Michele Michelin

List of Publications by Year
in descending order

57 papers	1,754 citations	257450 24 h-index	289244 40 g-index
59 all docs	59 docs citations	59 times ranked	2068 citing authors

#	Article	IF	Citations
1	Integrated technologies for extractives recovery, fractionation, and bioethanol production from lignocellulose. , 2022, , 107-139.		1
2	Rehabilitation of a historically contaminated soil by different laccases and laccase-mediator system. Journal of Soils and Sediments, 2022, 22, 1546-1554.	3.0	8
3	Biodegradation of chrysene and benzo[a]pyrene and removal of metals from naturally contaminated soil by isolated Trametes versicolor strain and laccase produced thereof. Environmental Technology and Innovation, 2022, 28, 102737.	6.1	7
4	Co-production of biofuels and value-added compounds from industrial Eucalyptus globulus bark residues using hydrothermal treatment. Fuel, 2021, 285, 119265.	6.4	29
5	Ligninolytic enzymes production during polycyclic aromatic hydrocarbons degradation: effect of soil pH, soil amendments and fungal co-cultivation. Biodegradation, 2021, 32, 193-215.	3.0	19
6	Development of a packed bed reactor for the removal of aromatic hydrocarbons from soil using laccase/mediator feeding system. Microbiological Research, 2021, 245, 126687.	5.3	11
7	Saccharification of different sugarcane bagasse varieties by enzymatic cocktails produced by Mycothermus thermophilus and Trichoderma reesei RP698 cultures in agro-industrial residues. Energy, 2021, 226, 120360.	8.8	9
8	Hot Compressed Water Pretreatment and Surfactant Effect on Enzymatic Hydrolysis Using Agave Bagasse. Energies, 2021, 14, 4746.	3.1	13
9	L-lactic acid production from multi-supply autohydrolyzed economically unexploited lignocellulosic biomass. Industrial Crops and Products, 2021, 170, 113775.	5.2	18
10	Challenges of Biomass Utilization for Bioenergy in a Climate Change Scenario. Biology, 2021, 10, 1277.	2.8	27
11	Trametes versicolor laccase production using agricultural wastes: a comparative study in Erlenmeyer flasks, bioreactor and tray. Bioprocess and Biosystems Engineering, 2020, 43, 507-514.	3.4	44
12	Green synthesis of lignin nano- and micro-particles: Physicochemical characterization, bioactive properties and cytotoxicity assessment. International Journal of Biological Macromolecules, 2020, 163, 1798-1809.	7.5	46
13	Nanocellulose Production: Exploring the Enzymatic Route and Residues of Pulp and Paper Industry. Molecules, 2020, 25, 3411.	3.8	101
14	Sunflower stalk as a carbon source inductive for fungal xylanase production. Industrial Crops and Products, 2020, 153, 112368.	5.2	17
15	Valorization of lignocellulosic-based wastes. , 2020, , 383-410.		11
16	Carboxymethyl cellulose-based films: Effect of organosolv lignin incorporation on physicochemical and antioxidant properties. Journal of Food Engineering, 2020, 285, 110107.	5.2	55
17	Production of Biomass-Degrading Enzymes by Trichoderma reesei Using Liquid Hot Water-Pretreated Corncob in Different Conditions of Oxygen Transfer. Bioenergy Research, 2019, 12, 583-592.	3.9	10
18	Enhancement and modeling of enzymatic hydrolysis on cellulose from agave bagasse hydrothermally pretreated in a horizontal bioreactor. Carbohydrate Polymers, 2019, 211, 349-359.	10.2	71

#	Article	IF	Citations
19	Bioreactor design for enzymatic hydrolysis of biomass under the biorefinery concept. Chemical Engineering Journal, 2018, 347, 119-136.	12.7	145
20	Cellulose nanocrystals from grape pomace: Production, properties and cytotoxicity assessment. Carbohydrate Polymers, 2018, 192, 327-336.	10.2	108
21	Multi-step approach to add value to corncob: Production of biomass-degrading enzymes, lignin and fermentable sugars. Bioresource Technology, 2018, 247, 582-590.	9.6	41
22	Comparative autohydrolysis study of two mixtures of forest and marginal land resources for co-production of biofuels and value-added compounds. Renewable Energy, 2018, 128, 20-29.	8.9	33
23	Lignin from an integrated process consisting of liquid hot water and ethanol organosolv: Physicochemical and antioxidant properties. International Journal of Biological Macromolecules, 2018, 120, 159-169.	7.5	80
24	Lignocellulosic Materials and Their Use in Bio-based Packaging. Springer Briefs in Molecular Science, 2018, , .	0.1	10
25	Lignocellulosic Materials: Sources and Processing Technologies. Springer Briefs in Molecular Science, 2018, , 13-33.	0.1	5
26	Processing, Production Methods and Characterization of Bio-Based Packaging Materials. Springer Briefs in Molecular Science, 2018, , 49-63.	0.1	1
27	Use of Lignocellulosic Materials in Bio-based Packaging. Springer Briefs in Molecular Science, 2018, , 65-85.	0.1	6
28	Food Applications of Lignocellulosic-Based Packaging Materials. Springer Briefs in Molecular Science, 2018, , 87-94.	0.1	1
29	Conclusion and Future Trends. Springer Briefs in Molecular Science, 2018, , 95-97.	0.1	1
30	Valorization of Wastes From Agrofood and Pulp and Paper Industries Within the Biorefinery Concept: Southwestern Europe Scenario. , 2018, , 487-504.		10
31	Enzymes Involved in the Biodegradation of Sugarcane Biomass: Challenges and Perspectives. , 2017, , 55-79.		7
32	Neosartorya glabra polygalacturonase produced from fruit peels as inducers has the potential for application in passion fruit and apple juices. Brazilian Journal of Food Technology, 2017, 20, .	0.8	7
33	Production of Hemicellulases, Xylitol, and Furan from Hemicellulosic Hydrolysates Using Hydrothermal Pretreatment. , 2017, , 285-315.		5
34	Liquid hot water pretreatment of multi feedstocks and enzymatic hydrolysis of solids obtained thereof. Bioresource Technology, 2016, 216, 862-869.	9.6	95
35	Effect of phenolic compounds from pretreated sugarcane bagasse on cellulolytic and hemicellulolytic activities. Bioresource Technology, 2016, 199, 275-278.	9.6	87
36	Characterization of multiple xylanase forms from Aspergillus tamarii resistant to phenolic compounds. Mycosphere, 2016, 7, 1554-1567.	6.1	13

