesis of novel psoralen analogues and their in vitro antitumor activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 5047-53	3.4	15
80	Selection of <i>Escherichia coli</i> heat shock promoters toward their application as stress probes. <i>Journal of Biotechnology</i> , <b>2014</b> , 188, 61-71	3.7	14
79	Rational Identification of a Colorectal Cancer Targeting Peptide through Phage Display. <i>Scientific Reports</i> , <b>2019</b> , 9, 3958	4.9	13
78	Synthetic Biology Approaches to Engineer towards the Industrial Production of Valuable Polyphenolic Compounds. <i>Life</i> , <b>2020</b> , 10,	3	12
77	Influence of nutritional and operational parameters on the production of butanol or 1,3-propanediol from glycerol by a mutant <i>Clostridium pasteurianum</i> . <i>New Biotechnology</i> , <b>2017</b> , 34, 59-67	6.4	11
76	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> , <b>2018</b> , 268, 743-753	6	11
75	Separation of different forms of proteose peptone 3 by hydrophobic interaction chromatography with a dual salt system. <i>Biomedical Chromatography</i> , <b>2008</b> , 22, 447-9	1.7	11
74	Dietary Sugars Analysis: Quantification of Fructooligosaccharides during Fermentation by HPLC-RI Method. <i>Frontiers in Nutrition</i> , <b>2014</b> , 1, 11	6.2	10
73	New solutions to capture and enrich bacteria from complex samples. <i>Medical Microbiology and Immunology</i> , <b>2020</b> , 209, 335-341	4	10

72	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> , <b>2019</b> , 126, 1177-1185	7.9	9
71	Nanotechnology in Targeted Drug Delivery and Therapeutics <b>2019</b> , 357-409		9
70	Integrated strategy for purification of esterase from <i>Aureobasidium pullulans</i> . <i>Separation and Purification Technology</i> , <b>2019</b> , 209, 409-418	8.3	8
69	Metal-Biosurfactant Complexes Characterization: Binding, Self-Assembly and Interaction with Bovine Serum Albumin. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
68	Development of an Electrochemical Aptasensor for the Detection of Human Osteopontin. <i>Procedia Engineering</i> , <b>2014</b> , 87, 316-319		8
67	Recovery of the proteose peptone component 3 from cheese whey in Reppal PES 100/polyethylene glycol aqueous two-phase systems. <i>Biotechnology Letters</i> , <b>2003</b> , 25, 651-5	3	8
66	CRISPR-Cas9: A Powerful Tool to Efficiently Engineer. <i>Life</i> , <b>2020</b> , 11,	3	8
65	Novel and emerging prebiotics: Advances and opportunities. <i>Advances in Food and Nutrition Research</i> , <b>2021</b> , 95, 41-95	6	8
64	Biosensors for Rapid Detection of Breast Cancer Biomarkers <b>2019</b> , 71-103		7
63	A kinetic model for curcumin production in <i>Escherichia coli</i> . <i>BioSystems</i> , <b>2014</b> , 125, 16-21	1.9	7
62	A Dynamical Model for the Fermentative Production of Fructooligosaccharides. <i>Computer Aided Chemical Engineering</i> , <b>2009</b> , 1827-1832	0.6	7
61	Screening and characterization of novel specific peptides targeting MDA-MB-231 claudin-low breast carcinoma by computer-aided phage display methodologies. <i>BMC Cancer</i> , <b>2016</b> , 16, 881	4.8	6
60	Novel benzopsoralen analogues: synthesis, biological activity and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 87, 298-305	6.8	6
59	Optimal glucose and inoculum concentrations for production of bioactive molecules by <i>Paenibacillus polymyxa</i> RNC-D. <i>Chemical Papers</i> , <b>2012</b> , 66,	1.9	6
58	Significance of Osteopontin Expression in Human Invasive Breast Tumour Stroma. <i>Open Breast Cancer Journal</i> , <b>2009</b> , 1, 1-9		6
57	Biosynthesis and heterologous production of furanocoumarins: perspectives and current challenges. <i>Natural Product Reports</i> , <b>2021</b> , 38, 869-879	15.1	6
56	Effect of bacterial nanocellulose binding on the bactericidal activity of bovine lactoferrin. <i>Heliyon</i> , <b>2020</b> , 6, e04372	3.6	5
