

Gisella Maria Zanin

List of Publications by Year in descending order

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113
papers

2,556
citations

201674

27
h-index

233421

45
g-index

114
all docs

114
docs citations

114
times ranked

2753
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of SBA-15 and pore-expanded SBA-15 and surface modification with tin for covalent lipase immobilization. <i>Microporous and Mesoporous Materials</i> , 2022, 337, 111951.	4.4	5
2	Batch CGTase Production with Free and Immobilized <i>Bacillus firmus</i> Strain 37 in Bovine Bone Charcoal. <i>Advances in Chemical Engineering and Science</i> , 2021, 11, 91-104.	0.5	1
3	Influence of the chain length of the fatty acids present in different oils and the pore diameter of the support on the catalytic activity of immobilized lipase for ethyl ester production. <i>Brazilian Journal of Chemical Engineering</i> , 2021, 38, 511-522.	1.3	6
4	Enhancement of lipase transesterification activity by immobilization on β -cyclodextrin-based polymer. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 92-100.	2.4	2
5	Modeling, simulation, and analysis of a soybean meal desolventizing equipment. <i>Journal of Food Process Engineering</i> , 2019, 42, e13031.	2.9	1
6	Preparation of Crosslinked Enzyme Aggregates of a Thermostable Cyclodextrin Glucosyltransferase from <i>Thermoanaerobacter</i> sp. Critical Effect of the Crosslinking Agent. <i>Catalysts</i> , 2019, 9, 120.	3.5	28
7	Different organic components on silica hybrid matrices modulate the lipase inhibition by the glycerol formed in continuous transesterification reactions. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 462-470.	5.8	27
8	Optimization studies to develop a low-cost medium for production of the lipases of <i>Rhizopus microsporus</i> by solid-state fermentation and scale-up of the process to a pilot packed-bed bioreactor. <i>Process Biochemistry</i> , 2017, 62, 37-47.	3.7	32
9	Interaction of peptides obtained from the enzymatic hydrolysis of soybean meal with cyclodextrins: an evaluation of bitterness reduction. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017, 89, 59-69.	1.6	9
10	Effects of Triton X-100 and PEG on the Catalytic Properties and Thermal Stability of Lipase from Free and Immobilized on Glyoxyl-Agarose. <i>The Open Biochemistry Journal</i> , 2017, 11, 66-76.	0.5	18
11	Determination of the Association Constant of Alpha and Beta Cyclodextrins Using Methyl Orange. <i>Industrial Biotechnology</i> , 2016, 12, 317-322.	0.8	2
12	Synthesis of flavor esters and structured lipids by a new immobilized lipase, LipC12, obtained from metagenomics. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 8, 294-300.	3.1	9
13	Thermal behavior study and decomposition kinetics of linalool/ β -cyclodextrin inclusion complex. <i>Polymer Bulletin</i> , 2016, 73, 279-291.	3.3	19
14	Immobilization of LipC12, a new lipase obtained by metagenomics, and its application in the synthesis of biodiesel esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 116, 45-51.	1.8	30
15	Performance of an enzymatic packed bed reactor running on babassu oil to yield fatty ethyl esters (FAEE) in a solvent-free system. <i>Biofuel Research Journal</i> , 2015, 2, 242-247.	13.3	23
16	Agricultural recycling of biodigested vinasse for lettuce production. <i>Revista Ambiente & Água</i> , 2014, 9, .	0.3	0
17	Utilization of immobilized lipases as catalysts in the transesterification of non-edible vegetable oils with ethanol. <i>Brazilian Journal of Chemical Engineering</i> , 2014, 31, 839-847.	1.3	15
18	Characterization of Biocatalysts Prepared with <i>Thermomyces lanuginosus</i> Lipase and Different Silica Precursors, Dried using Aerogel and Xerogel Techniques. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 263-274.	2.9	6