#	Article	IF	Citations
37	Partial Purification and Characterization of a Thermostable Î²-Mannanase from Aspergillus foetidus. Applied Sciences (Switzerland), 2015, 5, 881-893.	2.5	8
38	Cellulose from Lignocellulosic Waste. , 2014, , 1-33.		6
39	Purification and Biochemical Properties of Multiple Xylanases from Aspergillus ochraceus Tolerant to Hg2+ Ion and a Wide Range of pH. Applied Biochemistry and Biotechnology, 2014, 174, 206-220.	2.9	13
40	Purification, partial characterization, and covalent immobilizationâ€"stabilization of an extracellular Î±-amylase from Aspergillus niveus. Folia Microbiologica, 2013, 58, 495-502.	2.3	16
41	Influence of volumetric oxygen transfer coefficient (kLa) on xylanases batch production by Aspergillus niger van Tieghem in stirred tank and internal-loop airlift bioreactors. Biochemical Engineering Journal, 2013, 80, 19-26.	3.6	40
42	Evidence of high production levels of thermostable dextrinizing and saccharogenic amylases by Aspergillus niveus. African Journal of Biotechnology, 2013, 12, 1874-1881.	0.6	8
43	Production of xylanase and Î²-xylosidase from autohydrolysis liquor of corncob using two fungal strains. Bioprocess and Biosystems Engineering, 2012, 35, 1185-1192.	3.4	35
44	A novel xylan degrading Î²-d-xylosidase: purification and biochemical characterization. World Journal of Microbiology and Biotechnology, 2012, 28, 3179-3186.	3.6	16
45	Production and action of an Aspergillus phoenicis enzymatic pool using different carbon sources. Brazilian Journal of Food Technology, 2012, 15, 253-260.	0.8	7
46	Xylanase and Î²-Xylosidase Production by Aspergillus ochraceus: New Perspectives for the Application of Wheat Straw Autohydrolysis Liquor. Applied Biochemistry and Biotechnology, 2012, 166, 336-347.	2.9	30
47	Production of xylanolytic enzymes by Aspergillus terricola in stirred tank and airlift tower loop bioreactors. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1979-1984.	3.0	25
48	Production and properties of xylanases from Aspergillus terricola Marchal and Aspergillus ochraceus and their use in cellulose pulp bleaching. Bioprocess and Biosystems Engineering, 2010, 33, 813-821.	3.4	31
49	Purification and characterization of a thermostable Î±-amylase produced by the fungus Paecilomyces variotii. Carbohydrate Research, 2010, 345, 2348-2353.	2.3	60
50	Tunicamycin inhibition of N-glycosylation of Î±-glucosidase from Aspergillus niveus: partial influence on biochemical properties. Biotechnology Letters, 2010, 32, 1449-1455.	2.2	8
51	Use of Cassava Peel as Carbon Source for Production of Amylolytic Enzymes by Aspergillus niveus. International Journal of Food Engineering, 2009, 5, .	1.5	10
52	Production of xylanase by Aspergilli using alternative carbon sources: application of the crude extract on cellulose pulp biobleaching. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 149-155.	3.0	39
53	Properties of a purified thermostable glucoamylase from Aspergillus niveus. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 1439-1446.	3.0	32
54	Xylanases from Aspergillus niger, Aspergillus niveus and Aspergillus ochraceus produced under solid-state fermentation and their application in cellulose pulp bleaching. Bioprocess and Biosystems Engineering, 2009, 32, 819-824.	3.4	65

#	Article	IF	Citations
55	Purification and biochemical characterization of a novel Î±-glucosidase from Aspergillus niveus. Antonie Van Leeuwenhoek, 2009, 96, 569-578.	1.7	21
56	Purification and biochemical characterization of a thermostable extracellular glucoamylase produced by the thermotolerant fungus Paecilomyces variotii. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 17-25.	3.0	47
57	Screening of filamentous fungi for production of enzymes of biotechnological interest. Brazilian Journal of Microbiology, 2006, 37, 474-480.	2.0	84