Vasco Ariston de Carvalho Azevedo

List of Publications by Year
in descending order

599 papers	18,811 citations	25034 57 h-index	24982 109 g-index
625 all docs	625 docs citations	625 times ranked	17970 citing authors

#	Article	IF	Citations
1	The complete genome sequence of the Gram-positive bacterium Bacillus subtilis. Nature, 1997, 390, 249-256.	27.8	3,519
2	Functional Characterization of Novel Faecalibacterium prausnitzii Strains Isolated from Healthy Volunteers: A Step Forward in the Use of F. prausnitzii as a Next-Generation Probiotic. Frontiers in Microbiology, 2017, 8, 1226.	3.5	320
3	Corynebacterium pseudotuberculosis: microbiology, biochemical properties, pathogenesis and molecular studies of virulence. Veterinary Research, 2006, 37, 201-218.	3.0	308
4	Swine and Poultry Pathogens: the Complete Genome Sequences of Two Strains ofMycoplasma hyopneumoniaeand a Strain ofMycoplasma synoviae. Journal of Bacteriology, 2005, 187, 5568-5577.	2.2	289
5	Genomic and epidemiological monitoring of yellow fever virus transmission potential. Science, 2018, 361, 894-899.	12.6	279
6	The complete genome sequence of Chromobacterium violaceum reveals remarkable and exploitable bacterial adaptability. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11660-11665.	7.1	251
7	Long-COVID and Post-COVID Health Complications: An Up-to-Date Review on Clinical Conditions and Their Possible Molecular Mechanisms. Viruses, 2021, 13, 700.	3.3	249
8	Protein secretion in Lactococcus lactis : an efficient way to increase the overall heterologous protein production. Microbial Cell Factories, 2005, 4, 2.	4.0	178
9	Two-Component Signal Transduction Systems of Pathogenic Bacteria As Targets for Antimicrobial Therapy: An Overview. Frontiers in Microbiology, 2017, 8, 1878.	3.5	176
10	Microbial Anti-Inflammatory Molecule (MAM) from Faecalibacterium prausnitzii Shows a Protective Effect on DNBS and DSS-Induced Colitis Model in Mice through Inhibition of NF-Î²B Pathway. Frontiers in Microbiology, 2017, 8, 114.	3.5	167
11	Virus-Host Coevolution: Common Patterns of Nucleotide Motif Usage in Flaviviridae and Their Hosts. PLoS ONE, 2009, 4, e6282.	2.5	156
12	Brucella spp noncanonical LPS: structure, biosynthesis, and interaction with host immune system. Microbial Cell Factories, 2006, 5, 13.	4.0	148
13	Heterologous protein production and delivery systems for Lactococcus lactis. Genetics and Molecular Research, 2003, 2, 102-11.	0.2	144
14	Pangenomic Study of Corynebacterium diphtheriae That Provides Insights into the Genomic Diversity of Pathogenic Isolates from Cases of Classical Diphtheria, Endocarditis, and Pneumonia. Journal of Bacteriology, 2012, 194, 3199-3215.	2.2	142
15	Use of superoxide dismutase and catalase producing lactic acid bacteria in TNBS induced Crohn's disease in mice. Journal of Biotechnology, 2011, 151, 287-293.	3.8	141
16	Production and Targeting of theBrucella abortusAntigen L7/L12 inLactococcus lactis: a First Step towards Food-Grade Live Vaccines against Brucellosis. Applied and Environmental Microbiology, 2002, 68, 910-916.	3.1	130
17	GIPSy: Genomic island prediction software. Journal of Biotechnology, 2016, 232, 2-11.	3.8	128
18	Multiplex PCR assay for identification of Corynebacterium pseudotuberculosis from pure cultures and for rapid detection of this pathogen in clinical samples. Journal of Medical Microbiology, 2007, 56, 480-486.	1.8	125

