

# MaurÃ-cio Boscolo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9355838/publications.pdf>

Version: 2024-02-01

79  
papers

1,704  
citations

257450

24  
h-index

315739

38  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pretreatment of sugarcane bagasse with microwaves irradiation and its effects on the structure and on enzymatic hydrolysis. <i>Applied Energy</i> , 2014, 122, 189-195.	10.1	121
2	Copper(II) Catalysis in Cyanide Conversion into Ethyl Carbamate in Spirits and Relevant Reactions. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 2819-2824.	5.2	97
3	Thermophilic fungi as new sources for production of cellulases and xylanases with potential use in sugarcane bagasse saccharification. <i>Journal of Applied Microbiology</i> , 2015, 118, 928-939.	3.1	87
4	Production and characterization of a milk-clotting protease in the crude enzymatic extract from the newly isolated <i>Thermomucor indicae-seudaticae</i> N31. <i>Food Chemistry</i> , 2010, 120, 87-93.	8.2	76
5	Ozonolysis combined with ultrasound as a pretreatment of sugarcane bagasse: Effect on the enzymatic saccharification and the physical and chemical characteristics of the substrate. <i>Bioresource Technology</i> , 2016, 218, 69-76.	9.6	69
6	Ligninases production by Basidiomycetes strains on lignocellulosic agricultural residues and their application in the decolorization of synthetic dyes. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 31-39.	2.0	67
7	Wine Aroma Improvement Using a $\beta$ -Glucosidase Preparation from <i>Aureobasidium pullulans</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 493-501.	2.9	53
8	Effect of pretreatment and enzymatic hydrolysis on the physical-chemical composition and morphologic structure of sugarcane bagasse and sugarcane straw. <i>Bioresource Technology</i> , 2016, 219, 773-777.	9.6	47
9	Identification and dosage by HRGC of minor alcohols and esters in Brazilian sugar-cane spirit. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 86-90.	0.6	46
10	Modulation of the activity and selectivity of the immobilized lipases by surfactants and solvents. <i>Biochemical Engineering Journal</i> , 2015, 93, 274-280.	3.6	43
11	A Novel $\beta$ -Glucosidase from <i>Sporidiobolus pararoseus</i> : Characterization and Application in Winemaking. <i>Journal of Food Science</i> , 2011, 76, C997-1002.	3.1	42
12	Carbamato de etila em bebidas alcoólicas (cachaça, tiquira, uísque e grapa). <i>Quimica Nova</i> , 2002, 25, 1074-1077.	0.3	40
13	Mixed metal oxides from sucrose and cornstarch templated hydrocalcite-like LDHs as catalysts for ethyl biodiesel synthesis. <i>Applied Catalysis A: General</i> , 2017, 532, 32-39.	4.3	38
14	Diuron degradation by bacteria from soil of sugarcane crops. <i>Heliyon</i> , 2017, 3, e00471.	3.2	38
15	Temperature dependent cellulase adsorption on lignin from sugarcane bagasse. <i>Bioresource Technology</i> , 2018, 252, 143-149.	9.6	37
16	New fluoroindate glass compositions. <i>Journal of Non-Crystalline Solids</i> , 1993, 161, 210-212.	3.1	36
17	Temperature Tuning the Catalytic Reactivity of Cu-Doped Porous Metal Oxides with Lignin Models. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2510-2516.	6.7	36
18	Production of Cyclodextrins by CGTase from <i>Bacillus clausii</i> Using Different Starches as Substrates. <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 3-13.	2.9	35