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19	Use of polyethylene glycol in the process of sol-gel encapsulation of Burkholderia cepacia lipase. Journal of Thermal Analysis and Calorimetry, 2014, 117, 301-306.	3.6	17
20	Characterization of Free and Immobilized <i>Thermomyces lanuginosus</i> Lipase for Use in Transesterification Reactions. Industrial Biotechnology, 2014, 10, 305-309.	0.8	2
21	Evaluation of activity of Bacillus lipase (free and immobilized) treated with compressed propane. Journal of Molecular Catalysis B: Enzymatic, 2014, 99, 130-135.	1.8	8
22	Determination of the inclusion complex constant between oleuropein and cyclodextrins by complexation theory. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 78, 465-470.	1.6	5
23	Assessing the potential of non-edible oils and residual fat to be used as a feedstock source in the enzymatic ethanolysis reaction. Industrial Crops and Products, 2013, 50, 485-493.	5.2	49
24	Protic ionic liquid as additive on lipase immobilization using silica sol-gel. Enzyme and Microbial Technology, 2013, 52, 141-150.	3.2	70
25	Biomass Production and Ester Synthesis by <i>In Situ</i> Transesterification/Esterification Using the Microalga <i>Spirulina platensis</i> . International Journal of Chemical Engineering, 2013, 2013, 1-7.	2.4	12
26	Kinetics of the simultaneous production of b- and g-cyclodextrins catalyzed by CGTase from alkalophilic <i>Bacillus</i> sp. - doi: 10.4025/actascitechnol.v35i4.13944. Acta Scientiarum - Technology, 2013, 35, .	0.4	2
27	Parametric study of hydrogen production from ethanol steam reforming in a membrane microreactor. Brazilian Journal of Chemical Engineering, 2013, 30, 355-367.	1.3	16
28	Influence of culture medium pH on the production of CGTase by <i>Bacillus firmus</i>; Strain No. 37 - doi: 10.4025/actascitechnol.v35i3.15882. Acta Scientiarum - Technology, 2013, 35, .	0.4	2
29	Influence of the use of Aliquat 336 in the immobilization procedure in sol-gel of lipase from <i>Bacillus</i> sp. ITP-001. Journal of Molecular Catalysis B: Enzymatic, 2012, 84, 152-159.	1.8	29
30	Enrofloxacin inclusion complexes with cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 73, 219-224.	1.6	13
31	Microwave-assisted enzymatic synthesis of beef tallow biodiesel. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 529-536.	3.0	47
32	Enzymatic extraction of protein from toasted and not toasted soybean meal. Procedia Food Science, 2011, 1, 463-469.	0.6	12
33	Interaction of Curcumin and Bixin with β -Cyclodextrin: Complexation Methods, Stability, and Applications in Food. Journal of Agricultural and Food Chemistry, 2011, 59, 3348-3357.	5.2	158
34	Purification of lipase produced by a new source of <i>Bacillus</i> in submerged fermentation using an aqueous two-phase system. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3853-3858.	2.3	59
35	β -Glucosidase immobilized and stabilized on agarose matrix functionalized with distinct reactive groups. Journal of Molecular Catalysis B: Enzymatic, 2011, 69, 47-53.	1.8	35
36	Molecular inclusion of butylated hydroxyanisole (BHA) into alpha and beta cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 179-187.	1.6	4

