Marcus V Tres

List of Publications by Year
in descending order

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111 papers	1,654 citations	279701 23 h-index	377752 34 g-index
112 all docs	112 docs citations	112 times ranked	1768 citing authors

#	Article	IF	Citations
1	Combined ultrasonic/subcritical water hydrolysis pretreatments for agricultural biomass. Environmental Technology (United Kingdom), 2023, 44, 2969-2982.	1.2	2
2	Microencapsulation of Brazilian Cherokee blackberry extract by freeze-drying using maltodextrin, gum Arabic, and pectin as carrier materials. Food Science and Technology International, 2023, 29, 255-265.	1.1	4
3	New Technologies for the Formulation of Secondary Metabolites Produced by Phoma sp. for Biological Control of Weeds. , 2022, , 259-274.		0
4	Opportunities and Challenges of Plant Bioactive Compounds for Food and Agricultural-Related Areas. Phyton, 2022, 91, 1105-1127.	0.4	1
5	Spray-Dried Powder Containing Chitinase and Î²-1,3-Glucanase with Insecticidal Activity against Ceratitis capitata (Diptera: Tephritidae). Processes, 2022, 10, 587.	1.3	3
6	Evaluation of ultrasound waves for the production of chitinase and Î²-1,3 glucanase by Trichoderma harzianum through SSF. 3 Biotech, 2022, 12, 122.	1.1	3
7	Adsorption of basic fuchsin using soybean straw hydrolyzed by subcritical water. Environmental Science and Pollution Research, 2022, 29, 68547-68554.	2.7	7
8	Kinetic and thermodynamic study of enzymatic hydroesterification mechanism to fatty acid methyl esters synthesis. Bioresource Technology, 2022, 356, 127335.	4.8	11
9	Potential of canola feedstocks for fermentable sugars production by subcritical water hydrolysis. Biomass and Bioenergy, 2022, 162, 106505.	2.9	5
10	Use of membranes for the treatment and reuse of water from the pre-cooling system of chicken carcasses. Environmental Technology (United Kingdom), 2021, 42, 126-133.	1.2	9
11	Subcritical water hydrolysis of soybean residues for obtaining fermentable sugars. Journal of Supercritical Fluids, 2021, 167, 105043.	1.6	35
12	Semi-continuous production of biodiesel on pilot scale via enzymatic hydroesterification of waste material: Process and economics considerations. Journal of Cleaner Production, 2021, 285, 124838.	4.6	33
13	Integration of Improved Methods for the Treatment of Wastewater from a Soft Drink Industry. Biointerface Research in Applied Chemistry, 2021, 11, 12946-12957.	1.0	10
14	Bioherbicidal potential of different species of Phoma: opportunities and challenges. Applied Microbiology and Biotechnology, 2021, 105, 3009-3018.	1.7	11
15	Production of biofuels from soybean straw and hull hydrolysates obtained by subcritical water hydrolysis. Bioresource Technology, 2021, 328, 124837.	4.8	37
16	Phoma dimorpha phytotoxic activity potentialization for bioherbicide production. Biocatalysis and Agricultural Biotechnology, 2021, 33, 101986.	1.5	6
17	Extraction of bioactive compounds from Senecio brasiliensis using emergent technologies. 3 Biotech, 2021, 11, 284.	1.1	3
18	Hydrothermal pretreatment of lignocellulosic biomass for hemicellulose recovery. Bioresource Technology, 2021, 342, 126033.	4.8	76

