CÃ©sar HernÃ¡ndez-RodrÃ-guez

List of Publications by Year
in descending order

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	Bacterial Community and Nitrogen Fixation in the Red Turpentine Beetle, Dendroctonus valens LeConte (Coleoptera: Curculionidae: Scolytinae). Microbial Ecology, 2009, 58, 879-891.	1.4	144
2	Gut-Associated Bacteria Throughout the Life Cycle of the Bark Beetle Dendroctonus rhizophagus Thomas and Bright (Curculionidae: Scolytinae) and Their Cellulolytic Activities. Microbial Ecology, 2012, 64, 268-278.	1.4	139
3	Characterization of bacterial community associated to biofilms of corroded oil pipelines from the southeast of Mexico. Anaerobe, 2006, 12, 122-133.	1.0	137
4	Nitrogen-Fixing and Uricolytic Bacteria Associated with the Gut of Dendroctonus rhizophagus and Dendroctonus valens (Curculionidae: Scolytinae). Microbial Ecology, 2013, 66, 200-210.	1.4	121
5	Phylogenetic analysis of the archaeal community in an alkaline-saline soil of the former lake Texcoco (Mexico). Extremophiles, 2008, 12, 247-254.	0.9	98
6	Gut-associated yeast in bark beetles of the genus Dendroctonus Erichson (Coleoptera: Curculionidae:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	86
7	Aeromonas hydrophilaclinical and environmental ecotypes as revealed by genetic diversity and virulence genes. FEMS Microbiology Letters, 2005, 242, 231-240.	0.7	75
8	Bacterial communities associated with the rhizosphere of pioneer plants (Bahia xylopoda and Viguiera) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	71
9	Isolation and characterization of nitrogen fixing heterotrophic bacteria from the rhizosphere of pioneer plants growing on mine tailings. Applied Soil Ecology, 2012, 62, 52-60.	2.1	70
10	Removal of phenanthrene from soil by co-cultures of bacteria and fungi pregrown on sugarcane bagasse pith. Bioresource Technology, 2003, 89, 177-183.	4.8	68
11	Isolation and Partial Characterization of Halotolerant Lactic Acid Bacteria from Two Mexican Cheeses. Applied Biochemistry and Biotechnology, 2011, 164, 889-905.	1.4	65
12	Isolation, identification and characterization of a Hypocrea tawa strain with high Cr(VI) reduction potential. Biochemical Engineering Journal, 2008, 40, 284-292.	1.8	60
13	Phylogeny and evolution of the aspartyl protease family from clinically relevant Candida species. Memorias Do Instituto Oswaldo Cruz, 2009, 104, 505-512.	0.8	58
14	Identification of Candida spp. by Randomly Amplified Polymorphic DNA Analysis and Differentiation between Candida albicans and Candida dubliniensis by Direct PCR Methods. Journal of Clinical Microbiology, 2003, 41, 414-420.	1.8	54
15	Purification and characterization of a lysine aminopeptidase fromKluyveromyces marxianus. FEMS Microbiology Letters, 2004, 235, 369-375.	0.7	54
16	Virulence potential and genetic diversity ofAeromonas caviae,Aeromonas veronii, andAeromonas hydrophilaclinical isolates from Mexico and Spain: a comparative study. Canadian Journal of Microbiology, 2007, 53, 877-887.	0.8	52
17	Phylogenetic analysis of a biofilm bacterial population in a water pipeline in the Gulf of Mexico. FEMS Microbiology Ecology, 2006, 58, 145-154.	1.3	51
18	Molecular phylogeny and paclitaxel screening of fungal endophytes from Taxus globosa. Fungal Biology, 2011, 115, 143-156.	1.1	51

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19	Characterization of a Streptomyces antibioticus gene cluster encoding a glycosyltransferase involved in oleandomycin inactivation. Gene, 1993, 134, 139-140.	1.0	50
20	Vaginal Microbiota of Healthy Pregnant Mexican Women is Constituted by Four Lactobacillus Species and Several Vaginosis-Associated Bacteria. Infectious Diseases in Obstetrics and Gynecology, 2011, 2011, 1-9.	0.4	50
21	Microbial Biofilms on the Sandstone Monuments of the Angkor Wat Complex, Cambodia. Current Microbiology, 2012, 64, 85-92.	1.0	50