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37	Production of Cyclodextrins from Cornstarch Granules in a Sequential Batch Mode and in the Presence of Ethanol. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 1485-1493.	2.9	12
38	Immobilization and stabilization of glucoamylase: Chemical modification of the enzyme surface followed by covalent attachment on highly activated glyoxyl-agarose supports. <i>Process Biochemistry</i> , 2011, 46, 409-412.	3.7	35
39	Packed-Bed Reactor Running on Babassu Oil and Glycerol to Produce Monoglycerides by Enzymatic Route using Immobilized <i>Burkholderia cepacia</i> Lipase. <i>Applied Biochemistry and Biotechnology</i> , 2010, 161, 372-381.	2.9	17
40	Partitioning of Porcine Pancreatic Lipase in a Two-Phase Systems of Polyethylene Glycol/Potassium Phosphate Aqueous. <i>Applied Biochemistry and Biotechnology</i> , 2010, 161, 288-300.	2.9	45
41	Enzymatic synthesis of monoglycerides by esterification reaction using <i>Penicillium camembertii</i> lipase immobilized on epoxy SiO ₂ -PVA composite. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 65, 87-90.	1.8	57
42	The use of 2D NMR to study β -cyclodextrin complexation and debittering of amino acids and peptides. <i>Food Research International</i> , 2010, 43, 187-192.	6.2	54
43	Influência do tamanho das partículas na solubilização do enzima da proteína do farelo de soja. <i>Acta Scientiarum - Technology</i> , 2009, 31, .	0.4	1
44	Session 6: Advances in Enzyme Science and Technology. <i>Applied Biochemistry and Biotechnology</i> , 2009, 154, 123-124.	2.9	0
45	Taste modification of amino acids and protein hydrolysate by β -cyclodextrin. <i>Food Research International</i> , 2009, 42, 814-818.	6.2	43
46	Response Surface Methodology as an Approach to Determine Optimal Activities of Lipase Entrapped in Sol-Gel Matrix Using Different Vegetable Oils. <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 203-214.	2.9	6
47	Methods and Supports for Immobilization and Stabilization of Cyclomaltodextrin Glucanotransferase from <i>Thermoanaerobacter</i> . <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 189-201.	2.9	15
48	Sequential Production of Amyolytic and Lipolytic Enzymes by Bacterium Strain Isolated from Petroleum Contaminated Soil. <i>Applied Biochemistry and Biotechnology</i> , 2008, 150, 25-32.	2.9	17
49	Influence of gelation time on the morphological and physico-chemical properties of the sol-gel entrapped lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 52-53, 27-33.	1.8	8
50	Enhancement of solubility of albendazole by complexation with β -cyclodextrin. <i>Brazilian Journal of Chemical Engineering</i> , 2008, 25, 255-267.	1.3	45
51	Biodiesel Synthesis by Enzymatic Transesterification of Palm Oil with Ethanol Using Lipases from Several Sources Immobilized on Silica-PVA Composite. <i>Energy & Fuels</i> , 2007, 21, 3689-3694.	5.1	125
52	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.	3.7	28
53	Grafting of cyclodextrins onto filter paper. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 75-78.	1.6	17
54	Molecular imprinting of β -cyclodextrin/cholesterol template into a silica polymer for cholesterol separation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 79-82.	1.6	23

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55	Methods and Supports for Immobilization and Stabilization of Cyclomalto-dextrin Glucanotransferase from <i>Thermoanaerobacter</i> . , 2007, , 309-321.		0
56	NMR characterization of the role of silane precursors on the catalytic activity of sol-gel encapsulated lipase. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3469-3477.	3.1	13
57	Characterization of <i>Thermoanaerobacter</i> cyclomalto-dextrin glucanotransferase immobilized on glyoxyl-agarose. <i>Enzyme and Microbial Technology</i> , 2006, 39, 1270-1278.	3.2	73
58	Production of Insoluble Exopolysaccharide of <i>Agrobacterium</i> sp. (ATCC 31749 and IFO 13140). <i>Applied Biochemistry and Biotechnology</i> , 2006, 131, 864-869.	2.9	20
59	Characterization of sol-gel encapsulated lipase using tetraethoxysilane as precursor. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 39, 69-76.	1.8	33
60	Enzyme Catalysis and Engineering. <i>Applied Biochemistry and Biotechnology</i> , 2005, 121, 0083-0084.	2.9	0
61	Characterization of Sol-Gel Bioencapsulates for Ester Hydrolysis and Synthesis. <i>Applied Biochemistry and Biotechnology</i> , 2005, 123, 0845-0860.	2.9	9
62	A comparative study on fungal laccases immobilized on chitosan. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 1-6.	0.5	7
63	Sulfluramid Volatility Reduction by β -Cyclodextrin. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1139-1143.	5.2	9
64	Determination of inhibition in the enzymatic hydrolysis of cellobiose using hybrid neural modeling. <i>Brazilian Journal of Chemical Engineering</i> , 2005, 22, 19-29.	1.3	20
65	Characterization of Sol-Gel Bioencapsulates for Ester Hydrolysis and Synthesis. , 2005, , 845-859.		0
66	Influence of the alkyl-substituted silane precursor on sol-gel encapsulated lipase activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 69-79.	1.8	64
67	Studies on Immobilized Lipase in Hydrophobic Sol-Gel. <i>Applied Biochemistry and Biotechnology</i> , 2004, 113, 307-320.	2.9	39
68	Studies on Immobilized Lipase in Hydrophobic Sol-Gel. , 2004, , 307-319.		0
69	Evaluation of Supports and Methods for Immobilization of Enzyme Cyclodextringlycosyltransferase. <i>Applied Biochemistry and Biotechnology</i> , 2003, 108, 809-820.	2.9	19
70	Covalent Coupling Method for Lipase Immobilization on Controlled Pore Silica in the Presence of Nonenzymatic Proteins. <i>Biotechnology Progress</i> , 2003, 19, 803-807.	2.6	32
71	Immobilization and catalytic properties of lipase on chitosan for hydrolysis and esterification reactions. <i>Brazilian Journal of Chemical Engineering</i> , 2003, 20, 343-355.	1.3	81
72	Evaluation of Supports and Methods for Immobilization of Enzyme Cyclodextringlycosyltransferase. , 2003, , 809-819.		0