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19	Lactococcus lactis as a live vector: Heterologous protein production and DNA delivery systems. Protein Expression and Purification, 2011, 79, 165-175.	1.3	123
20	Brazilian Microbiome Project: Revealing the Unexplored Microbial Diversityâ€"Challenges and Prospects. Microbial Ecology, 2014, 67, 237-241.	2.8	119
21	In silico subtractive genomics for target identification in human bacterial pathogens. Drug Development Research, 2011, 72, 162-177.	2.9	115
22	Oral administration of a catalase-producing Lactococcus lactis can prevent a chemically induced colon cancer in mice. Journal of Medical Microbiology, 2008, 57, 100-105.	1.8	114
23	Anti-inflammatory effects of Lactococcus lactis NCDO 2118 during the remission period of chemically induced colitis. Gut Pathogens, 2014, 6, 33.	3.4	112
24	Exoproteome and Secretome Derived Broad Spectrum Novel Drug and Vaccine Candidates in Vibrio cholerae Targeted by Piper betel Derived Compounds. PLoS ONE, 2013, 8, e52773.	2.5	95
25	A xylose-inducible expression system forLactococcus lactis. FEMS Microbiology Letters, 2004, 239, 205-212.	1.8	93
26	Lactococcus lactis Expressing either Staphylococcus aureus Fibronectin-Binding Protein A or Listeria monocytogenes Internalin A Can Efficiently Internalize and Deliver DNA in Human Epithelial Cells. Applied and Environmental Microbiology, 2009, 75, 4870-4878.	3.1	93
27	Importance of IL-10 Modulation by Probiotic Microorganisms in Gastrointestinal Inflammatory Diseases. ISRN Gastroenterology, 2011, 2011, 1-11.	1.5	93
28	The Pan-Genome of the Animal Pathogen Corynebacterium pseudotuberculosis Reveals Differences in Genome Plasticity between the Biovar ovis and equi Strains. PLoS ONE, 2013, 8, e53818.	2.5	92
29	Controlled Production of Stable Heterologous Proteins in Lactococcus lactis. Applied and Environmental Microbiology, 2002, 68, 3141-3146.	3.1	89
30	The complete genome sequence of Corynebacterium pseudotuberculosis FRC41 isolated from a 12-year-old girl with necrotizing lymphadenitis reveals insights into gene-regulatory networks contributing to virulence. BMC Genomics, 2010, 11, 728.	2.8	89
31	Diversity of lactic acid bacteria of the bioethanol process. BMC Microbiology, 2010, 10, 298.	3.3	87
32	Comparative analysis of two complete Corynebacterium ulcerans genomes and detection of candidate virulence factors. BMC Genomics, 2011, 12, 383.	2.8	85
33	Clinical Applications of Antimicrobial Peptides (AMPs): Where do we Stand Now?. Protein and Peptide Letters, 2020, 27, 120-134.	0.9	85
34	The organization of the Bacillus subtilis 168 chromosome region between the spoVA and serA genetic loci, based on sequence data. Molecular Microbiology, 1993, 10, 385-395.	2.5	84
35	Oxidative stress in Lactococcus lactis. Genetics and Molecular Research, 2003, 2, 348-59.	0.2	82
36	Insight of Genus Corynebacterium: Ascertaining the Role of Pathogenic and Non-pathogenic Species. Frontiers in Microbiology, 2017, 8, 1937.	3.5	80

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37	Inside the Pan-genome - Methods and Software Overview. Current Genomics, 2015, 16, 245-252.	1.6	79
38	Evaluation of Potential Probiotics Isolated from Human Milk and Colostrum. Probiotics and Antimicrobial Proteins, 2017, 9, 371-379.	3.9	79
39	Cell-surface display of E7 antigen from human papillomavirus type-16 inLactococcus lactisand inLactobacillus plantarumusing a new cell-wall anchor from lactobacilli. Journal of Drug Targeting, 2005, 13, 89-98.	4.4	78
40	Molecular Basis of Virulence in Staphylococcus aureus Mastitis. PLoS ONE, 2011, 6, e27354.	2.5	77
41	Hsp65-producing Lactococcus lactis prevents experimental autoimmune encephalomyelitis in mice by inducing CD4+LAP+ regulatory T cells. Journal of Autoimmunity, 2013, 40, 45-57.	6.5	76
42	Evidence for Reductive Genome Evolution and Lateral Acquisition of Virulence Functions in Two Corynebacterium pseudotuberculosis Strains. PLoS ONE, 2011, 6, e18551.	2.5	75
43	Genomic, epidemiological and digital surveillance of Chikungunya virus in the Brazilian Amazon. PLoS Neglected Tropical Diseases, 2019, 13, e0007065.	3.0	75
44	Mucosal targeting of therapeutic molecules using genetically modified lactic acid bacteria: an update. FEMS Microbiology Letters, 2013, 344, 1-9.	1.8	73
45	High seroprevalence of caseous lymphadenitis in Brazilian goat herds revealed by Corynebacterium pseudotuberculosis secreted proteins-based ELISA. Research in Veterinary Science, 2010, 88, 50-55.	1.9	71
46	New Insights into the Diversity of the Genus Faecalibacterium. Frontiers in Microbiology, 2017, 8, 1790.	3.5	71
47	Multi-omics-based identification of SARS-CoV-2 infection biology and candidate drugs against COVID-19. Computers in Biology and Medicine, 2020, 126, 104051.	7.0	71
48	PIPS: Pathogenicity Island Prediction Software. PLoS ONE, 2012, 7, e30848.	2.5	70
49	Use of Wild Type or Recombinant Lactic Acid Bacteria as an Alternative Treatment for Gastrointestinal Inflammatory Diseases: A Focus on Inflammatory Bowel Diseases and Mucositis. Frontiers in Microbiology, 2017, 8, 800.	3.5	69
50	Internalin-expressing Lactococcus lactis is able to invade small intestine of guinea pigs and deliver DNA into mammalian epithelial cells. Microbes and Infection, 2005, 7, 836-844.	1.9	68
51	Anti-inflammatory properties of dairy lactobacilli. Inflammatory Bowel Diseases, 2012, 18, 657-666.	1.9	68
52	Immunoinformatics Design of Multi-Epitope Peptide-Based Vaccine Against Schistosoma mansoni Using Transmembrane Proteins as a Target. Frontiers in Immunology, 2021, 12, 621706.	4.8	67
53	Metagenomic evidence for the presence of phototrophic <scp>G</scp>emmatimonadetes bacteria in diverse environments. Environmental Microbiology Reports, 2016, 8, 139-149.	2.4	66
54	Comparative mangrove metagenome reveals global prevalence of heavy metals and antibiotic resistome across different ecosystems. Scientific Reports, 2018, 8, 11187.	3.3	63

