

Jorge H Leitão

List of Publications by Year in descending order

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87
papers

2,242
citations

236925

25
h-index

254184

43
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90
all docs

90
docs citations

90
times ranked

2120
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on the Involvement of the Exopolysaccharide Produced by Cystic Fibrosis-Associated Isolates of the <i>Burkholderia cepacia</i> Complex in Biofilm Formation and in Persistence of Respiratory Infections. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3052-3058.	3.9	117
2	Structures and Properties of Gellan Polymers Produced by <i>Sphingomonas paucimobilis</i> ATCC 31461 from Lactose Compared with Those Produced from Glucose and from Cheese Whey. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2485-2491.	3.1	98
3	<i>Burkholderia cepacia</i> Complex: Emerging Multihost Pathogens Equipped with a Wide Range of Virulence Factors and Determinants. <i>International Journal of Microbiology</i> , 2011, 2011, 1-9.	2.3	96
4	Pathogenicity, virulence factors, and strategies to fight against <i>Burkholderia cepacia</i> complex pathogens and related species. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 31-40.	3.6	94
5	Distribution of Cepacian Biosynthesis Genes among Environmental and Clinical <i>Burkholderia</i> Strains and Role of Cepacian Exopolysaccharide in Resistance to Stress Conditions. <i>Applied and Environmental Microbiology</i> , 2010, 76, 441-450.	3.1	88
6	Molecular Analysis of <i>Burkholderia cepacia</i> Complex Isolates from a Portuguese Cystic Fibrosis Center: a 7-Year Study. <i>Journal of Clinical Microbiology</i> , 2003, 41, 4113-4120.	3.9	77
7	Identification and physical organization of the gene cluster involved in the biosynthesis of <i>Burkholderia cepacia</i> complex exopolysaccharide. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 323-333.	2.1	76
8	Structural Study of the Exopolysaccharide Produced by a Clinical Isolate of <i>Burkholderia cepacia</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 1088-1094.	2.1	75
9	Variation of the antimicrobial susceptibility profiles of <i>Burkholderia cepacia</i> complex clonal isolates obtained from chronically infected cystic fibrosis patients: a five-year survey in the major Portuguese treatment center. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2008, 27, 1101-1111.	2.9	71
10	Synergistic action of azoreductase and laccase leads to maximal decolourization and detoxification of model dye-containing wastewaters. <i>Bioresource Technology</i> , 2011, 102, 9852-9859.	9.6	68
11	<i>Burkholderia puraquae</i> sp. nov., a novel species of the <i>Burkholderia cepacia</i> complex isolated from hospital settings and agricultural soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 14-20.	1.7	66
12	Virulence of <i>Burkholderia cepacia</i> complex strains in gp91phox ^{-/-} mice. <i>Cellular Microbiology</i> , 2007, 9, 2817-2825.	2.1	65
13	Functional Analysis of <i>Burkholderia cepacia</i> Genes <i>bceD</i> and <i>bceF</i> , Encoding a Phosphotyrosine Phosphatase and a Tyrosine Autokinase, Respectively: Role in Exopolysaccharide Biosynthesis and Biofilm Formation. <i>Applied and Environmental Microbiology</i> , 2007, 73, 524-534.	3.1	63
14	Molecular Typing and Exopolysaccharide Biosynthesis of <i>Burkholderia cepacia</i> Isolates from a Portuguese Cystic Fibrosis Center. <i>Journal of Clinical Microbiology</i> , 2000, 38, 1651-1655.	3.9	62
15	Analysis of structure and function of gellans with different substitution patterns. <i>Carbohydrate Polymers</i> , 1998, 35, 179-188.	10.2	61
16	The <i>hfq</i> gene is required for stress resistance and full virulence of <i>Burkholderia cepacia</i> to the nematode <i>Caenorhabditis elegans</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 896-908.	1.8	56
17	<i>Burkholderia cepacia</i> Complex Regulation of Virulence Gene Expression: A Review. <i>Genes</i> , 2017, 8, 43.	2.4	45
18	Microbial Virulence Factors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5320.	4.1	44

