

César Hernández-Rodríguez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8335644/publications.pdf>

Version: 2024-02-01

82
papers

2,463
citations

185998

28
h-index

223531

46
g-index

86
all docs

86
docs citations

86
times ranked

3155
citing authors

#	ARTICLE	IF	CITATIONS
1	Antifungal Activity of Fibrate-Based Compounds and Substituted Pyrroles That Inhibit the Enzyme 3-Hydroxy-methyl-glutaryl-CoA Reductase of <i>Candida glabrata</i> (CgHMGR), Thus Decreasing Yeast Viability and Ergosterol Synthesis. <i>Microbiology Spectrum</i> , 2022, 10, e0164221.	1.2	7
2	Inhibitors of DNA topoisomerases I and II applied to <i>Candida dubliniensis</i> reduce growth, viability, the generation of petite mutants and toxicity, while acting synergistically with fluconazole. <i>FEMS Yeast Research</i> , 2021, 21, .	1.1	4
3	The Mexican giant maize of Jala landrace harbour plant-growth-promoting rhizospheric and endophytic bacteria. <i>3 Biotech</i> , 2021, 11, 447.	1.1	9
4	Three new species of <i>Rhytidhysterion</i> (Dothideomycetes, Ascomycota) from Mexico. <i>MycoKeys</i> , 2021, 83, 123-144.	0.8	5
5	Point mutations in <i>Candida glabrata</i> 3-hydroxy-3-methylglutaryl-coenzyme A reductase (CgHMGR) decrease enzymatic activity and substrate/inhibitor affinity. <i>Scientific Reports</i> , 2021, 11, 20842.	1.6	0
6	Phylogeny, evolution, and potential ecological relationship of cytochrome CYP52 enzymes in Saccharomycetales yeasts. <i>Scientific Reports</i> , 2020, 10, 10269.	1.6	8
7	First report of a catheter-related bloodstream infection by <i>Candida haemulonii</i> in a children's hospital in Mexico City. <i>International Journal of Infectious Diseases</i> , 2020, 92, 123-126.	1.5	9
8	El gÃ©nero <i>Rhytidhysterion</i> (Dothideomycetes, Ascomycota) en MÃ©xico. <i>Acta Botanica Mexicana</i> , 2020, , .	0.1	6
9	<i>Candida pseudoglebosa</i> and <i>Kodamaea ohmeri</i> are capable of degrading alkanes in the presence of heavy metals. <i>Journal of Basic Microbiology</i> , 2019, 59, 792-806.	1.8	3
10	Inhibition of recombinant enzyme 3-hydroxy-3-methylglutaryl-CoA reductase from <i>Candida glabrata</i> by Î±-asarone-based synthetic compounds as antifungal agents. <i>Journal of Biotechnology</i> , 2019, 292, 64-67.	1.9	11
11	<i>Candida pseudoglebosa</i> and <i>Kodamaea ohmeri</i> are capable of degrading alkanes in the presence of heavy metals. <i>Journal of Basic Microbiology</i> , 2019, , .	1.8	0
12	Simvastatin and other inhibitors of the enzyme 3-hydroxy-3-methylglutaryl coenzyme A reductase of <i>Ustilago maydis</i> (Um-Hmgr) affect the viability of the fungus, its synthesis of sterols and mating. <i>Revista Iberoamericana De Micologia</i> , 2019, 36, 1-8.	0.4	6
13	Case report: A retrospective serological analysis indicating human exposure to tick-borne relapsing fever spirochetes in Sonora, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007215.	1.3	8
14	Isolation of Yeasts from Guajillo Pepper (<i>Capsicum annum</i> L.) Fermentation and Study of Some Probiotic Characteristics. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 748-764.	1.9	27
15	Diversity and distribution of <i>Udotea</i> genus J.V. Lamouroux (Chlorophyta, Udoteaceae) in the Yucatan peninsula littoral, Mexico. <i>Phytotaxa</i> , 2018, 345, 179.	0.1	3
16	Cyanotrophic and arsenic oxidizing activities of <i>Pseudomonas mendocina</i> P6115 isolated from mine tailings containing high cyanide concentration. <i>Archives of Microbiology</i> , 2018, 200, 1037-1048.	1.0	5
17	Activity and expression of <i>Candida glabrata</i> vacuolar proteases in autophagy-like conditions. <i>FEMS Yeast Research</i> , 2018, 18, .	1.1	3
18	Antagonistic Interaction of <i>Staphylococcus aureus</i> Toward <i>Candida glabrata</i> During in vitro Biofilm Formation Is Caused by an Apoptotic Mechanism. <i>Frontiers in Microbiology</i> , 2018, 9, 2031.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Heterologous expression and characterization of the aspartic endoprotease Pep4um from <i>Ustilago maydis</i> , a homolog of the human Chatepsin D, an important breast cancer therapeutic target. <i>Molecular Biology Reports</i> , 2018, 45, 1155-1163.	1.0	4
20	Recombinant 3-Hydroxy 3-Methyl Glutaryl-CoA Reductase from <i>Candida glabrata</i> (Rec-CgHMGR) Obtained by Heterologous Expression, as a Novel Therapeutic Target Model for Testing Synthetic Drugs. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 1478-1490.	1.4	13
21	Inferring the role of microorganisms in water kefir fermentations. <i>International Journal of Food Science and Technology</i> , 2017, 52, 559-571.	1.3	43
22	Polymorphism in the regulatory regions of genes CgYPS1 and CgYPS7 encoding yapsins in <i>Candida glabrata</i> is associated with changes in expression levels. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	4
23	Ammonia-Oligotrophic and Diazotrophic Heavy Metal-Resistant <i>Serratia liquefaciens</i> Strains from Pioneer Plants and Mine Tailings. <i>Microbial Ecology</i> , 2016, 72, 324-346.	1.4	13
24	Changes in Bacterial Populations During Bioremediation of Soil Contaminated with Petroleum Hydrocarbons. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	48
25	Bisulfite reductase gene expression of thermophilic sulphate-reducing bacteria from saline connate water of oil reservoirs with high temperature. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 198-206.	1.9	10
26	Vacuolar proteases from <i>Candida glabrata</i> : Acid aspartic protease PrA, neutral serine protease PrB and serine carboxypeptidase CpY. The nitrogen source influences their level of expression. <i>Revista Iberoamericana De Micologia</i> , 2016, 33, 26-33.	0.4	4
27	The <i>pep4</i> gene encoding proteinase A is involved in dimorphism and pathogenesis of <i>Ustilago maydis</i> . <i>Molecular Plant Pathology</i> , 2015, 16, 837-846.	2.0	42
28	Halotolerance and Survival Kinetics of Lactic Acid Bacteria Isolated from Jalapeño Pepper (<i>Capsicum annuum</i> L.) Fermentation. <i>Journal of Food Science</i> , 2014, 79, M1545-53.	1.5	21
29	Molecular Cloning and Heterologous Expression in <i>Pichia pastoris</i> of X-Prolyl-dipeptidyl Aminopeptidase from Basidiomycete <i>Ustilago maydis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2530-2539.	1.4	6
30	The 3-hydroxy-3-methylglutaryl coenzyme-A reductases from fungi: A proposal as a therapeutic target and as a study model. <i>Revista Iberoamericana De Micologia</i> , 2014, 31, 81-85.	0.4	15
31	Nitrogen-Fixing and Uricolytic Bacteria Associated with the Gut of <i>Dendroctonus rhizophagus</i> and <i>Dendroctonus valens</i> (Curculionidae: Scolytinae). <i>Microbial Ecology</i> , 2013, 66, 200-210.	1.4	121
32	Bisulfite reductase and nitrogenase genes retrieved from biocorrosive bacteria in saline produced waters of offshore oil recovery facilities. <i>International Biodeterioration and Biodegradation</i> , 2013, 81, 17-27.	1.9	14
33	Degradation of benzene, toluene, and xylene isomers by a bacterial consortium obtained from rhizosphere soil of <i>Cyperus</i> sp. grown in a petroleum-contaminated area. <i>Folia Microbiologica</i> , 2013, 58, 569-577.	1.1	22
34	Performance of a biofilter system with agave fiber filter media for municipal wastewater treatment. <i>Water Science and Technology</i> , 2013, 68, 599-607.	1.2	14
35	Biochemical and Molecular Analysis of Some Commercial Samples of Chilli Peppers from Mexico. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11.	3.0	28
36	Identification and expression of nor efflux family genes in <i>Staphylococcus epidermidis</i> that act against gatifloxacin. <i>Microbial Pathogenesis</i> , 2012, 52, 318-325.	1.3	16