#	ARTICLE	IF	CITATIONS
19	The isolation of pentose-assimilating yeasts and their xylose fermentation potential. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 162-168.	2.0	35
20	Butanol synthesis from ethanol over CuMgAl mixed oxides modified with palladium (II) and indium (III). <i>Fuel Processing Technology</i> , 2018, 177, 353-357.	7.2	34
21	The kinetics and mechanism of the reaction between carbon dioxide and a series of amines. <i>Journal of Molecular Catalysis A</i> , 2001, 174, 7-13.	4.8	32
22	Purification and Characterization of an Ethanol-Tolerant $\alpha$ -Glucosidase from <i>Sporidiobolus pararoseus</i> and Its Potential for Hydrolysis of Wine Aroma Precursors. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1681-1691.	2.9	31
23	Production and characterization of lipases and immobilization of whole cell of the thermophilic <i>Thermomucor indicae seudaticae</i> N31 for transesterification reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 107, 106-113.	1.8	29
24	Extrusion of flavored corn grits: Structural characteristics, volatile compounds retention and sensory acceptability. <i>LWT - Food Science and Technology</i> , 2013, 54, 434-439.	5.2	27
25	Evaluation of Brazilian woods as an alternative to oak for cachaiçã aging. <i>European Food Research and Technology</i> , 2003, 218, 83-87.	3.3	26
26	Influence of ozonolysis time during sugarcane pretreatment: Effects on the fiber and enzymatic saccharification. <i>Bioresource Technology</i> , 2017, 224, 733-737.	9.6	23
27	Saccharification of pretreated sugarcane bagasse using enzymes solution from <i>Pycnoporus sanguineus</i> MCA 16 and cellulosic ethanol production. <i>Industrial Crops and Products</i> , 2019, 141, 111795.	5.2	23
28	Humic extracts from hydrochar and Amazonian Anthrosol: Molecular features and metal binding properties using EEM-PARAFAC and 2D FTIR correlation analyses. <i>Chemosphere</i> , 2020, 256, 127110.	8.2	21
29	Highly selective 1-butanol obtained from ethanol catalyzed by mixed metal oxides: Reaction optimization and catalyst structure behavior. <i>Molecular Catalysis</i> , 2019, 476, 110516.	2.0	20
30	Spectrophotometric Determination of Caramel Content in Spirits Aged in Oak Casks. <i>Journal of AOAC INTERNATIONAL</i> , 2002, 85, 744-750.	1.5	19
31	Halotolerance, ligninase production and herbicide degradation ability of basidiomycetes strains. <i>Brazilian Journal of Microbiology</i> , 2013, 44, 1207-1214.	2.0	19
32	Hydrophobic adsorption in ionic medium improves the catalytic properties of lipases applied in the triacylglycerol hydrolysis by synergism. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1933-1943.	3.4	19
33	Purification and Physicochemical Characterization of a Novel Thermostable Xylanase Secreted by the Fungus <i>Myceliophthora heterothallica</i> F.2.1.4. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 991-1008.	2.9	19
34	Effect of lanthanide ion doping on Mg <sup>2+</sup> /Al mixed oxides as active acid-base catalysts for fatty acid ethyl ester synthesis. <i>Renewable Energy</i> , 2019, 133, 367-372.	8.9	19
35	Biodegradation of atrazine and ligninolytic enzyme production by basidiomycete strains. <i>BMC Microbiology</i> , 2020, 20, 266.	3.3	19
36	Ligninolytic activity from newly isolated basidiomycete strains and effect of these enzymes on the azo dye orange II decolourisation. <i>Annals of Microbiology</i> , 2008, 58, 427-432.	2.6	17

