

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
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112
all docs

112
docs citations

112
times ranked

1768
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal pretreatment of lignocellulosic biomass for hemicellulose recovery. <i>Bioresource Technology</i> , 2021, 342, 126033.	4.8	76
2	Polyunsaturated ω -3 and ω -6 fatty acids, total carotenoids and antioxidant activity of three marine microalgae extracts obtained by supercritical CO ₂ and subcritical n-butane. <i>Journal of Supercritical Fluids</i> , 2018, 133, 437-443.	1.6	62
3	Obtaining fermentable sugars and bioproducts from rice husks by subcritical water hydrolysis in a semi-continuous mode. <i>Bioresource Technology</i> , 2019, 272, 510-520.	4.8	61
4	Dairy wastewater treatment using integrated membrane systems. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4819-4827.	3.3	59
5	Lipases in liquid formulation for biodiesel production: Current status and challenges. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 648-667.	1.4	58
6	Reasons for processing of rice coproducts: Reality and expectations. <i>Biomass and Bioenergy</i> , 2019, 120, 240-256.	2.9	56
7	Subcritical water hydrolysis of rice straw in a semi-continuous mode. <i>Journal of Cleaner Production</i> , 2019, 209, 386-397.	4.6	54
8	Yield, composition, and antioxidant activity of avocado pulp oil extracted by pressurized fluids. <i>Food and Bioproducts Processing</i> , 2017, 102, 289-298.	1.8	48
9	Production of biodiesel catalyzed by lipase from <i>Thermomyces lanuginosus</i> in its soluble form. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2361-2368.	0.9	45
10	Separation of n-butane from soybean oil mixtures using membrane processes. <i>Journal of Membrane Science</i> , 2009, 333, 141-146.	4.1	42
11	Extraction, chemical characterization and antioxidant activity of andiroba seeds oil obtained from pressurized n-butane. <i>Industrial Crops and Products</i> , 2015, 76, 697-701.	2.5	40
12	Phase behavior and process parameters effects on the characteristics of precipitated theophylline using carbon dioxide as antisolvent. <i>Journal of Supercritical Fluids</i> , 2008, 44, 8-20.	1.6	38
13	Production of biofuels from soybean straw and hull hydrolysates obtained by subcritical water hydrolysis. <i>Bioresource Technology</i> , 2021, 328, 124837.	4.8	37
14	Characterization of polymeric membranes used in vegetable oil/organic solvents separation. <i>Journal of Membrane Science</i> , 2010, 362, 495-500.	4.1	36
15	Production of cell-wall degrading enzymes by solid-state fermentation using agroindustrial residues as substrates. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103193.	3.3	35
16	Subcritical water hydrolysis of soybean residues for obtaining fermentable sugars. <i>Journal of Supercritical Fluids</i> , 2021, 167, 105043.	1.6	35
17	Semi-continuous production of biodiesel on pilot scale via enzymatic hydroesterification of waste material: Process and economics considerations. <i>Journal of Cleaner Production</i> , 2021, 285, 124838.	4.6	33
18	<i>Fusarium fujikuroi</i> : A novel source of metabolites with herbicidal activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 14, 314-320.	1.5	32

