

# MarÃ-a JosÃ© Negro

## List of Publications by Year in descending order

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69  
papers

7,918  
citations

81900

39  
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118850

62  
g-index

69  
all docs

69  
docs citations

69  
times ranked

7207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pretreatment technologies for an efficient bioethanol production process based on enzymatic hydrolysis: A review. <i>Bioresource Technology</i> , 2010, 101, 4851-4861.	9.6	3,203
2	Ethanol from lignocellulosic materials by a simultaneous saccharification and fermentation process (SFS) with <i>Kluyveromyces marxianus</i> CECT 10875. <i>Process Biochemistry</i> , 2004, 39, 1843-1848.	3.7	434
3	Ethanol Production From Steam-Explosion Pretreated Wheat Straw. <i>Applied Biochemistry and Biotechnology</i> , 2006, 130, 496-508.	2.9	260
4	Enhanced enzymatic hydrolysis of olive tree wood by steam explosion and alkaline peroxide delignification. <i>Process Biochemistry</i> , 2006, 41, 423-429.	3.7	243
5	Optimizing Liquid Hot Water pretreatment conditions to enhance sugar recovery from wheat straw for fuel-ethanol production. <i>Fuel</i> , 2008, 87, 3640-3647.	6.4	236
6	Production of fuel ethanol from steam-explosion pretreated olive tree pruning. <i>Fuel</i> , 2008, 87, 692-700.	6.4	203
7	Biorefinery based on olive biomass. State of the art and future trends. <i>Bioresource Technology</i> , 2014, 159, 421-432.	9.6	180
8	Influence of solid loading on enzymatic hydrolysis of steam exploded or liquid hot water pretreated olive tree biomass. <i>Process Biochemistry</i> , 2007, 42, 1003-1009.	3.7	179
9	Hydrothermal Pretreatment Conditions to Enhance Ethanol Production from Poplar Biomass. <i>Applied Biochemistry and Biotechnology</i> , 2003, 105, 87-100.	2.9	152
10	Changes in various physical/chemical parameters of <i>Pinus pinaster</i> wood after steam explosion pretreatment. <i>Biomass and Bioenergy</i> , 2003, 25, 301-308.	5.7	150
11	Effect of Inhibitors Released During Steam-Explosion Pretreatment of Barley Straw on Enzymatic Hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , 2006, 129, 278-288.	2.9	142
12	Enzymic hydrolysis of steam exploded herbaceous agricultural waste ( <i>Brassica carinata</i> ) at different particule sizes. <i>Process Biochemistry</i> , 2002, 38, 187-192.	3.7	138
13	Effect of Lignocellulosic Degradation Compounds from Steam Explosion Pretreatment on Ethanol Fermentation by Thermotolerant Yeast <i>Kluyveromyces marxianus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2003, 105, 141-154.	2.9	118
14	Effect of endoxylanase and $\beta$ -l-arabinofuranosidase supplementation on the enzymatic hydrolysis of steam exploded wheat straw. <i>Bioresource Technology</i> , 2011, 102, 4552-4558.	9.6	112
15	Second-generation ethanol production from steam exploded barley straw by <i>Kluyveromyces marxianus</i> CECT 10875. <i>Fuel</i> , 2011, 90, 1624-1630.	6.4	88
16	Optimized use of hemicellulose within a biorefinery for processing high value-added xylooligosaccharides. <i>Industrial Crops and Products</i> , 2017, 99, 41-48.	5.2	79
17	Dilute sulfuric acid pretreatment of cardoon for ethanol production. <i>Biochemical Engineering Journal</i> , 2008, 42, 84-91.	3.6	77
18	Effect of water extraction on sugars recovery from steam exploded olive tree pruning. <i>Bioresource Technology</i> , 2011, 102, 6611-6616.	9.6	77