55	A kinetic model of the central carbon metabolism for acrylic acid production in <i>Escherichia coli</i> . <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008704	5	5

54	Sustainable Lipase Production by <i>Diutina rugosa</i> NRRL Y-95 Through a Combined Use of Agro-Industrial Residues as Feedstock. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 589-605	3.2	5
53	Emerging insights on the role of V-ATPase in human diseases: Therapeutic challenges and opportunities. <i>Medicinal Research Reviews</i> , <b>2021</b> , 41, 1927-1964	14.4	5
52	New advances in exosome-based targeted drug delivery systems.. <i>Critical Reviews in Oncology/Hematology</i> , <b>2022</b> , 172, 103628	7	5
51	Research and Production of Biosurfactants for the Food Industry <b>2019</b> , 125-143		4
50	Electronic tongues and aptasensors <b>2017</b> , 371-402		4
49	Synthetic biology strategies towards the development of new bioinspired technologies for medical applications <b>2017</b> , 451-497		4
48	Biosurfactant Producing Microorganisms and Its Application to Enhance Oil Recovery at Lab Scale <b>2012</b> ,		4
47	Identifying New Isatin Derivatives with GSK-3 $\beta$ Inhibition Capacity through Molecular Docking and Bioassays. <i>Journal of the Brazilian Chemical Society</i> ,	1.5	4
46	Synergistic effect of hen egg white lysozyme and lysosomotropic surfactants on cell viability and membrane permeability. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 185, 110598	6	4
45	Multivariate analysis as a tool for selecting the vine pruning pretreatment towards the highest enzymatic hydrolysis yield. <i>Biomass and Bioenergy</i> , <b>2020</b> , 140, 105653	5.3	4
44	Designing a functional rice muffin formulated with prebiotic oligosaccharides and sugar reduction. <i>Food Bioscience</i> , <b>2021</b> , 40, 100858	4.9	4
43	Selection of aptamers against triple negative breast cancer cells using high throughput sequencing. <i>Scientific Reports</i> , <b>2021</b> , 11, 8614	4.9	4
42	Sustainable Surfactin Production by Using Crude Glycerol from Different Wastes. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
41	Synthetic Biology <b>2017</b> , 239-269		3
40	CHAPTER 14:UV Spectrophotometry Method for Dietary Sugars. <i>Food and Nutritional Components in Focus</i> , <b>2012</b> , 229-248		3
39	Biosurfactants as Biocontrol Agents Against Mycotoxigenic Fungi <b>2021</b> , 465-490		3
38	Host-Pathogen Adhesion as the Basis of Innovative Diagnostics for Emerging Pathogens. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	3
37	Lactoferrin perturbs lipid rafts and requires integrity of Pma1p-lipid rafts association to exert its antifungal activity against <i>Saccharomyces cerevisiae</i> . <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 171, 343-357	7.9	3

36	In vitro selection of DNA aptamers against human osteosarcoma. <i>Investigational New Drugs</i> , <b>2021</b> , 1	4.3	3
35	Perspectives on the design of microbial cell factories to produce prenylflavonoids.. <i>International Journal of Food Microbiology</i> , <b>2022</b> , 367, 109588	5.8	3
34	Plasmalemmal V-ATPase as a Potential Biomarker for Lactoferrin-Based Anticancer Therapy.. <i>Biomolecules</i> , <b>2022</b> , 12,	5.9	2
33	Novel Approaches to avoid Microbial Adhesion onto Biomaterials. <i>Journal of Biotechnology &amp; Biomaterials</i> , <b>2011</b> , 01,	0	2
32	Novel Biorecognition Elements against Pathogens in the Design of State-of-the-Art Diagnostics. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	2
31	Improved method for the extraction of high-quality DNA from lignocellulosic compost samples for metagenomic studies. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 8881-8893	5.7	2
30	Biotech Green Approaches to Unravel the Potential of Residues into Valuable Products. <i>Nanotechnology in the Life Sciences</i> , <b>2020</b> , 97-150	1.1	2
29	Esterase production by <i>Aureobasidium pullulans</i> URM 7059 in stirred tank and airlift bioreactors using residual biodiesel glycerol as substrate. <i>Biochemical Engineering Journal</i> , <b>2021</b> , 168, 107954	4.2	2