#	ARTICLE	IF	CITATIONS
37	Isolation and characterization of nitrogen fixing heterotrophic bacteria from the rhizosphere of pioneer plants growing on mine tailings. <i>Applied Soil Ecology</i> , 2012, 62, 52-60.	2.1	70
38	Production and Characterization of Extracellular α -Amylase Produced by <i>Wickerhamia</i> sp. X-Fep. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 2117-2129.	1.4	10
39	16S rRNA gene-based identification of bacteria in postoperative endophthalmitis by PCR-Denaturing Gradient Gel Electrophoresis (PCR-DGGE) fingerprinting. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 283-287.	0.8	7
40	Bacterial community structure in the rhizosphere of three cactus species from semi-arid highlands in central Mexico. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 891-904.	0.7	42
41	Gut-Associated Bacteria Throughout the Life Cycle of the Bark Beetle <i>Dendroctonus rhizophagus</i> Thomas and Bright (Curculionidae: Scolytinae) and Their Cellulolytic Activities. <i>Microbial Ecology</i> , 2012, 64, 268-278.	1.4	139
42	Microbial Biofilms on the Sandstone Monuments of the Angkor Wat Complex, Cambodia. <i>Current Microbiology</i> , 2012, 64, 85-92.	1.0	50
43	16S rRNA gene-based identification of bacteria in postoperative endophthalmitis by PCR-Denaturing Gradient Gel Electrophoresis (PCR-DGGE) fingerprinting. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 283-7.	0.8	6
44	Molecular phylogeny and paclitaxel screening of fungal endophytes from <i>Taxus globosa</i> . <i>Fungal Biology</i> , 2011, 115, 143-156.	1.1	51
45	Huitlacoche (corn smut), caused by the phytopathogenic fungus <i>Ustilago maydis</i> , as a functional food. <i>Revista Iberoamericana De Micología</i> , 2011, 28, 69-73.	0.4	38
46	Isolation and Partial Characterization of Halotolerant Lactic Acid Bacteria from Two Mexican Cheeses. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 889-905.	1.4	65
47	Vaginal Microbiota of Healthy Pregnant Mexican Women is Constituted by Four <i>Lactobacillus</i> Species and Several Vaginosis-Associated Bacteria. <i>Infectious Diseases in Obstetrics and Gynecology</i> , 2011, 2011, 1-9.	0.4	50
48	Bacterial communities associated with the rhizosphere of pioneer plants (<i>Bahia xylopoda</i> and <i>Viguiera</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	71
49	Phylogeny and evolution of the aspartyl protease family from clinically relevant <i>Candida</i> species. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2009, 104, 505-512.	0.8	58
50	Degradation of polychlorinated biphenyl (PCB) by a consortium obtained from a contaminated soil composed of <i>Brevibacterium</i> , <i>Pandoraea</i> and <i>Ochrobactrum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 165-170.	1.7	31
51	Bacterial Community and Nitrogen Fixation in the Red Turpentine Beetle, <i>Dendroctonus valens</i> LeConte (Coleoptera: Curculionidae: Scolytinae). <i>Microbial Ecology</i> , 2009, 58, 879-891.	1.4	144
52	Differential expression of <i>Candida dubliniensis</i> -secreted aspartyl proteinase genes (CdSAP1â€“4) under different physiological conditions and during infection of a keratinocyte culture. <i>FEMS Immunology and Medical Microbiology</i> , 2009, 56, 212-222.	2.7	16
53	Phylogenetic characterization of bacterial consortia obtained of corroding gas pipelines in Mexico. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 1775-1784.	1.7	28
54	Phylogenetic analysis of the archaeal community in an alkaline-saline soil of the former lake Texcoco (Mexico). <i>Extremophiles</i> , 2008, 12, 247-254.	0.9	98