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19	Subcritical water hydrolysis of rice husks pretreated with deep eutectic solvent for enhance fermentable sugars production. Journal of Supercritical Fluids, 2021, 178, 105355.	1.6	21
20	Extraction and characterization of polysaccharide-enriched fractions from Phoma dimorpha mycelial biomass. Bioprocess and Biosystems Engineering, 2021, 44, 769-783.	1.7	9
21	Ionic Liquids: Applications in Food Science and Food Processing. , 2021, , 195-215.		0
22	Membrane Applications in the Dairy Industry. Biointerface Research in Applied Chemistry, 2021, 12, 5012-5020.	1.0	1
23	Concentration of exopolysaccharides produced by Fusarium fujikuroi and application of bioproduct as an effective bioherbicide. Environmental Technology (United Kingdom), 2020, 41, 2742-2749.	1.2	12
24	Lipases in liquid formulation for biodiesel production: Current status and challenges. Biotechnology and Applied Biochemistry, 2020, 67, 648-667.	1.4	58
25	Process development to obtain a cocktail containing cell-wall degrading enzymes with insecticidal activity from Beauveria bassiana. Biochemical Engineering Journal, 2020, 156, 107484.	1.8	5
26	Power the future with bioenergy from organic wastes. , 2020, , 85-114.		0
27	Separation of microbial oil produced by Mortierella isabellina using polymeric membranes. Bioprocess and Biosystems Engineering, 2020, 43, 1943-1949.	1.7	1
28	Gibberellic acid production from Gibberella fujikuroi using agro-industrial residues. Biocatalysis and Agricultural Biotechnology, 2020, 25, 101608.	1.5	14
29	Optimization of subcritical water hydrolysis of pecan wastes biomasses in a semi-continuous mode. Bioresource Technology, 2020, 306, 123129.	4.8	23
30	Development of a Solid Bioherbicide Formulation by Spray Drying Technology. Agriculture (Switzerland), 2020, 10, 215.	1.4	4
31	Potential applications of pecan residual biomasses: a review. Biointerface Research in Applied Chemistry, 2020, 10, 5524-5531.	1.0	4
32	Addition of hydrogen peroxide in electrocoagulation of dairy liquids. Biointerface Research in Applied Chemistry, 2020, 10, 5978-5985.	1.0	1
33	Impact of MWCO and Dopamine/Polyethyleneimine Concentrations on Surface Properties and Filtration Performance of Modified Membranes. Membranes, 2020, 10, 239.	1.4	13
34	Efeito de metabÃ³litos secundÃ¡rios produzidos por Phoma dimorpha sobre a germinaÃ§Ã£o e crescimento de sementes de diferentes espÃ©cies vegetais. Acta Iguazu, 2020, 9, 109-121.	0.2	1
35	Association of Adjuvants with Culture Filtrate from Fusarium fujikuroi for Increasing the Control of Conyza sp.. Biointerface Research in Applied Chemistry, 2020, 10, 6481-6487.	1.0	2
36	USO DE MEMBRANA DE MICROFILTRAÃ‡ÃƒO SEGUIDA DE ULTRAFILTRAÃ‡ÃƒO NO TRATAMENTO DE EFLUENTE LÃQUIDO DE INDÃšSTRIA DE SORO DE LEITE. Brazilian Journal of Development, 2020, 6, 55886-55893.	0.0	0

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37	USO DE MEMBRANA DE MICROFILTRAÃ‡ÃƒO SEGUIDA DE ULTRAFILTRAÃ‡ÃƒO NO TRATAMENTO DE EFLUENTE LÃQUIDO DE INDÃšSTRIA DE SORO DE LEITE / USE OF MICROFILTRATION MEMBRANE FOLLOWED BY ULTRAFILTRATION IN THE TREATMENT OF LIQUID EFFLUENT FROM THE WHEY INDUSTRY. Brazilian Journal of Development, 2020, 6, 65641-65648.	0.0	0
38	Chemistry of Ionic Liquid, Switchable Solvents, Supercritical Carbon Dioxide and Sub/Supercritical Water. Nanotechnology in the Life Sciences, 2020, , 165-198.	0.4	3
39	USO DE MEMBRANA DE MICROFILTRAÃ‡ÃƒO SEGUIDA DE ULTRAFILTRAÃ‡ÃƒO NO TRATAMENTO DE EFLUENTE LÃQUIDO DE INDÃšSTRIA DE SORO DE LEITE. Brazilian Journal of Development, 2020, 6, 54882-54889.	0.0	1
40	Influence of potassium on the quality of grains and seeds of flooded rice. Acta Iguazu, 2020, 9, 37-42.	0.2	0
41	Improving the soluble lipaseâ€“catalyzed biodiesel production through a two-step hydroesterification reaction system. Applied Microbiology and Biotechnology, 2019, 103, 7805-7817.	1.7	23
42	Supercritical CO2 extraction of compounds from different aerial parts of Senecio brasiliensis: Mathematical modeling and effects of parameters on extract quality. Journal of Supercritical Fluids, 2019, 153, 104589.	1.6	15
43	A new approach for salts removal from crude glycerin coming from industrial biodiesel production unit. Journal of Environmental Chemical Engineering, 2019, 7, 102883.	3.3	13
44	Production of cell-wall degrading enzymes by solid-state fermentation using agroindustrial residues as substrates. Journal of Environmental Chemical Engineering, 2019, 7, 103193.	3.3	35
45	Subcritical Hydrolysis Contribution in the Holistic Biorefinery Concept: Obtaining Bioproducts and Biofuels From Renewable Natural Resources for a Novel Bioeconomy. , 2019, , 35-57.		3
46	Oil yields, protein contents, and cost of manufacturing of oil obtained from different hybrids and sowing dates of canola. Journal of Environmental Chemical Engineering, 2019, 7, 102972.	3.3	18
47	Adsorption of 2â€“nitrophenol using rice straw and rice husks hydrolyzed by subcritical water. Bioresource Technology, 2019, 284, 25-35.	4.8	32
48	Enzyme-Catalyzed Production of FAME by Hydroesterification of Soybean Oil Using the Novel Soluble Lipase NS 40116. Applied Biochemistry and Biotechnology, 2019, 188, 914-926.	1.4	22
49	Microfiltration for Filtration and Pasteurization of Beers. , 2019, , 405-434.		4
50	Subcritical water hydrolysis of rice straw in a semi-continuous mode. Journal of Cleaner Production, 2019, 209, 386-397.	4.6	54
51	Feeding strategies of methanol and lipase on eversaÂ® transformâ€mediated hydroesterification for FAME production. Canadian Journal of Chemical Engineering, 2019, 97, 1332-1339.	0.9	23
52	Obtaining fermentable sugars and bioproducts from rice husks by subcritical water hydrolysis in a semi-continuous mode. Bioresource Technology, 2019, 272, 510-520.	4.8	61
53	Reasons for processing of rice coproducts: Reality and expectations. Biomass and Bioenergy, 2019, 120, 240-256.	2.9	56
54	Extracts from Lupinus albescens: antioxidant power and antifungal activity in vitro against phytopathogenic fungi. Environmental Technology (United Kingdom), 2019, 40, 1668-1675.	1.2	12