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19	Macromolecular and solution properties of Cepacian: the exopolysaccharide produced by a strain of <i>Burkholderia cepacia</i> isolated from a cystic fibrosis patient. <i>Carbohydrate Research</i> , 2003, 338, 1861-1867.	2.3	38
20	Antibacterial activity of silver camphorimine coordination polymers. <i>Dalton Transactions</i> , 2016, 45, 7114-7123.	3.3	37
21	Effects of growth temperature on alginate synthesis and enzymes in <i>Pseudomonas aeruginosa</i> variants. <i>Journal of General Microbiology</i> , 1992, 138, 605-610.	2.3	35
22	Hfq: a multifaceted RNA chaperone involved in virulence. <i>Future Microbiology</i> , 2016, 11, 137-151.	2.0	32
23	Oxygen-dependent upregulation of transcription of alginate genes <i>algA</i> , <i>algC</i> and <i>algD</i> in <i>Pseudomonas aeruginosa</i> . <i>Research in Microbiology</i> , 1997, 148, 37-43.	2.1	30
24	Identification of the <i>Pseudomonas aeruginosa</i> <i>glmM</i> Gene, Encoding Phosphoglucosamine Mutase. <i>Journal of Bacteriology</i> , 2000, 182, 4453-4457.	2.2	29
25	The Second RNA Chaperone, Hfq2, Is Also Required for Survival under Stress and Full Virulence of <i>Burkholderia cenocepacia</i> J2315. <i>Journal of Bacteriology</i> , 2011, 193, 1515-1526.	2.2	29
26	Small Noncoding Regulatory RNAs from <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cepacia</i> Complex. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3759.	4.1	28
27	The <i>Burkholderia cepacia</i> <i>bceA</i> gene encodes a protein with phosphomannose isomerase and GDP-d-mannose pyrophosphorylase activities. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 200-206.	2.1	27
28	Enzymes Leading to the Nucleotide Sugar Precursors for Exopolysaccharide Synthesis in <i>Burkholderia cepacia</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 71-76.	2.1	25
29	<i>Burkholderia cenocepacia</i> J2315 acyl carrier protein: A potential target for antimicrobials' development?. <i>Microbial Pathogenesis</i> , 2008, 45, 331-336.	2.9	25
30	Enhancing wastewater degradation and biogas production by intermittent operation of UASB reactors. <i>Energy</i> , 2011, 36, 2164-2168.	8.8	25
31	Gold(<i>iii</i>) bis(dithiolene) complexes: from molecular conductors to prospective anticancer, antimicrobial and antiplasmodial agents. <i>Metallomics</i> , 2020, 12, 974-987.	2.4	23
32	Antifungal, Antitumoral and Antioxidant Potential of the Danube Delta <i>Nymphaea alba</i> Extracts. <i>Antibiotics</i> , 2020, 9, 7.	3.7	22
33	Oxygen-Dependent Alginate Synthesis and Enzymes in <i>Pseudomonas Aeruginosa</i> . <i>Journal of General Microbiology</i> , 1993, 139, 441-445.	2.3	21
34	Effects of operational shocks on key microbial populations for biogas production in UASB (Upflow) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.8	21
35	Suitability of a <i>Saccharomyces cerevisiae</i> -based assay to assess the toxicity of pyrimethanil sprayed soils via surface runoff: Comparison with standard aquatic and soil toxicity assays. <i>Science of the Total Environment</i> , 2015, 505, 161-171.	8.0	21
36	Variation of <i>Burkholderia cenocepacia</i> virulence potential during cystic fibrosis chronic lung infection. <i>Virulence</i> , 2017, 8, 782-796.	4.4	20