28	Rhamnolipids inhibit aflatoxins production in <i>Aspergillus flavus</i> by causing structural damages in the fungal hyphae and down-regulating the expression of their biosynthetic genes. <i>International Journal of Food Microbiology</i> , <b>2021</b> , 348, 109207	5.8	2
27	The milk-derived lactoferrin inhibits V-ATPase activity by targeting its V1 domain. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 186, 54-70	7.9	2
26	Modification of PET surfaces with gum Arabic towards its bacterial anti-adhesiveness using an experimental factorial design approach. <i>Materials Today Communications</i> , <b>2021</b> , 28, 102684	2.5	2
25	Curcumin biosynthesis from ferulic acid by engineered <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Journal</i> , <b>2021</b> , e2100400	5.6	2
24	<i>Zymomonas mobilis</i> as an emerging biotechnological chassis for the production of industrially relevant compounds. <i>Bioresources and Bioprocessing</i> , <b>2021</b> , 8,	5.2	2
23	Microbial Surfactants: Alternative to Vegetable Oil Surfactants. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1995, 383-393	1.4	1
22	Overview on Cell-Biomaterial Interactions <b>2015</b> , 91-128		1
21	Functionalization of Silicone Rubber Surfaces towards Biomedical Applications <b>2014</b> , 111-122		1
20	Potential Applications of Whey Proteins in the Medical Field. <i>Contemporary Food Engineering</i> , <b>2009</b> , 221-252		1
19	Aqueous Two-Phase Systems Applied to Whey Protein. <i>Contemporary Food Engineering</i> , <b>2009</b> , 57-79		1

18	A review on lactoferrin as a proton pump inhibitor.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 202, 309-317	7.9	1
17	Heterologous production of chondroitin.. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2022</b> , 33, e00710	5.3	1
16	Cloning, Expression and Characterization of UDP-Glucose Dehydrogenases. <i>Life</i> , <b>2021</b> , 11,	3	1
15	Epilactose Biosynthesis Using Recombinant Cellobiose 2-Epimerase Produced by <i>Saccharomyces cerevisiae</i> . <i>ACS Food Science &amp; Technology</i> ,		1
14	Characterization of levan produced by a <i>Paenibacillus</i> sp. isolated from Brazilian crude oil. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 186, 788-799	7.9	1
13	Milk Minor Constituents, Enzymes, Hormones, Growth Factors, and Organic Acids	220-245	1
12	In Vitro CRISPR/Cas9 Transfection and Gene-Editing Mediated by Multivalent Cationic Liposome-DNA Complexes. <i>Pharmaceutics</i> , <b>2022</b> , 14, 1087	6.4	1
11	Paper-based aptasensor for colorimetric detection of osteopontin.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1198, 339557	6.6	0
10	Application of Biosurfactants for Microbial Enhanced Oil Recovery (MEOR) <b>2021</b> , 99-118		0
9	Metagenomic Approaches as a Tool to Unravel Promising Biocatalysts from Natural Resources: Soil and Water. <i>Catalysts</i> , <b>2022</b> , 12, 385	4	0
8	One-step production of a novel prebiotic mixture using <i>Zymomonas mobilis</i> ZM4. <i>Biochemical Engineering Journal</i> , <b>2022</b> , 183, 108443	4.2	0
7	Hydrolysates containing xylooligosaccharides produced by different strategies: Structural characterization, antioxidant and prebiotic activities. <i>Food Chemistry</i> , <b>2022</b> , 391, 133231	8.5	0
6	Yeast Synthetic Biology Approaches for the Production of Valuable Polyphenolic Compounds <b>2022</b> , 119-156		
5	Biocatalysis in Ionic Liquids: Enzymatic Synthesis of Sugar Fatty Acid Esters. <i>Nanotechnology in the Life Sciences</i> , <b>2020</b> , 51-79	1.1	
4	Microbiology of Petroleum Reservoirs	461-482	
3	Dairy. <i>Contemporary Food Engineering</i> , <b>2013</b> , 295-326		
2	Gliadins in Foods and the Electronic Tongue <b>2016</b> , 179-188		
1	Selection of a new peptide homing SK-BR-3 breast cancer cells. <i>Chemical Biology and Drug Design</i> , <b>2021</b> , 97, 893-903	2.9	