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55	CoryneRegNet 6.0--Updated database content, new analysis methods and novel features focusing on community demands. Nucleic Acids Research, 2012, 40, D610-D614.	14.5	62
56	High-level resistance to oxidative stress in Lactococcus lactis conferred by Bacillus subtilis catalase KatE. Microbiology (United Kingdom), 2005, 151, 3011-3018.	1.8	61
57	An ordered collection of Bacillus subtilis DNA segments cloned in yeast artificial chromosomes.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 6047-6051.	7.1	60
58	The Schistosoma gene discovery program: state of the art. International Journal for Parasitology, 2000, 30, 453-463.	3.1	60
59	Genome Sequence of Exiguobacterium antarcticum B7, Isolated from a Biofilm in Ginger Lake, King George Island, Antarctica. Journal of Bacteriology, 2012, 194, 6689-6690.	2.2	60
60	Bacillus subtilis can modulate its capacity and specificity for protein secretion through temporally controlled expression of the sipS gene for signal peptidase I. Molecular Microbiology, 1996, 22, 605-618.	2.5	59
61	KeyPathwayMiner 4.0: condition-specific pathway analysis by combining multiple omics studies and networks with Cytoscape. BMC Systems Biology, 2014, 8, 99.	3.0	59
62	Lack of Endogenous IL-10 Enhances Production of Proinflammatory Cytokines and Leads to Brucella abortus Clearance in Mice. PLoS ONE, 2013, 8, e74729.	2.5	59
63	Review Application of RNA-seq to reveal the transcript profile in bacteria. Genetics and Molecular Research, 2011, 10, 1707-1718.	0.2	58
64	Use of Native Lactococci as Vehicles for Delivery of DNA into Mammalian Epithelial Cells. Applied and Environmental Microbiology, 2006, 72, 7091-7097.	3.1	57
65	Anti-cancer effect of lactic acid bacteria expressing antioxidant enzymes or IL-10 in a colorectal cancer mouse model. International Immunopharmacology, 2017, 42, 122-129.	3.8	57
66	BARHL1 Is Downregulated in Alzheimerâ€™s Disease and May Regulate Cognitive Functions through ESR1 and Multiple Pathways. Genes, 2017, 8, 245.	2.4	57
67	Possible Benefits of Faecalibacterium prausnitzii for Obesity-Associated Gut Disorders. Frontiers in Pharmacology, 2021, 12, 740636.	3.5	57
68	Current Review of Genetically Modified Lactic Acid Bacteria for the Prevention and Treatment of Colitis Using Murine Models. Gastroenterology Research and Practice, 2015, 2015, 1-8.	1.5	55
69	Staphylococcus aureus Extracellular Vesicles Elicit an Immunostimulatory Response in vivo on the Murine Mammary Gland. Frontiers in Cellular and Infection Microbiology, 2018, 8, 277.	3.9	54
70	Applications of Silver Nanoparticles in Dentistry: Advances and Technological Innovation. International Journal of Molecular Sciences, 2021, 22, 2485.	4.1	54
71	A combined approach for comparative exoproteome analysis of Corynebacterium pseudotuberculosis. BMC Microbiology, 2011, 11, 12.	3.3	52
72	Three-phase partitioning as an efficient method for extraction/concentration of immunoreactive excretedâ€“secreted proteins of Corynebacterium pseudotuberculosis. Protein Expression and Purification, 2004, 34, 311-316.	1.3	51