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73	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 383-386.	1.6	17
74	Production of the Enzyme Cyclodextringlycosyltransferase from Bacillus firmus Alkalophilic. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 399-402.	1.6	3
75	Intensification of Lipase Performance for Long-Term Operation by Immobilization on Controlled Pore Silica in Presence of Polyethylene Glycol. Applied Biochemistry and Biotechnology, 2002, 98-100, 863-874.	2.9	19
76	Influence of Substrate and Product Concentrations on the Production of Cyclodextrins by CGTase of Bacillus firmus, Strain no. 37. Applied Biochemistry and Biotechnology, 2002, 98-100, 947-962.	2.9	19
77	Esterification Activity And Stability Of Candida Rugosa Lipase Immobilized Into Chitosan. Applied Biochemistry and Biotechnology, 2002, 98-100, 977-986.	2.9	19
78	Esterification Activity and Stability of Candida rugosa Lipase Immobilized into Chitosan. , 2002, , 977-986.		0
79	Intensification of Lipase Performance for Long-Term Operation by Immobilization on Controlled Pore Silica in Presence of Polyethylene Glycol. , 2002, , 863-874.		0
80	Comparison Of Catalytic Properties Of Free And Immobilized Cellobiase Novozym 188. Applied Biochemistry and Biotechnology, 2001, 91-93, 615-626.	2.9	31
81	Characterization of Cyclodextrin Glycosyltransferase from Bacillus firmus Strain No. 37. Applied Biochemistry and Biotechnology, 2001, 91-93, 643-654.	2.9	27
82	Selection of Stabilizing Additive for Lipase Immobilization on Controlled Pore Silica by Factorial Design. Applied Biochemistry and Biotechnology, 2001, 91-93, 703-718.	2.9	15
83	Kinetic Studies of Lipase from Candida rugosa A Comparative Study Between Free and Immobilized Enzyme onto Porous Chitosan Beads. Applied Biochemistry and Biotechnology, 2001, 91-93, 739-752.	2.9	87
84	Kinetic Studies of Lipase from Candida rugosa. , 2001, , 739-752.		13
85	Comparison of Catalytic Properties of Free and Immobilized Cellobiase Novozym 188. , 2001, , 615-626.		0
86	Production of Cyclodextrins in a Fluidized-Bed Reactor Using Cyclodextrin-Glycosyl-Transferase. Applied Biochemistry and Biotechnology, 2000, 84-86, 1003-1020.	2.9	28
87	Brazilian Bioethanol Program. Applied Biochemistry and Biotechnology, 2000, 84-86, 1147-1162.	2.9	76
88	Enhancement of Selectivity for Producing β -Cyclodextrin. Applied Biochemistry and Biotechnology, 2000, 84-86, 955-962.	2.9	10
89	Preparation of silica with controlled pore sizes for enzyme immobilization. Brazilian Journal of Chemical Engineering, 2000, 17, 71-77.	1.3	6
90	Thermal stability and energy of deactivation of free and immobilized cellobiase. Brazilian Journal of Chemical Engineering, 2000, 17, 841-848.	1.3	8