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55	Concentration of metabolites from Phoma sp. using microfiltration membrane for increasing bioherbicidal activity. Environmental Technology (United Kingdom), 2019, 40, 2364-2372.	1.2	13
56	VALORIZATION OF Solanum viarum DUNAL BY EXTRACTING BIOACTIVE COMPOUNDS FROM ROOTS AND FRUITS USING ULTRASOUND AND SUPERCRITICAL CO2. Brazilian Journal of Chemical Engineering, 2019, 36, 1689-1702.	0.7	3
57	RESISTÃŠNCIA DE PLANTAS DANINHAS A HERBICIDAS E ALTERNATIVAS DE CONTROLE: UMA REVISÃƒO. Revista Cientifica Rural, 2019, 21, 194-212.	0.1	1
58	AvaliaÃ§Ã£o de diferentes mÃ©todos de preservaÃ§Ã£o do fungo Phoma Dimorpha. Colloquium Agrariae, 2019, 15, 01-10.	0.1	2
59	Production of biodiesel catalyzed by lipase from Thermomyces lanuginosus in its soluble form. Canadian Journal of Chemical Engineering, 2018, 96, 2361-2368.	0.9	45
60	Fusarium fujikuroi : A novel source of metabolites with herbicidal activity. Biocatalysis and Agricultural Biotechnology, 2018, 14, 314-320.	1.5	32
61	Activation of Candida antarctica lipase B in pressurized fluids for the synthesis of esters. Journal of Chemical Technology and Biotechnology, 2018, 93, 897-908.	1.6	12
62	Soluble lipase-catalyzed synthesis of methyl esters using a blend of edible and nonedible raw materials. Bioprocess and Biosystems Engineering, 2018, 41, 1185-1193.	1.7	23
63	Polyunsaturated Ï‰-3 and Ï‰-6 fatty acids, total carotenoids and antioxidant activity of three marine microalgae extracts obtained by supercritical CO2 and subcritical n-butane. Journal of Supercritical Fluids, 2018, 133, 437-443.	1.6	62
64	Importance of Lupinus albescens in agricultural and food-related areas: A review. 3 Biotech, 2018, 8, 448.	1.1	4
65	Formulation of chicken sausages with broiler blood proteins and dye. Journal of Food Science and Technology, 2018, 55, 4694-4699.	1.4	4
66	Synthesis of isoamyl acetate by ultrasonic system using Candida antarctica lipase B immobilized in polyurethane. Journal of Food Process Engineering, 2018, 41, e12812.	1.5	10
67	Chemical Composition and Antibacterial Activity of Bergamot Peel Oil from Supercritical CO2 and Compressed Propane Extraction. The Open Food Science Journal, 2018, 10, 16-23.	1.0	7
68	Yield, composition, and antioxidant activity of avocado pulp oil extracted by pressurized fluids. Food and Bioproducts Processing, 2017, 102, 289-298.	1.8	48
69	Desolventizing of Jatropha curcas oil from azeotropes of solvents using ceramic membranes. Environmental Technology (United Kingdom), 2017, 38, 2928-2938.	1.2	8
70	Extraction and composition of extracts obtained from Lupinus albescens using supercritical carbon dioxide and compressed liquefied petroleum gas. Journal of Supercritical Fluids, 2017, 128, 395-403.	1.6	23
71	Extraction, chemical characterization and antioxidant activity of Litchi chinensis Sonn. and Avena sativa L. seeds extracts obtained from pressurized n-butane. Journal of Food Science and Technology, 2017, 54, 846-851.	1.4	12
72	Successive membrane separation processes simplify concentration of lipases produced by Aspergillus niger by solid-state fermentation. Bioprocess and Biosystems Engineering, 2017, 40, 843-855.	1.7	5