22	Changes in Bacterial Populations During Bioremediation of Soil Contaminated with Petroleum Hydrocarbons. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	48
23	Inferring the role of microorganisms in water kefir fermentations. International Journal of Food Science and Technology, 2017, 52, 559-571.	1.3	43
24	Bacterial community structure in the rhizosphere of three cactus species from semi-arid highlands in central Mexico. Antonie Van Leeuwenhoek, 2012, 101, 891-904.	0.7	42
25	The pep4 gene encoding proteinase <scp>A</scp> is involved in dimorphism and pathogenesis of <scp>U</scp>stilago maydis. Molecular Plant Pathology, 2015, 16, 837-846.	2.0	42
26	Huitlacoche (corn smut), caused by the phytopathogenic fungus Ustilago maydis, as a functional food. Revista Iberoamericana De Micologia, 2011, 28, 69-73.	0.4	38
27	Degradation of polychlorinated biphenyl (PCB) by a consortium obtained from a contaminated soil composed of Brevibacterium, Pandoraea and Ochrobactrum. World Journal of Microbiology and Biotechnology, 2009, 25, 165-170.	1.7	31
28	Modulation of tolerance to Cr(VI) and Cr(VI) reduction by sulfate ion in a Candida yeast strain isolated from tannery wastewater. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1277-1287.	1.4	29
29	Phylogenetic characterization of bacterial consortia obtained of corroding gas pipelines in Mexico. World Journal of Microbiology and Biotechnology, 2008, 24, 1775-1784.	1.7	28
30	Biochemical and Molecular Analysis of Some Commercial Samples of Chilli Peppers from Mexico. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-11.	3.0	28
31	Isolation of Yeasts from Guajillo Pepper (Capsicum annuum L.) Fermentation and Study of Some Probiotic Characteristics. Probiotics and Antimicrobial Proteins, 2019, 11, 748-764.	1.9	27
32	Proteinases and exopeptidases from the phytopathogenic fungusUstilago maydis. Mycologia, 2003, 95, 327-339.	0.8	23
33	Purification and characterization of an extracellular enzyme from Streptomyces antibioticus that converts inactive glycosylated oleandomycin into the active antibiotic. FEBS Journal, 1994, 222, 129-135.	0.2	22
34	Degradation of benzene, toluene, and xylene isomers by a bacterial consortium obtained from rhizosphere soil of Cyperus sp. grown in a petroleum-contaminated area. Folia Microbiologica, 2013, 58, 569-577.	1.1	22
35	Purification and characterization of a lysine aminopeptidase from Kluyveromyces marxianus. FEMS Microbiology Letters, 2004, 235, 369-375.	0.7	21
36	Halotolerance and Survival Kinetics of Lactic Acid Bacteria Isolated from JalapeÃ±o Pepper (Capsicum annuum L.) Fermentation. Journal of Food Science, 2014, 79, M1545-53.	1.5	21

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37	Genetic Diversity among Clinical Isolates of Candida glabrata Analyzed by Randomly Amplified Polymorphic DNA and Multilocus Enzyme Electrophoresis Analyses. Journal of Clinical Microbiology, 2003, 41, 4799-4804.	1.8	18
38	Antagonistic Interaction of Staphylococcus aureus Toward Candida glabrata During in vitro Biofilm Formation Is Caused by an Apoptotic Mechanism. Frontiers in Microbiology, 2018, 9, 2031.	1.5	18
39	Proteinases and Exopeptidases from the Phytopathogenic Fungus Ustilago maydis. Mycologia, 2003, 95, 327.	0.8	17
40	Purification and characterization of a serine carboxypeptidase from Kluyveromyces marxianus. International Journal of Food Microbiology, 2004, 91, 245-252.	2.1	16
41	ComparaciÃ³n de un mÃ©todo de amplificaciÃ³n aleatoria del ADN polimorfo (RAPD) y el sistema ATB ID32C para la identificaciÃ³n de aislamientos clÃnicos de Candida. Revista Iberoamericana De Micologia, 2007, 24, 148-151.	0.4	16