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19	SE"Structure and Environment. Biosystems Engineering, 2001, 79, 317-329.	0.4	76
20	Different process configurations for bioethanol production from pretreated olive pruning biomass. Journal of Chemical Technology and Biotechnology, 2011, 86, 881-887.	3.2	74
21	Processing of extracted olive oil pomace residue by hydrothermal or dilute acid pretreatment and enzymatic hydrolysis in a biorefinery context. Renewable Energy, 2020, 145, 1235-1245.	8.9	73
22	Ethanol production from glucose and xylose obtained from steam exploded water-extracted olive tree pruning using phosphoric acid as catalyst. Bioresource Technology, 2014, 153, 101-107.	9.6	68
23	Title is missing!. World Journal of Microbiology and Biotechnology, 2002, 18, 559-561.	3.6	67
24	Olive-derived biomass as a source of energy and chemicals. Biofuels, Bioproducts and Biorefining, 2017, 11, 1077-1094.	3.7	67
25	Steam Explosion for Wheat Straw Pretreatment for Sugars Production. Bioethanol, 2016, 2, .	1.2	65
26	Residual biomass potential in olive tree cultivation and olive oil industry in Spain: valorization proposal in a biorefinery context. Spanish Journal of Agricultural Research, 2017, 15, e0206.	0.6	65
27	Pretreatment Technologies for Lignocellulose-to-Bioethanol Conversion. , 2011, , 149-176.		61
28	Evaluating Lignin-Rich Residues from Biochemical Ethanol Production of Wheat Straw and Olive Tree Pruning by FTIR and 2D-NMR. International Journal of Polymer Science, 2015, 2015, 1-11.	2.7	58
29	Effects of acetic acid, furfural and catechol combinations on ethanol fermentation of Kluyveromyces marxianus. Process Biochemistry, 2006, 41, 1223-1228.	3.7	56
30	Effect of different cellulase dosages on cell viability and ethanol production by Kluyveromyces marxianus in SSF processes. Bioresource Technology, 2009, 100, 890-895.	9.6	56
31	Ethanol Production from the Organic Fraction Obtained After Thermal Pretreatment of Municipal Solid Waste. Applied Biochemistry and Biotechnology, 2010, 161, 423-431.	2.9	55
32	Xylanase contribution to the efficiency of cellulose enzymatic hydrolysis of barley straw. Applied Biochemistry and Biotechnology, 2007, 137-140, 353-365.	2.9	54
33	Composting of sweet sorghum bagasse with other wastes. Bioresource Technology, 1999, 67, 89-92.	9.6	50
34	Effect of Binary Combinations of Selected Toxic Compounds on Growth and Fermentation of Kluyveromyces marxianus. Biotechnology Progress, 2004, 20, 715-720.	2.6	49
35	Optimization of integrated alkaline"extrusion pretreatment of barley straw for sugar production by enzymatic hydrolysis. Process Biochemistry, 2013, 48, 775-781.	3.7	49
36	A Sequential Steam Explosion and Reactive Extrusion Pretreatment for Lignocellulosic Biomass Conversion within a Fermentation-Based Biorefinery Perspective. Fermentation, 2017, 3, 15.	3.0	48