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73	Phytochemical profile, antioxidant and antimicrobial activity of extracts obtained from erva-mate (Ilex paraguariensis) fruit using compressed propane and supercritical CO2. Journal of Food Science and Technology, 2017, 54, 98-104.	1.4	24
74	Fatty acid profile of pecan nut oils obtained from pressurized n-butane and cold pressing compared with commercial oils. Journal of Food Science and Technology, 2017, 54, 3366-3369.	1.4	10
75	Dairy wastewater treatment using integrated membrane systems. Journal of Environmental Chemical Engineering, 2017, 5, 4819-4827.	3.3	59
76	Liquefied petroleum gas as solvent medium for the treatment of immobilized pectinases. Biocatalysis and Agricultural Biotechnology, 2017, 11, 108-115.	1.5	3
77	Desolventizing of soybean oil/azeotrope mixtures using ceramic membranes. Environmental Technology (United Kingdom), 2017, 38, 1969-1979.	1.2	5
78	Process intensification for producing powdered extracts rich in bioactive compounds: An economic approach. Journal of Supercritical Fluids, 2017, 119, 261-273.	1.6	22
79	Cellulases for Food Applications. , 2016, , 201-208.		2
80	Supercritical CO 2 extraction of black poplar (Populus nigra L.) extract: Experimental data and fitting of kinetic parameters. Journal of Supercritical Fluids, 2016, 117, 270-278.	1.6	25
81	Chemical composition, antioxidant and antimicrobial activity of guavirova (Campomanesia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Supercritical Fluids, 2016, 110, 32-38.	1.6	30
82	Enzymatic hydrolysis of non-treated sugarcane bagasse using pressurized liquefied petroleum gas with and without ultrasound assistance. Renewable Energy, 2015, 83, 674-679.	4.3	15
83	Extraction, chemical characterization and antioxidant activity of andiroba seeds oil obtained from pressurized n-butane. Industrial Crops and Products, 2015, 76, 697-701.	2.5	40
84	Phase equilibrium data for ternary (carbon dioxide + dichloromethane + eugenol) and quaternary systems (carbon dioxide + dichloromethane + eugenol + poly-Îµ-caprolactone). Journal of Chemical Thermodynamics, 2015, 91, 336-345.	1.0	8
85	Separation of soybean oil from liquefied nâ€butane and liquefied petroleum gas by membrane separation process. Canadian Journal of Chemical Engineering, 2015, 93, 96-101.	0.9	8
86	Desolventizing organic solvent-soybean oil miscella using ultrafiltration ceramic membranes. Journal of Membrane Science, 2015, 475, 357-366.	4.1	18
87	Addendum to issue 1 - ENZITEC 2012Influence of ultrasound and compressed liquefied petroleum gas on xylanase activity. Biocatalysis and Biotransformation, 2014, 32, 109-116.	1.1	5
88	Separation of soybean oil/n-hexane and soybean oil/n-butane mixtures using ceramic membranes. Food Research International, 2014, 63, 33-41.	2.9	19
89	Phase behaviour of pseudo-binary systems of pressurized ((propane+l,l-lactide)) at different ethanol to l,l-lactide mole ratios. Journal of Chemical Thermodynamics, 2014, 78, 120-127.	1.0	9
90	Solvent recovery from soybean oil/n-butane mixtures using a hollow fiber ultrafiltration membrane. Brazilian Journal of Chemical Engineering, 2014, 31, 243-249.	0.7	12