#	ARTICLE	IF	CITATIONS
55	Modulation of tolerance to Cr(VI) and Cr(VI) reduction by sulfate ion in a <i>Candida</i> yeast strain isolated from tannery wastewater. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1277-1287.	1.4	29
56	Isolation, identification and characterization of a <i>Hypocrea tawa</i> strain with high Cr(VI) reduction potential. <i>Biochemical Engineering Journal</i> , 2008, 40, 284-292.	1.8	60
57	Virulence potential and genetic diversity of <i>Aeromonas caviae</i> , <i>Aeromonas veronii</i> , and <i>Aeromonas hydrophila</i> clinical isolates from Mexico and Spain: a comparative study. <i>Canadian Journal of Microbiology</i> , 2007, 53, 877-887.	0.8	52
58	Comparación de un método de amplificación aleatoria del ADN polimorfo (RAPD) y el sistema ATB ID32C para la identificación de aislamientos clínicos de <i>Candida</i> . <i>Revista Iberoamericana De Micología</i> , 2007, 24, 148-151.	0.4	16
59	The Proteolytic System of <i>Candida dubliniensis</i> . <i>American Journal of Infectious Diseases</i> , 2007, 3, 76-83.	0.1	5
60	Phylogenetic analysis of a biofilm bacterial population in a water pipeline in the Gulf of Mexico. <i>FEMS Microbiology Ecology</i> , 2006, 58, 145-154.	1.3	51
61	Characterization of bacterial community associated to biofilms of corroded oil pipelines from the southeast of Mexico. <i>Anaerobe</i> , 2006, 12, 122-133.	1.0	137
62	Analysis and expression of STE13c gene encoding a putative X-prolyl dipeptidyl aminopeptidase from <i>Candida albicans</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2005, 45, 459-469.	2.7	10
63	<i>Aeromonas hydrophila</i> clinical and environmental ecotypes as revealed by genetic diversity and virulence genes. <i>FEMS Microbiology Letters</i> , 2005, 242, 231-240.	0.7	75
64	Purification and characterization of an intracellular aspartyl acid proteinase (pumAi) from <i>Ustilago maydis</i> . <i>Canadian Journal of Microbiology</i> , 2005, 51, 171-175.	0.8	5
65	Purification and characterization of a lysine aminopeptidase from <i>Kluyveromyces marxianus</i> . <i>FEMS Microbiology Letters</i> , 2004, 235, 369-375.	0.7	54
66	Purification and characterization of a serine carboxypeptidase from <i>Kluyveromyces marxianus</i> . <i>International Journal of Food Microbiology</i> , 2004, 91, 245-252.	2.1	16
67	Phylogenetic analysis of bacterial populations in waters of the former Texcoco Lake, Mexico. <i>Canadian Journal of Microbiology</i> , 2004, 50, 1049-1059.	0.8	15
68	Purification and characterization of aminopeptidase (pumAPE) from <i>Ustilago maydis</i> . <i>FEMS Microbiology Letters</i> , 2004, 234, 247-253.	0.7	5
69	Purification and characterization of a lysine aminopeptidase from <i>Kluyveromyces marxianus</i> . <i>FEMS Microbiology Letters</i> , 2004, 235, 369-375.	0.7	21
70	Purification and Characterization of an Extracellular Non-Aspartyl Acid Protease (pumAe) from <i>Ustilago maydis</i> . <i>Current Microbiology</i> , 2003, 47, 408-11.	1.0	6
71	Removal of phenanthrene from soil by co-cultures of bacteria and fungi pregrown on sugarcane bagasse pith. <i>Bioresource Technology</i> , 2003, 89, 177-183.	4.8	68
72	Identification of <i>Candida</i> spp. by Randomly Amplified Polymorphic DNA Analysis and Differentiation between <i>Candida albicans</i> and <i>Candida dubliniensis</i> by Direct PCR Methods. <i>Journal of Clinical Microbiology</i> , 2003, 41, 414-420.	1.8	54