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37	Silver Camphor Imine Complexes: Novel Antibacterial Compounds from Old Medicines. <i>Antibiotics</i> , 2018, 7, 65.	3.7	20
38	On the path to gold: Monoanionic Au bisdithiolate complexes with antimicrobial and antitumor activities. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110904.	3.5	17
39	Functional analysis of the <i>Burkholderia cenocepacia</i> J2315 BceAJ protein with phosphomannose isomerase and GDP-d-mannose pyrophosphorylase activities. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 1015-1022.	3.6	16
40	Ag(I) camphor complexes: antimicrobial activity by design. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110791.	3.5	16
41	Antimicrobial Activity of Silver Camphorimine Complexes against <i>Candida</i> Strains. <i>Antibiotics</i> , 2019, 8, 144.	3.7	16
42	Ag(I) camphorimine complexes with antimicrobial activity towards clinically important bacteria and species of the <i>Candida</i> genus. <i>PLoS ONE</i> , 2017, 12, e0177355.	2.5	16
43	The Novel Cis-Encoded Small RNA h2cR Is a Negative Regulator of hfq2 in <i>Burkholderia cenocepacia</i> . <i>PLoS ONE</i> , 2012, 7, e47896.	2.5	15
44	Immunization and Immunotherapy Approaches against <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cepacia</i> Complex Infections. <i>Vaccines</i> , 2021, 9, 670.	4.4	15
45	Extracellular RNAs in Bacterial Infections: From Emerging Key Players on Host-Pathogen Interactions to Exploitable Biomarkers and Therapeutic Targets. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9634.	4.1	14
46	Pattern of changes in the activity of enzymes of GDP-D-mannuronic acid synthesis and in the level of transcription of algA, algC and algD genes accompanying the loss and emergence of mucoidy in <i>Pseudomonas aeruginosa</i> . <i>Research in Microbiology</i> , 1999, 150, 105-116.	2.1	13
47	Biochemical and Functional Studies on the <i>Burkholderia cepacia</i> Complex bceN Gene, Encoding a GDP-D-Mannose 4,6-Dehydratase. <i>PLoS ONE</i> , 2013, 8, e56902.	2.5	13
48	The <i>Burkholderia cenocepacia</i> K56-2 pleiotropic regulator Pbr, is required for stress resistance and virulence. <i>Microbial Pathogenesis</i> , 2010, 48, 168-177.	2.9	12
49	The <i>Burkholderia cenocepacia</i> OmpA-like protein BCAL2958: identification, characterization, and detection of anti-BCAL2958 antibodies in serum from <i>B. cepacia</i> complex-infected Cystic Fibrosis patients. <i>AMB Express</i> , 2016, 6, 41.	3.0	12
50	Synthesis, antimicrobial activity and toxicity to nematodes of cyclam derivatives. <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 646-649.	2.5	12
51	Determination of estrone and 17 β -ethinylestradiol in digested sludge by ultrasonic liquid extraction and high-performance liquid chromatography with fluorescence detection. <i>Journal of Separation Science</i> , 2019, 42, 1585-1592.	2.5	12
52	Effects of growth-inhibitory concentrations of copper on alginate biosynthesis in highly mucoid <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 1997, 143, 481-488.	1.8	11
53	Experimental identification of small non-coding regulatory RNAs in the opportunistic human pathogen <i>Burkholderia cenocepacia</i> J2315. <i>Genomics</i> , 2013, 101, 139-148.	2.9	10
54	Regulation of Hfq mRNA and Protein Levels in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> by the <i>Burkholderia cenocepacia</i> MtvR sRNA. <i>PLoS ONE</i> , 2014, 9, e98813.	2.5	10

