

# Eduardo A Ximenes

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

3,928  
citations

218381

26  
h-index

161609

54  
g-index

60  
all docs

60  
docs citations

60  
times ranked

4327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deactivation of cellulases by phenols. <i>Enzyme and Microbial Technology</i> , 2011, 48, 54-60.	1.6	436
2	Inhibition of cellulases by phenols. <i>Enzyme and Microbial Technology</i> , 2010, 46, 170-176.	1.6	403
3	Soluble inhibitors/deactivators of cellulase enzymes from lignocellulosic biomass. <i>Enzyme and Microbial Technology</i> , 2011, 48, 408-415.	1.6	398
4	Disruption of Mediator rescues the stunted growth of a lignin-deficient <i>Arabidopsis</i> mutant. <i>Nature</i> , 2014, 509, 376-380.	13.7	313
5	Effect of liquid hot water pretreatment severity on properties of hardwood lignin and enzymatic hydrolysis of cellulose. <i>Biotechnology and Bioengineering</i> , 2015, 112, 252-262.	1.7	283
6	Adsorption of enzyme onto lignins of liquid hot water pretreated hardwoods. <i>Biotechnology and Bioengineering</i> , 2015, 112, 447-456.	1.7	207
7	Lignin-Enzyme Interactions in the Hydrolysis of Lignocellulosic Biomass. <i>Trends in Biotechnology</i> , 2019, 37, 518-531.	4.9	183
8	Lignin monomer composition affects <i>Arabidopsis</i> cell-wall degradability after liquid hot water pretreatment. <i>Biotechnology for Biofuels</i> , 2010, 3, 27.	6.2	178
9	Enzyme characterization for hydrolysis of AFEX and liquid hot-water pretreated distillers' grains and their conversion to ethanol. <i>Bioresource Technology</i> , 2008, 99, 5216-5225.	4.8	144
10	Manipulation of Guaiacyl and Syringyl Monomer Biosynthesis in an <i>Arabidopsis</i> Cinnamyl Alcohol Dehydrogenase Mutant Results in Atypical Lignin Biosynthesis and Modified Cell Wall Structure. <i>Plant Cell</i> , 2015, 27, 2195-2209.	3.1	136
11	Effect of phenolic compounds from pretreated sugarcane bagasse on cellulolytic and hemicellulolytic activities. <i>Bioresource Technology</i> , 2016, 199, 275-278.	4.8	87
12	Secretome analysis of <i>Trichoderma reesei</i> and <i>Aspergillus niger</i> cultivated by submerged and sequential fermentation processes: Enzyme production for sugarcane bagasse hydrolysis. <i>Enzyme and Microbial Technology</i> , 2016, 90, 53-60.	1.6	86
13	Severity factor kinetic model as a strategic parameter of hydrothermal processing (steam explosion) Tj ETQq1 1 0.784314 rgBT /Over 2021, 342, 125961.	4.8	83
14	Production of Cellulases by <i>Aspergillus fumigatus</i> and Characterization of One $\beta$ -Glucosidase. <i>Current Microbiology</i> , 1996, 32, 119-123.	1.0	72
15	Tissue-specific biomass recalcitrance in corn stover pretreated with liquid hot water: Enzymatic hydrolysis (part 1). <i>Biotechnology and Bioengineering</i> , 2012, 109, 390-397.	1.7	69
16	Noncatalytic Docking Domains of Cellulosomes of Anaerobic Fungi. <i>Journal of Bacteriology</i> , 2001, 183, 5325-5333.	1.0	66
17	Biological abatement of cellulase inhibitors. <i>Bioresource Technology</i> , 2013, 146, 604-610.	4.8	49
18	Rapid Sample Processing for Detection of Food-Borne Pathogens via Cross-Flow Microfiltration. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7048-7054.	1.4	46

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19	Bioabatement with hemicellulase supplementation to reduce enzymatic hydrolysis inhibitors. <i>Bioresource Technology</i> , 2015, 190, 412-415.	4.8	44
20	Nano/Micro and Spectroscopic Approaches to Food Pathogen Detection. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 65-88.	2.8	42
21	Enhanced Antimicrobial Efficacy of Bimetallic Porous CuO Microspheres Decorated with Ag Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39165-39173.	4.0	41
22	Tissue-specific biomass recalcitrance in corn stover pretreated with liquid hot-water: SEM imaging (part 2). <i>Biotechnology and Bioengineering</i> , 2012, 109, 398-404.	1.7	40
23	Foodborne pathogens in horticultural production systems: Ecology and mitigation. <i>Scientia Horticulturae</i> , 2018, 236, 192-206.	1.7	40
24	Temperature dependent cellulase adsorption on lignin from sugarcane bagasse. <i>Bioresource Technology</i> , 2018, 252, 143-149.	4.8	37
25	Expression of an AT-rich xylanase gene from the anaerobic fungus <i>Orpinomyces</i> sp. strain PC-2 in and secretion of the heterologous enzyme by <i>Hypocrea jecorina</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 1264-1275.	1.7	32
26	Cellulose conversion of corn pericarp without pretreatment. <i>Bioresource Technology</i> , 2017, 245, 511-517.	4.8	29
27	Identification of two novel xylanase-encoding genes ( <i>xyn5</i> and <i>xyn6</i> ) from <i>Acrophialophora nainiana</i> and heterologous expression of <i>xyn6</i> in <i>Trichoderma reesei</i> . <i>Biotechnology Letters</i> , 2007, 29, 1195-1201.	1.1	25
28	Maleic acid treatment of biologically detoxified corn stover liquor. <i>Bioresource Technology</i> , 2016, 216, 437-445.	4.8	25
29	Ethanol Production from Maize. <i>Biotechnology in Agriculture and Forestry</i> , 2009, , 347-364.	0.2	25
30	Adaptive laboratory evolution of nanocellulose-producing bacterium. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1923-1933.	1.7	24
31	A mannanase, <i>ManA</i> , of the polycentric anaerobic fungus <i>Orpinomyces</i> sp. strain PC-2 has carbohydrate binding and docking modules. <i>Canadian Journal of Microbiology</i> , 2005, 51, 559-568.	0.8	23
32	Accelerating sample preparation through enzyme-assisted microfiltration of <i>Salmonella</i> in chicken extract. <i>Biotechnology Progress</i> , 2015, 31, 1551-1562.	1.3	21
33	CelF of <i>Orpinomyces</i> PC-2 Has an Intron and Encodes a Cellulase (CelF) Containing a Carbohydrate-Binding Module. <i>Applied Biochemistry and Biotechnology</i> , 2003, 108, 775-786.	1.4	20
34	Enzyme production by industrially relevant fungi cultured on coproduct from corn dry grind ethanol plants. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 171-183.	1.4	18
35	Human pathogens in plant biofilms: Formation, physiology, and detection. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1403-1418.	1.7	18
36	Properties of a Recombinant $\beta$ -Glucosidase from Polycentric Anaerobic Fungus <i>Orpinomyces</i> PC-2 and Its Application for Cellulose Hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , 2004, 113, 233-250.	1.4	17

