

Rosa MarÃ-a Oliart-Ros

List of Publications by Year in descending order

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45
papers

1,262
citations

516215

16
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360668

35
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46
docs citations

46
times ranked

1866
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant activity, phenolic compounds and anthocyanins content of eighteen strains of Mexican maize. <i>LWT - Food Science and Technology</i> , 2009, 42, 1187-1192.	2.5	245
2	Screening, purification and characterization of the thermoalkalophilic lipase produced by <i>Bacillus thermoleovorans</i> CCR11. <i>Enzyme and Microbial Technology</i> , 2005, 37, 648-654.	1.6	186
3	Reclassification of <i>Geobacillus pallidus</i> (Scholz et al. 1988) Banat et al. 2004 as <i>Aeribacillus pallidus</i> gen. nov., comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1600-1604.	0.8	96
4	Synthesis of flavor and fragrance esters using <i>Candida antarctica</i> lipase. <i>Applied Microbiology and Biotechnology</i> , 2004, 65, 373-376.	1.7	94
5	Effects of fish oil on hypertension, plasma lipids, and tumor necrosis factor- α in rats with sucrose-induced metabolic syndrome. <i>Journal of Nutritional Biochemistry</i> , 2004, 15, 350-357.	1.9	87
6	Effect of microwaves and ultrasound on bioactive compounds and microbiological quality of blackberry juice. <i>LWT - Food Science and Technology</i> , 2018, 87, 47-53.	2.5	49
7	Purification and characterization of cell wall-bound peroxidase from vanilla bean. <i>LWT - Food Science and Technology</i> , 2008, 41, 1372-1379.	2.5	40
8	Antioxidant and antiproliferative activity of blue corn and tortilla from native maize. <i>Chemistry Central Journal</i> , 2017, 11, 110.	2.6	36
9	Nutritional composition of new Peanut (<i>Arachis hypogaea</i> L.) cultivars. <i>Grasas Y Aceites</i> , 2009, 60, 161-167.	0.3	32
10	Immobilization in the presence of Triton X-100: modifications in activity and thermostability of <i>Geobacillus thermoleovorans</i> CCR11 lipase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1687-1693.	1.4	30
11	Gene Cloning, Expression, and Characterization of the <i>Geobacillus</i> Thermoalkaliphilic Lipase. <i>Molecular Biotechnology</i> , 2009, 42, 75-83.	1.3	30
12	Blue Maize Extract Improves Blood Pressure, Lipid Profiles, and Adipose Tissue in High-Sucrose Diet-Induced Metabolic Syndrome in Rats. <i>Journal of Medicinal Food</i> , 2017, 20, 110-115.	0.8	30
13	Thermophilic bacteria from Mexican thermal environments: isolation and potential applications. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 957-966.	1.2	25
14	Induction of Cd36 expression elicited by fish oil PUFA in spontaneously hypertensive rats. <i>Journal of Nutritional Biochemistry</i> , 2006, 17, 760-765.	1.9	23
15	Dietary anhydrous milk fat naturally enriched with conjugated linoleic acid and vaccenic acid modify cardiovascular risk biomarkers in spontaneously hypertensive rats. <i>International Journal of Food Sciences and Nutrition</i> , 2013, 64, 575-586.	1.3	21
16	Anthocyanins of Blue Corn and Tortilla Arrest Cell Cycle and Induce Apoptosis on Breast and Prostate Cancer Cells. <i>Nutrition and Cancer</i> , 2020, 72, 768-777.	0.9	19
17	Dietary fatty acids effects on sucrose-induced cardiovascular syndrome in rats. <i>Journal of Nutritional Biochemistry</i> , 2001, 12, 207-212.	1.9	16
18	Plants as a green alternative for alcohol preparation from aromatic aldehydes. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 441-445.	1.4	16