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55	Characterization of the Burkholderia cenocepacia J2315 Surface-Exposed Immunoproteome. Vaccines, 2020, 8, 509.	4.4	10
56	Bioelectricity generation using long-term operated biocathode: RFLP based microbial diversity analysis. Biotechnology Reports (Amsterdam, Netherlands), 2021, 32, e00693.	4.4	10
57	Growth-phase-dependent alginate synthesis, activity of biosynthetic enzymes and transcription of alginate genes in Pseudomonas aeruginosa. Archives of Microbiology, 1995, 163, 217-222.	2.2	9
58	Chromosomal organization and transcription analysis of genes in the vicinity of Pseudomonas aeruginosa glmM gene encoding phosphoglucosamine mutase. Biochemical and Biophysical Research Communications, 2003, 302, 363-371.	2.1	9
59	Investigations into the Structure/Antibacterial Activity Relationships of Cyclam and Cyclen Derivatives. Antibiotics, 2019, 8, 224.	3.7	9
60	Sono-Biosynthesis and Characterization of AuNPs from Danube Delta Nymphaea alba Root Extracts and Their Biological Properties. Nanomaterials, 2021, 11, 1562.	4.1	9
61	A new methodology combining PCR, cloning, and sequencing of clones discriminated by RFLP for the study of microbial populations: application to an UASB reactor sample. Applied Microbiology and Biotechnology, 2010, 85, 801-806.	3.6	8
62	Postgenomic Approaches and Bioinformatics Tools to Advance the Development of Vaccines against Bacteria of the Burkholderia cepacia Complex. Vaccines, 2018, 6, 34.	4.4	8
63	Bacterial Nosocomial Infections: Multidrug Resistance as a Trigger for the Development of Novel Antimicrobials. Antibiotics, 2021, 10, 942.	3.7	8
64	Manipulation of Pseudomonas aeruginosa alginate pathway by varying the level of biosynthetic enzymes and growth temperature. Journal of Applied Bacteriology, 1993, 74, 452-459.	1.1	7
65	Bioinformatics Applications in Life Sciences and Technologies. BioMed Research International, 2016, 2016, 1-2.	1.9	7
66	Comparative Genomics and Evolutionary Analysis of RNA-Binding Proteins of Burkholderia cenocepacia J2315 and Other Members of the B. cepacia Complex. Genes, 2020, 11, 231.	2.4	7
67	Key Parameters on the Antibacterial Activity of Silver Camphor Complexes. Antibiotics, 2021, 10, 135.	3.7	7
68	Burkholderia cepacia Complex Infections Among Cystic Fibrosis Patients: Perspectives and Challenges. , 0, , .		6
69	New insights into the immunoproteome of B. cenocepacia J2315 using serum samples from cystic fibrosis patients. New Biotechnology, 2020, 54, 62-70.	4.4	6
70	Growth-phase-dependent alginate synthesis, activity of biosynthetic enzymes and transcription of alginate genes in. Archives of Microbiology, 1995, 163, 217.	2.2	6
71	Ribotyping of Pseudomonas aeruginosa isolates from patients and water springs and genome fingerprinting of variants concerning mucoidy. FEMS Immunology and Medical Microbiology, 1996, 13, 287-292.	2.7	5
72	Omics and Bioinformatics Approaches to Identify Novel Antigens for Vaccine Investigation and Development. Vaccines, 2020, 8, 653.	4.4	5

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73	Listeria monocytogenes as a Vector for Cancer Immunotherapy. <i>Vaccines</i> , 2020, 8, 439.	4.4	5
74	Impact of UASB reactors operation mode on the removal of estrone and 17 β -ethinylestradiol from wastewaters. <i>Science of the Total Environment</i> , 2021, 764, 144291.	8.0	5
75	Broad Spectrum Functional Activity of Structurally Related Monoanionic Au(III) Bis(Dithiolene) Complexes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7146.	4.1	5
76	New Insights into Antibacterial Compounds: From Synthesis and Discovery to Molecular Mechanisms of Action. <i>Antibiotics</i> , 2020, 9, 471.	3.7	4
77	A Polyclonal Antibody Raised against the Burkholderia cenocepacia OmpA-like Protein BCAL2645 Impairs the Bacterium Adhesion and Invasion of Human Epithelial Cells In Vitro. <i>Biomedicines</i> , 2021, 9, 1788.	3.2	4
78	Synthesis and Characterization of Camphorimine Au(I) Complexes with a Remarkably High Antibacterial Activity towards B. contaminans and P. aeruginosa. <i>Antibiotics</i> , 2021, 10, 1272.	3.7	3
79	MtvR Is a Global Small Noncoding Regulatory RNA in Burkholderia cenocepacia. <i>Journal of Bacteriology</i> , 2013, 195, 3514-3523.	2.2	2
80	Bioinformatics: A Molecular Microbiologist's Perspective. <i>Current Bioinformatics</i> , 2014, 9, 8-17.	1.5	2
81	Differential effects of Th17 cytokines during the response of neutrophils to Burkholderia cenocepacia outer membrane protein A. <i>Central-European Journal of Immunology</i> , 2019, 44, 403-413.	1.2	2
82	Estrogens in wastewaters: Can different operating conditions improve their removal in anaerobic conditions?. <i>Water and Environment Journal</i> , 2022, 36, 399-411.	2.2	2
83	LipNanoCar Technology – A Versatile and Scalable Technology for the Production of Lipid Nanoparticles. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1357, 43-82.	1.6	2
84	Microbial Ecology and Global Health. <i>International Journal of Microbiology</i> , 2011, 2011, 1-2.	2.3	1
85	Activated Sugar Precursors: Biosynthetic Pathways and Biological Roles of an Important Class of Intermediate Metabolites in Bacteria. , 0, , .		1
86	Identification and exploitation of Burkholderia cepacia complex virulence factors as potential antimicrobial targets. , 2011, , .		0
87	A RNomics-based strategy identifies regulatory small RNAs in Burkholderia cepacia complex. , 2011, , .		0