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91	Effect of magnetic field on the ultrafiltration of bovine serum albumin. Bioprocess and Biosystems Engineering, 2013, 36, 1087-1093.	1.7	12
92	Treatment with compressed liquefied petroleum gas and ultrasound to improve cellulase activity. Biocatalysis and Agricultural Biotechnology, 2013, 2, 102-107.	1.5	14
93	Supercritical CO2 extraction, chemical characterisation and antioxidant potential of Brassica oleracea var capitata against HO, <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" Food Chemistry, 2013, 141, 3954-3959.	4.2	16
94	Fructooligosaccharides production in aqueous medium with inulinase from Aspergillus niger and Kluyveromyces marxianus NRRL Y-7571 immobilized and treated in pressurized CO2. Food and Bioproducts Processing, 2013, 91, 647-655.	1.8	4
95	Kinetics of pure propane and nâ€butane desorption from soybean oil. Canadian Journal of Chemical Engineering, 2013, 91, 1945-1949.	0.9	3
96	Solvent recovery from soybean oil/n-hexane mixtures using hollow fiber membrane. Brazilian Journal of Chemical Engineering, 2012, 29, 577-584.	0.7	13
97	Analysis of volatile compounds of Ilex paraguariensis A. St. - Hil. and its main adulterating species Ilex theizans Mart. ex Reissek and Ilex dumosa Reissek. Ciencia E Agrotecnologia, 2011, 35, 1166-1171.	1.5	3
98	Characterization of polymeric membranes used in vegetable oil/organic solvents separation. Journal of Membrane Science, 2010, 362, 495-500.	4.1	36
99	Separation of n-butane from soybean oil mixtures using membrane processes. Journal of Membrane Science, 2009, 333, 141-146.	4.1	42
100	Low-pressure solubility of propane and n-butane in refined soybean oil. Journal of Chemical Thermodynamics, 2009, 41, 1378-1381.	1.0	12
101	Phase behavior and process parameters effects on the characteristics of precipitated theophylline using carbon dioxide as antisolvent. Journal of Supercritical Fluids, 2008, 44, 8-20.	1.6	38
102	InfluÃªncia da temperatura na solubilidade de beta-caroteno em solventes orgÃ¢nicos Ã pressÃ£o ambiente. Food Science and Technology, 2007, 27, 737-743.	0.8	22
103	Bioherbicidal action of Phoma dimorpha fermented broth on seeds and plants of Senna obtusifolia 1. Pesquisa Agropecuaria Tropical, 0, 50, .	1.0	10
104	SEPARAÃ‡ÃƒO E CONCENTRAÃ‡ÃƒO DE LIPASES DE Aspergillus niger POR MICROFILTRAÃ‡ÃƒO E ULTRAFILTRAÃ‡ÃƒO. , 0, , .		0
105	MODELAGEM TERMODINÃ‚MICA PARA O SISTEMA TERNÃRIO COMPOSTO DE EUGENOL + DIÃ“XIDO DE CARBONO + DICLOROMETANO. , 0, , .		0
106	COMPARAÃ‡ÃƒO DE MÃ‰TODOS PARA DETERMINAÃ‡ÃƒO DA ATIVIDADE DE HIDRÃ“LISE DE LIPASES MICROBIANAS. , 0, , .		0
107	EQUILÃBRIO TERMODINÃ‚MICO EM ALTAS PRESSÃ•ES PARA O SISTEMA TERNÃRIO CONTENDO EUGENOL + DIÃ“XIDO DE CARBONO + DICLOROMETANO. , 0, , .		0
108	Montagem, testes operacionais e validaÃ§Ã£o de uma unidade laboratorial para extraÃ§Ã£o de compostos de matrizes vegetais utilizando fluidos pressurizados ou supercrÃticos como solventes. CiÃªncia E Natura, 0, 42, e22.	0.0	0

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109	Thermal hydrolysis of olive leaves and stems to obtain fermentable sugars. Revista Engenharia Na Agricultura - REVENG, 0, 29, 325-334.	0.2	0
110	Potential of Canola Feedstocks for Fermentable Sugars Production by Subcritical Water Hydrolysis. SSRN Electronic Journal, 0, , .	0.4	0
111	Reference crop evapotranspiration in distinct agricultural regions of Southern Brazil: a comparison of improved empirical models. Revista Engenharia Na Agricultura - REVENG, 0, 29, .	0.2	0