42	Differential expression ofCandida dubliniensis-secreted aspartyl proteinase genes (CdSAP1â€“4) under different physiological conditions and during infection of a keratinocyte culture. FEMS Immunology and Medical Microbiology, 2009, 56, 212-222.	2.7	16
43	Identification and expression of nor efflux family genes in Staphylococcus epidermidis that act against gatifloxacin. Microbial Pathogenesis, 2012, 52, 318-325.	1.3	16
44	Phylogenetic analysis of bacterial populations in waters of the former Texcoco Lake, Mexico. Canadian Journal of Microbiology, 2004, 50, 1049-1059.	0.8	15
45	The 3-hydroxy-3-methylglutaryl coenzyme-A reductases from fungi: A proposal as a therapeutic target and as a study model. Revista Iberoamericana De Micologia, 2014, 31, 81-85.	0.4	15
46	Bisulfite reductase and nitrogenase genes retrieved from biocorrosive bacteria inÂsaline produced waters of offshore oil recovery facilities. International Biodeterioration and Biodegradation, 2013, 81, 17-27.	1.9	14
47	Performance of a biofilter system with agave fiber filter media for municipal wastewater treatment. Water Science and Technology, 2013, 68, 599-607.	1.2	14
48	Ammonia-Oligotrophic and Diazotrophic Heavy Metal-Resistant Serratia liquefaciens Strains from Pioneer Plants and Mine Tailings. Microbial Ecology, 2016, 72, 324-346.	1.4	13
49	Recombinant 3-Hydroxy 3-Methyl Glutaryl-CoA Reductase from Candida glabrata (Rec-CgHMGR) Obtained by Heterologous Expression, as a Novel Therapeutic Target Model for Testing Synthetic Drugs. Applied Biochemistry and Biotechnology, 2017, 182, 1478-1490.	1.4	13
50	Inhibition of recombinant enzyme 3-hydroxy-3-methylglutaryl-CoA reductase from Candida glabrata by Î±-asarone-based synthetic compounds as antifungal agents. Journal of Biotechnology, 2019, 292, 64-67.	1.9	11
51	Analysis and expression ofSTE13cagene encoding a putative X-prolyl dipeptidyl aminopeptidase fromCandida albicans. FEMS Immunology and Medical Microbiology, 2005, 45, 459-469.	2.7	10
52	Production and Characterization of Extracellular Î±-Amylase Produced by Wickerhamia sp. X-Fep. Applied Biochemistry and Biotechnology, 2012, 167, 2117-2129.	1.4	10
53	Bisulfite reductase gene expression of thermophilic sulphate-reducing bacteria from saline connate water of oil reservoirs with high temperature. International Biodeterioration and Biodegradation, 2016, 108, 198-206.	1.9	10
54	First report of a catheter-related bloodstream infection by Candida haemulonii in a childrenâ€™s hospital in Mexico City. International Journal of Infectious Diseases, 2020, 92, 123-126.	1.5	9

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55	The Mexican giant maize of Jala landrace harbour plant-growth-promoting rhizospheric and endophytic bacteria. 3 Biotech, 2021, 11, 447.	1.1	9
56	Case report: A retrospective serological analysis indicating human exposure to tick-borne relapsing fever spirochetes in Sonora, Mexico. PLoS Neglected Tropical Diseases, 2019, 13, e0007215.	1.3	8
57	Phylogeny, evolution, and potential ecological relationship of cytochrome CYP52 enzymes in Saccharomycetales yeasts. Scientific Reports, 2020, 10, 10269.	1.6	8
58	16S rRNA gene-based identification of bacteria in postoperative endophthalmitis by PCR- Denaturing Gradient Gel Electrophoresis (PCR-DGGE) fingerprinting. Brazilian Journal of Microbiology, 2012, 43, 283-287.	0.8	7
59	Antifungal Activity of Fibrate-Based Compounds and Substituted Pyrroles That Inhibit the Enzyme 3-Hydroxy-methyl-glutaryl-CoA Reductase of Candida glabrata (CgHMGR), Thus Decreasing Yeast Viability and Ergosterol Synthesis. Microbiology Spectrum, 2022, 10, e0164221.	1.2	7
60	Purification and Characterization of an Extracellular Non-Aspartyl Acid Protease (pumAe) from Ustilago maydis. Current Microbiology, 2003, 47, 408-11.	1.0	6