#	ARTICLE	IF	CITATIONS
37	Structural and physicochemical characteristics of taioba starch in comparison with cassava starch and its potential for ethanol production. <i>Industrial Crops and Products</i> , 2020, 157, 112825.	5.2	16
38	Î <sup>2</sup> -Glucosidase production by <i>Trichoderma reesei</i> and <i>Thermoascus aurantiacus</i> by solid state cultivation and application of enzymatic cocktail for saccharification of sugarcane bagasse. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 503-513.	4.6	15
39	Pre-extrusion aromatization of a soy protein isolate using volatile compounds and flavor enhancers: Effects on physical characteristics, volatile retention and sensory characteristics of extrudates. <i>Food Research International</i> , 2014, 62, 375-381.	6.2	14
40	Osmotic Dehydration of Mango with Ascorbic Acid Impregnation: Influence of Process Variables. <i>Journal of Food Processing and Preservation</i> , 2015, 39, 384-393.	2.0	14
41	Application of a recombinant GH10 endoxylanase from <i>Thermoascus aurantiacus</i> for xylooligosaccharide production from sugarcane bagasse and probiotic bacterial growth. <i>Journal of Biotechnology</i> , 2022, 347, 1-8.	3.8	14
42	Production and capture of Î <sup>2</sup> -glucosidase from <i>Thermoascus aurantiacus</i> using a tailor made anionic cryogel. <i>Process Biochemistry</i> , 2019, 82, 75-83.	3.7	12
43	Soaking and ozonolysis pretreatment of sugarcane straw for the production of fermentable sugars. <i>Industrial Crops and Products</i> , 2020, 145, 111959.	5.2	9
44	<i>Citrobacter diversus</i> -derived keratinases and their potential application as detergent-compatible cloth-cleaning agents. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 969-977.	2.0	9
45	Enhancing the production of the fermentable sugars from sugarcane straw: A new approach to applying alkaline and ozonolysis pretreatments. <i>Renewable Energy</i> , 2021, 164, 502-508.	8.9	9
46	Improving cellulosic ethanol production using ozonolysis and acid as a sugarcane biomass pretreatment in mild conditions. <i>Bioresource Technology Reports</i> , 2021, 13, 100628.	2.7	9
47	First row transition metals on the ethanol Guerbet reaction: Products distribution and structural behavior of mixed metal oxides as catalysts. <i>Applied Catalysis A: General</i> , 2021, 623, 118272.	4.3	9
48	Production of saccharogenic and dextrinogenic amylases by <i>Rhizomucor pusillus</i> A 13.36. <i>Journal of Microbiology</i> , 2005, 43, 561-8.	2.8	9
49	Sucroquímica: síntese e potencialidades de aplicações de alguns derivados químicos de sacarose. <i>Química Nova</i> , 2003, 26, 906-912.	0.3	8
50	Purification and characterization of the Î <sup>2</sup> -glucosidase produced by thermophilic fungus <i>Thermoascus aurantiacus</i> CBMAI 756. <i>Journal of Microbiology</i> , 2010, 48, 452-459.	2.8	8
51	Degradation of the Organochlorinated Herbicide Diuron by Rainforest Basidiomycetes. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	8
52	Copper and lanthanum mixed oxides as catalysts for ethanol Guerbet coupling: The role of La <sup>3+</sup> on the production of long-chain alcohols. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13541.	2.3	8
53	The improvement of grape juice quality using <i>Thermomucor Indicae-Seudaticae</i> pectinase. <i>Journal of Food Science and Technology</i> , 2020, 57, 1565-1573.	2.8	7
54	Biochemical and thermodynamic characteristics of a new serine protease from <i>Mucor subtilissimus</i> URM 4133. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 28, e00552.	4.4	7