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91	Thermal stability and deactivation energy of free and immobilized invertase. Brazilian Journal of Chemical Engineering, 2000, 17, 867-872.	1.3	16
92	Characterization of free and immobilized invertase regarding activity and energy of activation. Brazilian Journal of Chemical Engineering, 2000, 17, 873-880.	1.3	27
93	Production of Cyclodextrins in a Fluidized-Bed Reactor Using Cyclodextrin-Glycosyl-Transferase. , 2000, , 1003-1019.		0
94	Bleaching of Kraft Pulp with Commercial Xylanases. Applied Biochemistry and Biotechnology, 1999, 79, 713-722.	2.9	5
95	Characterization and Utilization of Candida rugosa Lipase Immobilized on Controlled Pore Silica. Applied Biochemistry and Biotechnology, 1999, 79, 745-758.	2.9	169
96	Modeling Cellobiose Hydrolysis with Integrated Kinetic Models. Applied Biochemistry and Biotechnology, 1999, 79, 789-806.	2.9	18
97	Immobilization of porcine pancreatic lipase on celite for application in the synthesis of butyl butyrate in a nonaqueous system. JAOCS, Journal of the American Oil Chemists' Society, 1999, 76, 147-152.	1.9	24
98	Modeling Cellobiose Hydrolysis with Integrated Kinetic Models. , 1999, , 789-806.		0
99	Characterization and Utilization of Candida rugosa Lipase Immobilized on Controlled Pore Silica. , 1999, , 745-757.		42
100	Preparation and Characterization of Inclusion Complexes of Cyclodextrins and Tuberculosis Primary Treatment Drugs. , 1999, , 463-466.		0
101	Production and purification of CGTase of alkalophilic Bacillus isolated from Brazilian soil. Applied Biochemistry and Biotechnology, 1998, 70-72, 267-275.	2.9	29
102	Î2-Cyclodextrin production by simultaneous fermentation and cyclization. Applied Biochemistry and Biotechnology, 1998, 70-72, 789-804.	2.9	23
103	Thermal Stability and Energy of Deactivation of Free and Immobilized Amyloglucosidase in the Saccharification or Liquefied Cassava Starch. , 1998, , 383-394.		1
104	Modeling fixed and fluidized reactors for cassava starch saccharification with immobilized enzyme. Applied Biochemistry and Biotechnology, 1997, 63-65, 527-540.	2.9	5
105	Modeling Fixed and Fluidized Reactors for Cassava Starch Saccharification with Immobilized Enzyme. , 1997, , 527-540.		0
106	Modeling cassava starch saccharification with amyloglucosidase. Applied Biochemistry and Biotechnology, 1996, 57-58, 617-625.	2.9	25
107	Modeling Cassava Starch Saccharification with Amyloglucosidase. , 1996, , 617-625.		4
108	Production of insoluble exopolysaccharide of Agrobacterium sp. (ATCC 31749 and IFO 13140). Applied Biochemistry and Biotechnology, 1996, 131, 864-869.	2.9	0

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109	Stability of immobilized amyloglucosidase in the process of cassava starch saccharification. Applied Biochemistry and Biotechnology, 1995, 51-52, 253-262.	2.9	10
110	Performance of fixed and fluidized bed reactors with immobilized enzyme. Applied Biochemistry and Biotechnology, 1994, 45-46, 627-640.	2.9	18
111	Axial dispersion in a liquid fluidized bed of particles akin to immobilized enzymes. Applied Biochemistry and Biotechnology, 1993, 39-40, 477-489.	2.9	8
112	Interaction between hydrogen peroxide and ferrous sulfate as a basis for glucose determinations. Biotechnology Letters, 1985, 7, 197-202.	2.2	4
113	Coupling of glucose oxidase and Fenton's reaction for a simple and inexpensive assay of α -D-glucosidase. Enzyme and Microbial Technology, 1985, 7, 449-453.	3.2	10