

Graciette Matioli

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

40 papers	921 citations	15 h-index	29 g-index
45 ext. papers	1,054 ext. citations	4 avg, IF	3.88 L-index

#	Paper	IF	Citations
40	Curcumin- β -cyclodextrin inclusion complex: stability, solubility, characterisation by FT-IR, FT-Raman, X-ray diffraction and photoacoustic spectroscopy, and food application. <i>Food Chemistry</i> , 2014 , 153, 361-70	8.5	302
39	Interaction of curcumin and bixin with β -cyclodextrin: complexation methods, stability, and applications in food. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 3348-57	5.7	136
38	A novel cyclodextrin glycosyltransferase from <i>Bacillus sphaericus</i> strain 41: Production, characterization and catalytic properties. <i>Biochemical Engineering Journal</i> , 2009 , 48, 124-131	4.2	43
37	Cyclodextrin production by <i>Bacillus firmus</i> strain 37 cells immobilized on loofa sponge. <i>Process Biochemistry</i> , 2011 , 46, 46-51	4.8	28
36	Production and characterization of a new cyclodextrin glycosyltransferase from <i>Bacillus firmus</i> isolated from Brazilian soil. <i>Process Biochemistry</i> , 2007 , 42, 1384-1390	4.8	25
35	Characterization of cyclodextrin glycosyltransferase from <i>Bacillus firmus</i> strain no. 37. <i>Applied Biochemistry and Biotechnology</i> , 2001 , 91-93, 643-54	3.2	25
34	Immobilization of <i>Bacillus firmus</i> strain 37 in inorganic matrix for cyclodextrin production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007 , 49, 1-7		24
33	Cyclodextrin production by <i>Bacillus firmus</i> strain 37 immobilized on inorganic matrices and alginate gel. <i>Biochemical Engineering Journal</i> , 2008 , 41, 79-86	4.2	24
32	Use of FT-IR, FT-Raman and thermal analysis to evaluate the gel formation of curdlan produced by <i>Agrobacterium</i> sp. IFO 13140 and determination of its rheological properties with food applicability. <i>Food Chemistry</i> , 2017 , 232, 369-378	8.5	21
31	Production and purification of CGTase of alkalophilic <i>Bacillus</i> isolated from Brazilian soil. <i>Applied Biochemistry and Biotechnology</i> , 1998 , 70-72, 267-75	3.2	21
30	Use of photoacoustic spectroscopy in the characterization of inclusion complexes of benzophenone-3-hydroxypropyl- β -cyclodextrin and ex vivo evaluation of the percutaneous penetration of sunscreen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 79, 449-57	5.7	20
29	Biosynthesis of CGTase by immobilized alkalophilic bacilli and crystallization of beta-cyclodextrin: Effective techniques to investigate cell immobilization and the production of cyclodextrins. <i>Biochemical Engineering Journal</i> , 2014 , 83, 22-32	4.2	19
28	Production of insoluble exopolysaccharide of <i>Agrobacterium</i> sp. (ATCC 31749 and IFO 13140). <i>Applied Biochemistry and Biotechnology</i> , 2006 , 131, 864-9	3.2	19
27	Insulin complexed with cyclodextrins stimulates epithelialization and neovascularization of skin wound healing in rats. <i>Injury</i> , 2017 , 48, 2417-2425	2.5	18
26	Influence of substrate and product concentrations on the production of cyclodextrins by CGTase of <i>Bacillus firmus</i> , strain no. 37. <i>Applied Biochemistry and Biotechnology</i> , 2002 , 98-100, 947-61	3.2	17
25	Insulin complexation with hydroxypropyl-beta-cyclodextrin: Spectroscopic evaluation of molecular inclusion and use of the complex in gel for healing of pressure ulcers. <i>International Journal of Pharmaceutics</i> , 2015 , 490, 229-39	6.5	15
24	Description of recovery method used for curdlan produced by <i>Agrobacterium</i> sp. IFO 13140 and its relation to the morphology and physicochemical and technological properties of the polysaccharide. <i>PLoS ONE</i> , 2017 , 12, e0171469	3.7	14