61	Molecular Cloning and Heterologous Expression in Pichia pastoris of X-Prolyl-dipeptidyl Aminopeptidase from Basidiomycete Ustilago maydis. Applied Biochemistry and Biotechnology, 2014, 172, 2530-2539.	1.4	6
62	Simvastatin and other inhibitors of the enzyme 3-hydroxy-3-methylglutaryl coenzyme A reductase of Ustilago maydis (Um-Hmgr) affect the viability of the fungus, its synthesis of sterols and mating. Revista Iberoamericana De Micologia, 2019, 36, 1-8.	0.4	6
63	El gÃ©nero Rhytidhysteron (Dothideomycetes, Ascomycota) en MÃ©xico. Acta Botanica Mexicana, 2020, , .	0.1	6
64	16S rRNA gene-based identification of bacteria in postoperative endophthalmitis by PCR-Denaturing Gradient Gel Electrophoresis (PCR-DGGE) fingerprinting. Brazilian Journal of Microbiology, 2012, 43, 283-7.	0.8	6
65	Multiple Mycobacterium microti Derived Lipids Stimulate iNOS Gene Expression in the J774 Murine Macrophage Cell Line. Scandinavian Journal of Immunology, 2002, 56, 52-58.	1.3	5
66	Purification and characterization of aminopeptidase (pumAPE) from Ustilago maydis. FEMS Microbiology Letters, 2004, 234, 247-253.	0.7	5
67	Purification and characterization of an intracellular aspartyl acid proteinase (pumAi) from Ustilago maydis. Canadian Journal of Microbiology, 2005, 51, 171-175.	0.8	5
68	Cyanotrophic and arsenic oxidizing activities of Pseudomonas mendocina P6115 isolated from mine tailings containing high cyanide concentration. Archives of Microbiology, 2018, 200, 1037-1048.	1.0	5
69	Three new species of Rhytidhysteron (Dothideomycetes, Ascomycota) from Mexico. MycoKeys, 2021, 83, 123-144.	0.8	5
70	The Proteolytic System of Candida dubliniensis. American Journal of Infectious Diseases, 2007, 3, 76-83.	0.1	5
71	Vacuolar proteases from Candida glabrata: Acid aspartic protease PrA, neutral serine protease PrB and serine carboxypeptidase CpY. The nitrogen source influences their level of expression. Revista Iberoamericana De Micologia, 2016, 33, 26-33.	0.4	4
72	Polymorphism in the regulatory regions of genes CgYPS1 and CgYPS7 encoding yapsins in Candida glabrata is associated with changes in expression levels. FEMS Yeast Research, 2017, 17, .	1.1	4

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73	Heterologous expression and characterization of the aspartic endoprotease Pep4um from Ustilago maydis, a homolog of the human Chatepsin D, an important breast cancer therapeutic target. Molecular Biology Reports, 2018, 45, 1155-1163.	1.0	4
74	Inhibitors of DNA topoisomerases I and II applied to Candida dubliniensis reduce growth, viability, the generation of petite mutants and toxicity, while acting synergistically with fluconazole. FEMS Yeast Research, 2021, 21, .	1.1	4
75	Proteinases and exopeptidases from the phytopathogenic fungus Ustilago maydis. Mycologia, 2003, 95, 327-39.	0.8	4
76	Genetic diversity and population structure of Pichia guilliermondii over 400 generations of experimental microevolution. Biological Journal of the Linnean Society, 0, 93, 475-486.	0.7	3
77	Diversity and distribution of Udotea genus J.V. Lamouroux (Chlorophyta, Udoteaceae) in the Yucatan peninsula littoral, Mexico. Phytotaxa, 2018, 345, 179.	0.1	3
78	Activity and expression of Candida glabrata vacuolar proteases in autophagy-like conditions. FEMS Yeast Research, 2018, 18, .	1.1	3
79	Candida pseudoglaebosa and Kodamaea ohmeri are capable of degrading alkanes in the presence of heavy metals. Journal of Basic Microbiology, 2019, 59, 792-806.	1.8	3
80	Evolution of GPI-Aspartyl Proteinases (Yapsines) of Candida spp. , 0, , .		1
81	Candida pseudoglaebosaandKodamaea ohmeriare capable of degrading alkanes in the presence of heavy metals. Journal of Basic Microbiology, 2019, , .	1.8	0
82	Point mutations in Candida glabrata 3-hydroxy-3-methylglutaryl-coenzyme A reductase (CgHMGR) decrease enzymatic activity and substrate/inhibitor affinity. Scientific Reports, 2021, 11, 20842.	1.6	0