#	ARTICLE	IF	CITATIONS
73	Genetic Diversity among Clinical Isolates of <i>Candida glabrata</i> Analyzed by Randomly Amplified Polymorphic DNA and Multilocus Enzyme Electrophoresis Analyses. <i>Journal of Clinical Microbiology</i> , 2003, 41, 4799-4804.	1.8	18
74	Proteinases and Exopeptidases from the Phytopathogenic Fungus <i>Ustilago maydis</i> . <i>Mycologia</i> , 2003, 95, 327.	0.8	17
75	Proteinases and exopeptidases from the phytopathogenic fungus <i>Ustilago maydis</i> . <i>Mycologia</i> , 2003, 95, 327-339.	0.8	23
76	Proteinases and exopeptidases from the phytopathogenic fungus <i>Ustilago maydis</i> . <i>Mycologia</i> , 2003, 95, 327-39.	0.8	4
77	Multiple <i>Mycobacterium microti</i> Derived Lipids Stimulate iNOS Gene Expression in the J774 Murine Macrophage Cell Line. <i>Scandinavian Journal of Immunology</i> , 2002, 56, 52-58.	1.3	5
78	Purification and characterization of an extracellular enzyme from <i>Streptomyces antibioticus</i> that converts inactive glycosylated oleandomycin into the active antibiotic. <i>FEBS Journal</i> , 1994, 222, 129-135.	0.2	22
79	Characterization of a <i>Streptomyces antibioticus</i> gene cluster encoding a glycosyltransferase involved in oleandomycin inactivation. <i>Gene</i> , 1993, 134, 139-140.	1.0	50
80	Genetic diversity and population structure of <i>Pichia guilliermondii</i> over 400 generations of experimental microevolution. <i>Biological Journal of the Linnean Society</i> , 0, 93, 475-486.	0.7	3
81	Gut-associated yeast in bark beetles of the genus <i>Dendroctonus</i> Erichson (Coleoptera: Curculionidae:). <i>Tj ETQq1 1 0,784314 r gBT /Ov</i>	0.7	86
82	Evolution of GPI-Aspartyl Proteinases (Yapsines) of <i>Candida</i> spp. , 0, , .		1