23	Biosynthesis of succinoglycan by <i>Agrobacterium radiobacter</i> NBRC 12665 immobilized on loofa sponge and cultivated in sugar cane molasses. Structural and rheological characterization of biopolymer. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 122, 15-28		10
22	Characterization of curdlan produced by <i>Agrobacterium</i> sp. IFO 13140 cells immobilized in a loofa sponge matrix, and application of this biopolymer in the development of functional yogurt. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 2410-7	4.3	10
21	Enhancement of selectivity for producing β -cyclodextrin. <i>Applied Biochemistry and Biotechnology</i> , 2000 , 84-86, 955-962	3.2	10
20	Methyl jasmonate: a phytohormone with potential for the treatment of inflammatory bowel diseases. <i>Journal of Pharmacy and Pharmacology</i> , 2018 , 70, 178-190	4.8	10
19	Ultrafiltration system for cyclodextrin production in repetitive batches by CGTase from <i>Bacillus firmus</i> strain 37. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 1291-301	3.7	9
18	Potential use of cyclodextrin-glycosyltransferase enzyme in bread-making and the development of gluten-free breads with pinion and corn flours. <i>International Journal of Food Sciences and Nutrition</i> , 2015 , 66, 275-81	3.7	9
17	Different strategies for cyclodextrin production: Ultrafiltration systems, CGTase immobilization and use of a complexing agent. <i>Carbohydrate Polymers</i> , 2018 , 192, 19-27	10.3	9
16	Cyclodextrin glycosyltransferase production by free cells of <i>Bacillus circulans</i> DF 9R in batch fermentation and by immobilized cells in a semi-continuous process. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 1055-63	3.7	9
15	Produção, purificação e aumento da performance de ciclodextrina glicosiltransferases para produção de ciclodextrinas. <i>Química Nova</i> , 2009 , 32, 2360-2366	1.6	9
14	Preservation of <i>Bacillus firmus</i> strain 37 and optimization of cyclodextrin biosynthesis by cells immobilized on loofa sponge. <i>Molecules</i> , 2012 , 17, 9476-88	4.8	8
13	Sequencing, cloning, and heterologous expression of cyclomaltodextrin glucanotransferase of <i>Bacillus firmus</i> strain 37 in <i>Bacillus subtilis</i> WB800. <i>Bioprocess and Biosystems Engineering</i> , 2019 , 42, 621-629	3.7	8
12	Effective Immobilization of <i>Agrobacterium</i> sp. IFO 13140 Cells in Loofa Sponge for Curdlan Biosynthesis. <i>Molecules</i> , 2015 , 20, 7957-73	4.8	7
11	Biosorption potential of synthetic dyes by heat-inactivated and live <i>Lentinus edodes</i> CCB-42 immobilized in loofa sponges. <i>World Journal of Microbiology and Biotechnology</i> , 2014 , 30, 3229-44	4.4	7
10	Antifungal and antimycotoxigenic effects of and essential oils against. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020 , 37, 1531-1541	3.2	7
9	The Use of Thermal Analysis and Photoacoustic Spectroscopy in the Evaluation of Maltodextrin Microencapsulation of Anthocyanins from Juçara Palm Fruit (Mart.) and Their Application in Food. <i>Food Technology and Biotechnology</i> , 2015 , 53, 385-396	2.1	6
8	Cassava Bagasse as a Substrate to Produce Cyclodextrins. <i>Starch/Staerke</i> , 2018 , 70, 1800073	2.3	5
7	Impact of cyclodextrins on postprandial glycemia: evaluation in experimental animal model using the real-time continuous glucose monitoring system. <i>Journal of Medicinal Food</i> , 2015 , 18, 625-30	2.8	4
6	Improved production of cyclodextrins by alkalophilic bacilli immobilized on synthetic or loofa sponges. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 13294-307	6.3	4

5	Electrospun curcumin/polycaprolactone/copolymer F-108 fibers as a new therapy for wound healing. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48415	2.9	3
4	Essential oil characterization of <i>Ocimum basilicum</i> and <i>Syzygium aromaticum</i> free and complexed with β -cyclodextrin. Determination of its antioxidant, antimicrobial, and antitumoral activities. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , ¹	1.7	3
3	Mathematical modelling and kinetic study for CD production catalysed by Toruzyme and CGTase from <i>Bacillus firmus</i> strain 37. <i>Bioprocess and Biosystems Engineering</i> , 2017 , 40, 1305-1316	3.7	1
2	Molecular inclusion of <i>Cymbopogon martinii</i> essential oil with β -cyclodextrin as a strategy to stabilize and increase its bioactivity. <i>Food Hydrocolloids for Health</i> , 2022 , 2, 100066		0
1	Production of insoluble exopolysaccharide of <i>Agrobacterium</i> sp. (ATCC 31749 and IFO 13140). <i>Applied Biochemistry and Biotechnology</i> , 1996 , 131, 864-869	3.2	