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37	Sugar production from barley straw biomass pretreated by combined alkali and enzymatic extrusion. <i>Bioresource Technology</i> , 2014, 158, 262-268.	9.6	47
38	High Solids Loading Pretreatment of Olive Tree Pruning with Dilute Phosphoric Acid for Bioethanol Production by <i>Escherichia coli</i> . <i>Energy &amp; Fuels</i> , 2015, 29, 1735-1742.	5.1	46
39	Evaluation of lignins from side-streams generated in an olive tree pruning-based biorefinery: Bioethanol production and alkaline pulping. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 238-251.	7.5	46
40	Ethanol Production from Olive Oil Extraction Residue Pretreated with Hot Water. <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 717-732.	2.9	43
41	Second-Generation Bioethanol Production Combining Simultaneous Fermentation and Saccharification of IL-Pretreated Barley Straw. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7086-7095.	6.7	41
42	Integral process assessment of sugarcane agricultural crop residues conversion to ethanol. <i>Bioresource Technology</i> , 2018, 260, 241-247.	9.6	36
43	Hydrothermal Pretreatment Conditions to Enhance Ethanol Production from Poplar Biomass. , 2003, , 87-100.		34
44	Purification and characterization of a GH43 $\beta$ -xylosidase from <i>Enterobacter</i> sp. identified and cloned from forest soil bacteria. <i>Microbiological Research</i> , 2014, 169, 213-220.	5.3	34
45	Fermentation strategies for the efficient use of olive tree pruning biomass from a flexible biorefinery approach. <i>Fuel</i> , 2020, 277, 118171.	6.4	33
46	Alkaline twin-screw extrusion fractionation of olive-tree pruning biomass. <i>Industrial Crops and Products</i> , 2015, 74, 336-341.	5.2	31
47	Study of process configuration and catalyst concentration in integrated alkaline extrusion of barley straw for bioethanol production. <i>Fuel</i> , 2014, 134, 448-454.	6.4	30
48	Sequential bioethanol and methane production from municipal solid waste: An integrated biorefinery strategy towards cost-effectiveness. <i>Chemical Engineering Research and Design</i> , 2021, 146, 424-431.	5.6	30
49	Biological conversion of forage sorghum biomass to ethanol by steam explosion pretreatment and simultaneous hydrolysis and fermentation at high solid content. <i>Biomass Conversion and Biorefinery</i> , 2012, 2, 123-132.	4.6	28
50	Xylooligosaccharides from steam-exploded barley straw: Structural features and assessment of bifidogenic properties. <i>Food and Bioproducts Processing</i> , 2020, 124, 131-142.	3.6	27
51	Production of xylooligosaccharides, bioethanol, and lignin from structural components of barley straw pretreated with a steam explosion. <i>Bioresource Technology</i> , 2021, 342, 125953.	9.6	23
52	Strategies of xylanase supplementation for an efficient saccharification and cofermentation process from pretreated wheat straw. <i>Biotechnology Progress</i> , 2011, 27, 944-950.	2.6	21
53	Enzymatic hydrolysis from carbohydrates of barley straw pretreated by ionic liquids. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 937-941.	3.2	20
54	Effect of nutrient addition on preinoculum growth of <i>S. cerevisiae</i> for application in SSF processes. <i>Biomass and Bioenergy</i> , 2012, 45, 168-174.	5.7	18

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55	Production of xylooligosaccharides and cellulosic ethanol from steam-exploded barley straw. <i>Holzforschung</i> , 2018, 73, 35-44.	1.9	18
56	The biorefinery concept for the industrial valorization of residues from olive oil industry. , 2017, , 57-78.		17
57	Pretreatment Technologies for Lignocellulosic Biomass Deconstruction Within a Biorefinery Perspective. , 2019, , 379-399.		16
58	Determination of the Lignocellulosic Components of Olive Tree Pruning Biomass by Near Infrared Spectroscopy. <i>Energies</i> , 2019, 12, 2497.	3.1	16
59	Sugars Production from Municipal Forestry and Greening Wastes Pretreated by an Integrated Steam Explosion-Based Process. <i>Energies</i> , 2020, 13, 4432.	3.1	15
60	Fractionation of <i>Cynara cardunculus</i> (cardoon) biomass by dilute-acid pretreatment. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 239-252.	2.9	14
61	Application of a microassay method to study enzymatic hydrolysis of pretreated wheat straw. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1291-1297.	3.2	14
62	Progress on Enzymatic Saccharification Technologies for Biofuels Production. , 2013, , 145-169.		11
63	Enzymatic hydrolysis of lignocellulosic biomass from <i>Onopordum nervosum</i> . <i>Biotechnology and Bioengineering</i> , 1988, 32, 341-344.	3.3	10
64	Valorization of Greenhouse Horticulture Waste from a Biorefinery Perspective. <i>Foods</i> , 2021, 10, 814.	4.3	10
65	Laboratory Composting Assays of the Solid Residue Resulting from the Flocculation of Oil Mill Wastewater With Different Lignocellulosic Residues. <i>Compost Science and Utilization</i> , 1996, 4, 62-71.	1.2	8
66	Overview of bio-based industries. , 2020, , 1-40.		6
67	Biorefineries for the valorization of food processing waste. , 2020, , 155-190.		6
68	Simultaneous saccharification and fermentation process for converting the cellulosic fraction of olive oil extraction residue into ethanol.. <i>Grasas Y Aceites</i> , 2002, 53, .	0.9	4
69	Evaluation and Identification of Key Economic Bottlenecks for Cost-Effective Microbial Oil Production from Fruit and Vegetable Residues. <i>Fermentation</i> , 2022, 8, 334.	3.0	3