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37	Impact of protein blocking on enzymatic saccharification of bagasse from sugarcane clones. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1584-1593.	1.7	16
38	Secretome data from <i>Trichoderma reesei</i> and <i>Aspergillus niger</i> cultivated in submerged and sequential fermentation methods. <i>Data in Brief</i> , 2016, 8, 588-598.	0.5	15
39	Hydrothermal Pretreatment of Lignocellulosic Biomass for Bioethanol Production. , 2017, , 181-205.		12
40	Moving from residual lignocellulosic biomass into high-value products: Outcomes from a long-term international cooperation. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 563-573.	1.9	12
41	Effect of using a nitrogen atmosphere on enzyme hydrolysis at high corn stover loadings in an agitated reactor. <i>Biotechnology Progress</i> , 2020, 36, e3059.	1.3	11
42	New strategy for liquefying corn stover pellets. <i>Bioresource Technology</i> , 2021, 341, 125773.	4.8	11
43	Microfiltration of enzyme treated egg whites for accelerated detection of viable <i>Salmonella</i> . <i>Biotechnology Progress</i> , 2016, 32, 1464-1471.	1.3	10
44	Protein particulate retention and microorganism recovery for rapid detection of <i>Salmonella</i> . <i>Biotechnology Progress</i> , 2017, 33, 687-695.	1.3	10
45	Microbial enrichment and multiplexed microfiltration for accelerated detection of <i>Salmonella</i> in spinach. <i>Biotechnology Progress</i> , 2019, 35, e2874.	1.3	9
46	Rheology of enzyme liquefied corn stover slurries: The effect of solids concentration on yielding and flow behavior. <i>Biotechnology Progress</i> , 2021, 37, e3216.	1.3	8
47	Evaluation of a <i>Hypocrea jecorina</i> Enzyme Preparation for Hydrolysis of Tifton 85 Bermudagrass. <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 89-100.	1.4	7
48	Doppler imaging detects bacterial infection of living tissue. <i>Communications Biology</i> , 2021, 4, 178.	2.0	6
49	Accelerated Sample Preparation for Fast <i>Salmonella</i> Detection in Poultry Products. <i>Methods in Molecular Biology</i> , 2019, 1918, 3-20.	0.4	6
50	Cellulolytic enzymes production guided by morphology engineering. <i>Enzyme and Microbial Technology</i> , 2021, 149, 109833.	1.6	5
51	Combined Sugarcane Pretreatment for the Generation of Ethanol and Value-Added Products. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	5
52	Proteins at heterogeneous (lignocellulose) interfaces. <i>Current Opinion in Chemical Engineering</i> , 2017, 18, 45-54.	3.8	4
53	Phase-Sensitive Intracellular Doppler Fluctuation Spectroscopy. <i>Physical Review Applied</i> , 2021, 15, .	1.5	4
54	Construction and operation of a multiplexed microfiltration device to facilitate rapid pathogen detection. <i>Biotechnology Progress</i> , 2019, 35, e2889.	1.3	2

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55	Protective effects of non-catalytic proteins on endoglucanase activity at air and lignin interfaces. <i>Biotechnology Progress</i> , 2021, 37, e3134.	1.3	1
56	Evaluation of a <i>Hypocrea jecorina</i> Enzyme Preparation for Hydrolysis of Tifton 85 Bermudagrass. , 2008, , 209-220.		1
57	Expression of an AT-rich xylanase gene from the anaerobic fungus <i>Orpinomyces</i> sp. strain PC-2 in and secretion of the heterologous enzyme by <i>Hypocrea jecorina</i> . , 2007, 74, 1264.		1
58	CeIF of <i>Orpinomyces</i> PC-2 Has an Intron and Encodes a Cellulase (CeIF) Containing a Carbohydrate-Binding Module. , 2003, , 775-785.		0
59	Properties of a Recombinant $\beta$ -Glucosidase from Polycentric Anaerobic Fungus <i>Orpinomyces</i> PC-2 and Its Application for Cellulose Hydrolysis. , 2004, , 233-250.		0