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19	Synthesis of chiral $\hat{\pm}$ -hydroxy amides by two sequential enzymatic catalyzed reactions. Applied Microbiology and Biotechnology, 2007, 75, 297-302.	1.7	12
20	Effect of High Hydrostatic Pressure on the Physiology of Manila Mango. Plant Foods for Human Nutrition, 2013, 68, 137-144.	1.4	12
21	Genetic polymorphism of the human sex hormone-binding globulin: Evidence of an isoelectric focusing variant with normal androgen-binding affinities. The Journal of Steroid Biochemistry, 1990, 36, 541-548.	1.3	11
22	Immunohistochemical Demonstration of Androgen-Binding Protein in the Rat Prostatic Gland1. Biology of Reproduction, 1991, 45, 417-423.	1.2	11
23	Significant improvement of Geobacillus thermoleovorans CCR11 thermoalkalophilic lipase production using Response Surface Methodology. New Biotechnology, 2011, 28, 761-766.	2.4	11
24	Gene Cloning and Characterization of the Geobacillus thermoleovorans CCR11 Carboxylesterase CaesCCR11, a New Member of Family XV. Molecular Biotechnology, 2016, 58, 37-46.	1.3	11
25	Dietary n-3 polyunsaturated fatty acids modify fatty acid composition in hepatic and abdominal adipose tissue of sucrose-induced obese rats. Journal of Physiology and Biochemistry, 2011, 67, 595-604.	1.3	10
26	Fatty acid composition and some physicochemical characteristics of <i>Sterculia apetala</i> seed oils. Grasas Y Aceites, 2014, 65, e039.	0.3	10
27	Preventive Action of Sterculic Oil on Metabolic Syndrome Development on a Fructose-Induced Rat Model. Journal of Medicinal Food, 2020, 23, 305-311.	0.8	10
28	Improved expression and immobilization of <i>Geobacillus thermoleovorans</i> CCR11 thermostable recombinant lipase. Biotechnology and Applied Biochemistry, 2017, 64, 62-69.	1.4	9
29	Beneficial effects of an algal oil rich in n-3 polyunsaturated fatty acids on locomotor function and D2 dopamine receptor in haloperidol-induced parkinsonism. Nutritional Neuroscience, 2020, , 1-11.	1.5	9
30	A Canola Oil-Supplemented Diet Prevents Type I Diabetes-Caused Lipotoxicity and Renal Dysfunction in a Rat Model. Journal of Medicinal Food, 2016, 19, 1041-1047.	0.8	8
31	Behavioral Effect of <i>Sterculia apetala</i> Seed Oil Consumption in Male Zucker Rats. Journal of Medicinal Food, 2017, 20, 1133-1139.	0.8	8
32	Utilización de microorganismos de ambientes extremos y sus productos en el desarrollo biotecnológico. CienciaUAT, 2016, 11, 79.	0.3	8
33	Bitter taste perception and <i>TAS2R38</i> genotype: effects on taste sensitivity, food consumption and anthropometry in Mexican adults. Flavour and Fragrance Journal, 2016, 31, 310-318.	1.2	7
34	Polypropylene as a selective support for the immobilization of lipolytic enzymes: hyperactivation, purification and biotechnological applications. Journal of Chemical Technology and Biotechnology, 2022, 97, 436-445.	1.6	7
35	Beneficial Effects of Fructooligosaccharides Esterified with Lauric Acid in a Metabolic Syndrome Model Induced by a High-Fat and High-Carbohydrate Diet in Wistar Rats. Journal of Medicinal Food, 2022, 25, 828-835.	0.8	7
36	Enzymatic reactions and synthesis of n-butyl caproate: esterification, transesterification and aminolysis using a recombinant lipase from <i>Geobacillus thermoleovorans</i> CCR11. Environmental Technology (United Kingdom), 2010, 31, 1101-1106.	1.2	5

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37	HIGH HYDROSTATIC PRESSURE INDUCES SYNTHESIS OF HEAT SHOCK PROTEINS AND TREHALOSE PHOSPHATE SYNTHASE IN <i>Anastrepha ludens</i> LARVAE. Archives of Insect Biochemistry and Physiology, 2013, 82, 196-212.	0.6	5
38	Inhibition of Stearoyl-CoA Desaturase by Sterculic Oil Reduces Proliferation and Induces Apoptosis in Prostate Cancer Cell Lines. Nutrition and Cancer, 2022, 74, 1308-1321.	0.9	4
39	Comparative Effect between Sardine Oil and Fish Oil Rich in Omega-3 Fatty Acids on Hypertension and the Membrane Composition of Adipocytes in SHR Rats. Journal of Nutritional Science and Vitaminology, 2018, 64, 179-184.	0.2	3
40	Mechanochemo-enzymatic Synthesis of Aromatic Aldehyde Oxime Esters. Natural Product Communications, 2018, 13, 1934578X1801300.	0.2	2
41	Diversity of Bacterioplankton and Bacteriobenthos from the Veracruz Reef System, Southwestern Gulf of Mexico. Microorganisms, 2021, 9, 619.	1.6	2
42	Effect of physical refining on chemical and sensory quality of coconut oil. Grasas Y Aceites, 2009, 60, .	0.3	1
43	Impact of blackberry juice on biochemical and histopathological profile in Wistar rats fed with a high-sucrose and high-cholesterol diet. CYTA - Journal of Food, 2020, 18, 359-366.	0.9	0
44	Metagenomic Approach to Bacterial Diversity and Lipolytic Enzymes Genes from a Steam Soil of Los Hornos Geothermal Field (Puebla, Mexico). Geomicrobiology Journal, 2021, 38, 304-314.	1.0	0
45	Presence of antinutritional factors in legumes. Revista De Ingenieria Innovativa, 0, , 6-13.	0.0	0