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19	Adsorption of 2-nitrophenol using rice straw and rice husks hydrolyzed by subcritical water. <i>Bioresource Technology</i> , 2019, 284, 25-35.	4.8	32
20	Chemical composition, antioxidant and antimicrobial activity of guavirova (Campomanesia Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 T Supercritical Fluids, 2016, 110, 32-38.	1.6	30
21	Supercritical CO ₂ extraction of black poplar (<i>Populus nigra</i> L.) extract: Experimental data and fitting of kinetic parameters. <i>Journal of Supercritical Fluids</i> , 2016, 117, 270-278.	1.6	25
22	Phytochemical profile, antioxidant and antimicrobial activity of extracts obtained from erva-mate (<i>Ilex paraguariensis</i>) fruit using compressed propane and supercritical CO ₂ . <i>Journal of Food Science and Technology</i> , 2017, 54, 98-104.	1.4	24
23	Extraction and composition of extracts obtained from <i>Lupinus albus</i> using supercritical carbon dioxide and compressed liquefied petroleum gas. <i>Journal of Supercritical Fluids</i> , 2017, 128, 395-403.	1.6	23
24	Soluble lipase-catalyzed synthesis of methyl esters using a blend of edible and nonedible raw materials. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1185-1193.	1.7	23
25	Improving the soluble lipase-catalyzed biodiesel production through a two-step hydroesterification reaction system. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7805-7817.	1.7	23
26	Feeding strategies of methanol and lipase on eversa [®] transform [®] -mediated hydroesterification for FAME production. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1332-1339.	0.9	23
27	Optimization of subcritical water hydrolysis of pecan wastes biomasses in a semi-continuous mode. <i>Bioresource Technology</i> , 2020, 306, 123129.	4.8	23
28	Influência da temperatura na solubilidade de beta-caroteno em solventes orgânicos à pressão ambiente. <i>Food Science and Technology</i> , 2007, 27, 737-743.	0.8	22
29	Process intensification for producing powdered extracts rich in bioactive compounds: An economic approach. <i>Journal of Supercritical Fluids</i> , 2017, 119, 261-273.	1.6	22
30	Enzyme-Catalyzed Production of FAME by Hydroesterification of Soybean Oil Using the Novel Soluble Lipase NS 40116. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 914-926.	1.4	22
31	Subcritical water hydrolysis of rice husks pretreated with deep eutectic solvent for enhance fermentable sugars production. <i>Journal of Supercritical Fluids</i> , 2021, 178, 105355.	1.6	21
32	Separation of soybean oil/n-hexane and soybean oil/n-butane mixtures using ceramic membranes. <i>Food Research International</i> , 2014, 63, 33-41.	2.9	19
33	Desolventizing organic solvent-soybean oil miscella using ultrafiltration ceramic membranes. <i>Journal of Membrane Science</i> , 2015, 475, 357-366.	4.1	18
34	Oil yields, protein contents, and cost of manufacturing of oil obtained from different hybrids and sowing dates of canola. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102972.	3.3	18
35	Supercritical CO ₂ extraction, chemical characterisation and antioxidant potential of <i>Brassica oleracea</i> var <i>capitata</i> against HO ₂ ·. <i>Food Chemistry</i> , 2013, 141, 3954-3959.	4.2	16
36	Enzymatic hydrolysis of non-treated sugarcane bagasse using pressurized liquefied petroleum gas with and without ultrasound assistance. <i>Renewable Energy</i> , 2015, 83, 674-679.	4.3	15

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37	Supercritical CO ₂ extraction of compounds from different aerial parts of <i>Senecio brasiliensis</i> : Mathematical modeling and effects of parameters on extract quality. <i>Journal of Supercritical Fluids</i> , 2019, 153, 104589.	1.6	15
38	Treatment with compressed liquefied petroleum gas and ultrasound to improve cellulase activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2013, 2, 102-107.	1.5	14
39	Gibberellic acid production from <i>Gibberella fujikuroi</i> using agro-industrial residues. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 25, 101608.	1.5	14
40	Solvent recovery from soybean oil/n-hexane mixtures using hollow fiber membrane. <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 577-584.	0.7	13
41	A new approach for salts removal from crude glycerin coming from industrial biodiesel production unit. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102883.	3.3	13
42	Concentration of metabolites from <i>Phoma</i> sp. using microfiltration membrane for increasing bioherbicidal activity. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2364-2372.	1.2	13
43	Impact of MWCO and Dopamine/Polyethyleneimine Concentrations on Surface Properties and Filtration Performance of Modified Membranes. <i>Membranes</i> , 2020, 10, 239.	1.4	13
44	Low-pressure solubility of propane and n-butane in refined soybean oil. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 1378-1381.	1.0	12
45	Effect of magnetic field on the ultrafiltration of bovine serum albumin. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1087-1093.	1.7	12
46	Extraction, chemical characterization and antioxidant activity of <i>Litchi chinensis</i> Sonn. and <i>Avena sativa</i> L. seeds extracts obtained from pressurized n-butane. <i>Journal of Food Science and Technology</i> , 2017, 54, 846-851.	1.4	12
47	Activation of <i>Candida antarctica</i> lipase B in pressurized fluids for the synthesis of esters. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 897-908.	1.6	12
48	Extracts from <i>Lupinus albus</i> : antioxidant power and antifungal activity in vitro against phytopathogenic fungi. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1668-1675.	1.2	12
49	Concentration of exopolysaccharides produced by <i>Fusarium fujikuroi</i> and application of bioproduct as an effective bioherbicide. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2742-2749.	1.2	12
50	Solvent recovery from soybean oil/n-butane mixtures using a hollow fiber ultrafiltration membrane. <i>Brazilian Journal of Chemical Engineering</i> , 2014, 31, 243-249.	0.7	12
51	Bioherbicidal potential of different species of <i>Phoma</i> : opportunities and challenges. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3009-3018.	1.7	11
52	Kinetic and thermodynamic study of enzymatic hydroesterification mechanism to fatty acid methyl esters synthesis. <i>Bioresource Technology</i> , 2022, 356, 127335.	4.8	11
53	Fatty acid profile of pecan nut oils obtained from pressurized n-butane and cold pressing compared with commercial oils. <i>Journal of Food Science and Technology</i> , 2017, 54, 3366-3369.	1.4	10
54	Synthesis of isoamyl acetate by ultrasonic system using <i>Candida antarctica</i> lipase B immobilized in polyurethane. <i>Journal of Food Process Engineering</i> , 2018, 41, e12812.	1.5	10