#	ARTICLE	IF	CITATIONS
55	Keratinases from <i>Coriopsis byrsina</i> as an alternative for feather degradation: applications for cloth cleaning based on commercial detergent compatibility and for the production of collagen hydrolysate. <i>Biotechnology Letters</i> , 2020, 42, 2403-2412.	2.2	7
56	A new synthetic methodology for pyridinic sucrose esters and their antibacterial effects against Gram-positive and Gram-negative strains. <i>Carbohydrate Research</i> , 2020, 489, 107957.	2.3	7
57	A Collagenolytic Aspartic Protease from <i>Thermomucor indicae-seudaticae</i> Expressed in <i>Escherichia coli</i> and <i>Pichia pastoris</i> . <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1258-1270.	2.9	7
58	Patulin determination in apples with rotten areas. <i>World Mycotoxin Journal</i> , 2009, 2, 279-283.	1.4	6
59	Natural sucrose esters: Perspectives on the chemical and physiological use of an under investigated chemical class of compounds. <i>Phytochemistry</i> , 2020, 177, 112433.	2.9	6
60	Upgrading 1-butanol to unsaturated, carbonyl and aromatic compounds: a new synthesis approach to produce important organic building blocks. <i>Green Chemistry</i> , 2020, 22, 2365-2369.	9.0	6
61	Ethyl esters production catalyzed by immobilized lipases is influenced by n-hexane and ter-amyl alcohol as organic solvents. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 2107-2115.	3.4	6
62	Combined Sugarcane Pretreatment for the Generation of Ethanol and Value-Added Products. <i>Frontiers in Energy Research</i> , 2022, 10, .	2.3	5
63	Mortality of <i>Bemisia tabaci</i> biotype B (sternorrhyncha: aleyrodidae) adults by aliphatic and aromatic synthetic sucrose esters. <i>Brazilian Archives of Biology and Technology</i> , 2008, 51, 1115-1119.	0.5	4
64	Influência da composição do meio para a produção de etanol, por <i>Zymomonas mobilis</i> . <i>Acta Scientiarum - Technology</i> , 2010, 32, .	0.4	3
65	Functional properties and potential application of ethanol tolerant Î <sup>2</sup> -glucosidases from <i>Pichia ofunaensis</i> and <i>Trichosporon multisporum</i> yeasts. <i>3 Biotech</i> , 2021, 11, 467.	2.2	3
66	Improved Utility of Pentoses from Lignocellulolytic Hydrolysate: Challenges and Perspectives for Enabling <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5919-5921.	5.2	2
67	Ultrasound affects the selectivity and activity of immobilized lipases applied to fatty acid ethyl ester synthesis. <i>Acta Scientiarum - Technology</i> , 2019, 42, e46582.	0.4	2
68	Induction of fungal cellulolytic enzymes using sugarcane bagasse and xylose-rich liquor as substrates. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 443-450.	1.3	2
69	Heterogeneous catalytic ethanol transformation into chemicals: Some Brazilian contributions. <i>Advances in Inorganic Chemistry</i> , 2021, , 343-375.	1.0	2
70	Fungal cellulases: production by solid-state cultivation in packed-bed bioreactor using solid agro-industrial by-products as substrates and application for hydrolysis of sugarcane bagasse. <i>Semina: Ciências Agrárias</i> , 0, , 2097-2116.	0.3	2
71	Synergistic action of crude enzymatic extracts of <i>Thermoascus aurantiacus</i> CBMAI756 and <i>Thermomyces lanuginosus</i> on saccharification of sugarcane bagasse. <i>Journal of Biotechnology</i> , 2010, 150, 167-167.	3.8	1
72	Evaluation of the use of <i>Syzygium cumini</i> fruit extract as an antioxidant additive in orange juice and its sensorial impact. <i>International Journal of Food Sciences and Nutrition</i> , 2012, 63, 273-277.	2.8	1

#	ARTICLE	IF	CITATIONS
73	Metal Oxides Derived from Modified Hydromagnesite: Evaluation of Their Catalytic Activity in the Synthesis of Ethyl Biodiesel. <i>ChemistrySelect</i> , 2019, 4, 10202-10207.	1.5	1
74	Prospecting for l-arabinose/d-xylose symporters from <i>Pichia guilliermondii</i> and <i>Aureobasidium leucospermi</i> . <i>Brazilian Journal of Microbiology</i> , 2020, 51, 145-150.	2.0	1
75	Free and Substrate-Immobilised Lipases from <i>Fusarium verticillioides</i> P24 as a Biocatalyst for Hydrolysis and Transesterification Reactions. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 33-51.	2.9	1
76	Production and biochemical characterization of xylanases synthesized by the thermophilic fungus <i>Rasamsonia emersonii</i> S10 by solid-state cultivation. <i>Ecletica Quimica</i> , 2021, 46, 53-67.	0.5	1
77	Óxidos metálicos derivados de materiais tipo hidrotalcitas contendo Ga <sup>3+</sup> como catalisadores para síntese de biodiesel etílico. <i>Quimica Nova</i> , 0, , .	0.3	1
78	Evaluation of the tolerance and biotransformation of ferulic acid by <i>Klebsiella pneumoniae</i> TD 4.7. <i>Brazilian Journal of Microbiology</i> , 2021, 52, 1181-1190.	2.0	0
79	Fast and Selective Synthesis of Mono-Substituted Sucrose Methacrylate Ester Monomer. <i>Carbohydrate Research</i> , 2021, 511, 108465.	2.3	0