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55	Integration of Improved Methods for the Treatment of Wastewater from a Soft Drink Industry. <i>Biointerface Research in Applied Chemistry</i> , 2021, 11, 12946-12957.	1.0	10
56	Bioherbicidal action of <i>Phoma dimorpha</i> fermented broth on seeds and plants of <i>Senna obtusifolia</i> L. <i>Pesquisa Agropecuaria Tropical</i> , 0, 50, .	1.0	10
57	Phase behaviour of pseudo-binary systems of pressurized ((propane+l,l-lactide)) at different ethanol to l,l-lactide mole ratios. <i>Journal of Chemical Thermodynamics</i> , 2014, 78, 120-127.	1.0	9
58	Use of membranes for the treatment and reuse of water from the pre-cooling system of chicken carcasses. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 126-133.	1.2	9
59	Extraction and characterization of polysaccharide-enriched fractions from <i>Phoma dimorpha</i> mycelial biomass. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 769-783.	1.7	9
60	Phase equilibrium data for ternary (carbon dioxide + dichloromethane + eugenol) and quaternary systems (carbon dioxide + dichloromethane + eugenol + poly- μ -caprolactone). <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 336-345.	1.0	8
61	Separation of soybean oil from liquefied n-butane and liquefied petroleum gas by membrane separation process. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 96-101.	0.9	8
62	Desolventizing of <i>Jatropha curcas</i> oil from azeotropes of solvents using ceramic membranes. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2928-2938.	1.2	8
63	Chemical Composition and Antibacterial Activity of Bergamot Peel Oil from Supercritical CO ₂ and Compressed Propane Extraction. <i>The Open Food Science Journal</i> , 2018, 10, 16-23.	1.0	7
64	Adsorption of basic fuchsin using soybean straw hydrolyzed by subcritical water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 68547-68554.	2.7	7
65	<i>Phoma dimorpha</i> phytotoxic activity potentialization for bioherbicide production. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 33, 101986.	1.5	6
66	Addendum to issue 1 - ENZITEC 2012 Influence of ultrasound and compressed liquefied petroleum gas on xylanase activity. <i>Biocatalysis and Biotransformation</i> , 2014, 32, 109-116.	1.1	5
67	Successive membrane separation processes simplify concentration of lipases produced by <i>Aspergillus niger</i> by solid-state fermentation. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 843-855.	1.7	5
68	Desolventizing of soybean oil/azeotrope mixtures using ceramic membranes. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1969-1979.	1.2	5
69	Process development to obtain a cocktail containing cell-wall degrading enzymes with insecticidal activity from <i>Beauveria bassiana</i> . <i>Biochemical Engineering Journal</i> , 2020, 156, 107484.	1.8	5
70	Potential of canola feedstocks for fermentable sugars production by subcritical water hydrolysis. <i>Biomass and Bioenergy</i> , 2022, 162, 106505.	2.9	5
71	Fructooligosaccharides production in aqueous medium with inulinase from <i>Aspergillus niger</i> and <i>Kluyveromyces marxianus</i> NRRL Y-7571 immobilized and treated in pressurized CO ₂ . <i>Food and Bioproducts Processing</i> , 2013, 91, 647-655.	1.8	4
72	Importance of <i>Lupinus albus</i> in agricultural and food-related areas: A review. <i>3 Biotech</i> , 2018, 8, 448.	1.1	4

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73	Formulation of chicken sausages with broiler blood proteins and dye. <i>Journal of Food Science and Technology</i> , 2018, 55, 4694-4699.	1.4	4
74	Microfiltration for Filtration and Pasteurization of Beers. , 2019, , 405-434.		4
75	Development of a Solid Bioherbicide Formulation by Spray Drying Technology. <i>Agriculture (Switzerland)</i> , 2020, 10, 215.	1.4	4
76	Potential applications of pecan residual biomasses: a review. <i>Biointerface Research in Applied Chemistry</i> , 2020, 10, 5524-5531.	1.0	4
77	Microencapsulation of Brazilian Cherokee blackberry extract by freeze-drying using maltodextrin, gum Arabic, and pectin as carrier materials. <i>Food Science and Technology International</i> , 2023, 29, 255-265.	1.1	4
78	Analysis of volatile compounds of <i>Ilex paraguariensis</i> A. St. - Hil. and its main adulterating species <i>Ilex theizans</i> Mart. ex Reissek and <i>Ilex dumosa</i> Reissek. <i>Ciencia E Agrotecnologia</i> , 2011, 35, 1166-1171.	1.5	3
79	Kinetics of pure propane and <i>n</i> -butane desorption from soybean oil. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 1945-1949.	0.9	3
80	Liquefied petroleum gas as solvent medium for the treatment of immobilized pectinases. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017, 11, 108-115.	1.5	3
81	Subcritical Hydrolysis Contribution in the Holistic Biorefinery Concept: Obtaining Bioproducts and Biofuels From Renewable Natural Resources for a Novel Bioeconomy. , 2019, , 35-57.		3
82	Extraction of bioactive compounds from <i>Senecio brasiliensis</i> using emergent technologies. <i>3 Biotech</i> , 2021, 11, 284.	1.1	3
83	VALORIZATION OF <i>Solanum viarum</i> DUNAL BY EXTRACTING BIOACTIVE COMPOUNDS FROM ROOTS AND FRUITS USING ULTRASOUND AND SUPERCRITICAL CO ₂ . <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 1689-1702.	0.7	3
84	Chemistry of Ionic Liquid, Switchable Solvents, Supercritical Carbon Dioxide and Sub/Supercritical Water. <i>Nanotechnology in the Life Sciences</i> , 2020, , 165-198.	0.4	3
85	Spray-Dried Powder Containing Chitinase and β -1,3-Glucanase with Insecticidal Activity against <i>Ceratitis capitata</i> (Diptera: Tephritidae). <i>Processes</i> , 2022, 10, 587.	1.3	3
86	Evaluation of ultrasound waves for the production of chitinase and β -1,3 glucanase by <i>Trichoderma harzianum</i> through SSF. <i>3 Biotech</i> , 2022, 12, 122.	1.1	3
87	Cellulases for Food Applications. , 2016, , 201-208.		2
88	AvaliaÃ§Ã£o de diferentes mÃ©todos de preservaÃ§Ã£o do fungo <i>Phoma Dimorpha</i> . <i>Colloquium Agrariae</i> , 2019, 15, 01-10.	0.1	2
89	Association of Adjuvants with Culture Filtrate from <i>Fusarium fujikuroi</i> for Increasing the Control of <i>Conyza</i> sp.. <i>Biointerface Research in Applied Chemistry</i> , 2020, 10, 6481-6487.	1.0	2
90	Combined ultrasonic/subcritical water hydrolysis pretreatments for agricultural biomass. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 2969-2982.	1.2	2

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91	Separation of microbial oil produced by <i>Mortierella isabellina</i> using polymeric membranes. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1943-1949.	1.7	1
92	RESISTÊNCIA DE PLANTAS DANINHAS A HERBICIDAS E ALTERNATIVAS DE CONTROLE: UMA REVISÃO. <i>Revista Científica Rural</i> , 2019, 21, 194-212.	0.1	1
93	Addition of hydrogen peroxide in electrocoagulation of dairy liquids. <i>Biointerface Research in Applied Chemistry</i> , 2020, 10, 5978-5985.	1.0	1
94	Efeito de metabólitos secundários produzidos por <i>Phoma dimorpha</i> sobre a germinação e crescimento de sementes de diferentes espécies vegetais. <i>Acta Iguazu</i> , 2020, 9, 109-121.	0.2	1
95	USO DE MEMBRANA DE MICROFILTRAÇÃO SEGUIDA DE ULTRAFILTRAÇÃO NO TRATAMENTO DE EFLUENTE LÁQUIDO DE INDÚSTRIA DE SORO DE LEITE. <i>Brazilian Journal of Development</i> , 2020, 6, 54882-54889.	0.0	1
96	Membrane Applications in the Dairy Industry. <i>Biointerface Research in Applied Chemistry</i> , 2021, 12, 5012-5020.	1.0	1
97	Opportunities and Challenges of Plant Bioactive Compounds for Food and Agricultural-Related Areas. <i>Phyton</i> , 2022, 91, 1105-1127.	0.4	1
98	Power the future with bioenergy from organic wastes. , 2020, , 85-114.		0
99	Ionic Liquids: Applications in Food Science and Food Processing. , 2021, , 195-215.		0
100	SEPARAÇÃO E CONCENTRAÇÃO DE LIPASES DE <i>Aspergillus niger</i> POR MICROFILTRAÇÃO E ULTRAFILTRAÇÃO. , 0, , .		0
101	MODELAGEM TERMODINÂMICA PARA O SISTEMA TERNÁRIO COMPOSTO DE EUGENOL + DIÓXIDO DE CARBONO + DICLOROMETANO. , 0, , .		0
102	COMPARAÇÃO DE MÉTODOS PARA DETERMINAÇÃO DA ATIVIDADE DE HIDRÁLISE DE LIPASES MICROBIANAS. , 0, , .		0
103	EQUILÍBRIO TERMODINÂMICO EM ALTAS PRESSÕES PARA O SISTEMA TERNÁRIO CONTENDO EUGENOL + DIÓXIDO DE CARBONO + DICLOROMETANO. , 0, , .		0
104	Montagem, testes operacionais e validação de uma unidade laboratorial para extração de compostos de matrizes vegetais utilizando fluidos pressurizados ou supercríticos como solventes. <i>Ciência E Natura</i> , 0, 42, e22.	0.0	0
105	USO DE MEMBRANA DE MICROFILTRAÇÃO SEGUIDA DE ULTRAFILTRAÇÃO NO TRATAMENTO DE EFLUENTE LÁQUIDO DE INDÚSTRIA DE SORO DE LEITE. <i>Brazilian Journal of Development</i> , 2020, 6, 55886-55893.	0.0	0
106	USO DE MEMBRANA DE MICROFILTRAÇÃO SEGUIDA DE ULTRAFILTRAÇÃO NO TRATAMENTO DE EFLUENTE LÁQUIDO DE INDÚSTRIA DE SORO DE LEITE / USE OF MICROFILTRATION MEMBRANE FOLLOWED BY ULTRAFILTRATION IN THE TREATMENT OF LIQUID EFFLUENT FROM THE WHEY INDUSTRY. <i>Brazilian Journal of Development</i> , 2020, 6, 65641-65648.	0.0	0
107	Thermal hydrolysis of olive leaves and stems to obtain fermentable sugars. <i>Revista Engenharia Na Agricultura - REVENG</i> , 0, 29, 325-334.	0.2	0
108	New Technologies for the Formulation of Secondary Metabolites Produced by <i>Phoma</i> sp. for Biological Control of Weeds. , 2022, , 259-274.		0

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109	Influence of potassium on the quality of grains and seeds of flooded rice. Acta Iguazu, 2020, 9, 37-42.	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