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73	Secretion of biologically active pancreatitis-associated protein I (PAP) by genetically modified dairy Lactococcus lactis NZ9000 in the prevention of intestinal mucositis. Microbial Cell Factories, 2017, 16, 27.	4.0	51
74	Analyses of the probiotic property and stress resistance-related genes of Lactococcus lactis subsp. lactis NCDO 2118 through comparative genomics and in vitro assays. PLoS ONE, 2017, 12, e0175116.	2.5	51
75	Molecular and immunological characterisation of recombinant Brucella abortus glyceraldehyde-3-phosphate-dehydrogenase, a T- and B-cell reactive protein that induces partial protection when co-administered with an interleukin-12-expressing plasmid in a DNA vaccine formulation. Journal of Medical Microbiology, 2002, 51, 661-671.	1.8	51
76	Implications of the human microbiome in inflammatory bowel diseases. FEMS Microbiology Letters, 2013, 342, 10-17.	1.8	50
77	Searching for signatures across microbial communities: Metagenomic analysis of soil samples from mangrove and other ecosystems. Scientific Reports, 2017, 7, 8859.	3.3	50
78	Hsp65-Producing Lactococcus lactis Prevents Inflammatory Intestinal Disease in Mice by IL-10- and TLR2-Dependent Pathways. Frontiers in Immunology, 2017, 8, 30.	4.8	50
79	Induction of a Th1-type of immune response but not protective immunity by intramuscular DNA immunisation with Brucella abortus GroEL heat-shock gene. Journal of Medical Microbiology, 2002, 51, 20-26.	1.8	50
80	Antigens ofCorynebacterium pseudotuberculosisand prospects for vaccine development. Expert Review of Vaccines, 2009, 8, 205-213.	4.4	48
81	A Novel Comparative Genomics Analysis for Common Drug and Vaccine Targets in Corynebacterium pseudotuberculosis and other CMN Group of Human Pathogens. Chemical Biology and Drug Design, 2011, 78, 73-84.	3.2	48
82	Extractable Bacterial Surface Proteins in Probioticâ€“Host Interaction. Frontiers in Microbiology, 2018, 9, 645.	3.5	48
83	Evaluation of cDNA Libraries from Different Developmental Stages of Schistosoma mansoni for Production of Expressed Sequence Tags (ESTs). DNA Research, 1997, 4, 231-240.	3.4	47
84	Efficient production and secretion of bovine Î²-lactoglobulin by Lactobacillus casei. Microbial Cell Factories, 2007, 6, 12.	4.0	47
85	Pan-Genome Analysis of Human Gastric PathogenH. pylori: Comparative Genomics and Pathogenomics Approaches to Identify Regions Associated with Pathogenicity and Prediction of Potential Core Therapeutic Targets. BioMed Research International, 2015, 2015, 1-17.	1.9	47
86	The Bacillus subtilis chromosome region encoding homologues of the Escherichia coli mssA and rpsA gene products. Microbiology (United Kingdom), 1995, 141, 311-319.	1.8	46
87	A new plasmid vector for DNA delivery using lactococci. Genetic Vaccines and Therapy, 2009, 7, 4.	1.5	45
88	Complete Genome Sequence of Corynebacterium pseudotuberculosis I19, a Strain Isolated from a Cow in Israel with Bovine Mastitis. Journal of Bacteriology, 2011, 193, 323-324.	2.2	45
89	Host Susceptibility toBrucella abortusInfection Is More Pronounced in IFN-Î³knockout than IL-12/Î²2-Microglobulin Double-Deficient Mice. Clinical and Developmental Immunology, 2012, 2012, 1-7.	3.3	45
90	Local and Systemic Immune Mechanisms Underlying the Anti-Colitis Effects of the Dairy Bacterium Lactobacillus delbrueckii. PLoS ONE, 2014, 9, e85923.	2.5	45

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91	Differential transcriptional profile of Corynebacterium pseudotuberculosis in response to abiotic stresses. BMC Genomics, 2014, 15, 14.	2.8	45
92	Propionibacterium freudenreichii Surface Protein SlpB Is Involved in Adhesion to Intestinal HT-29 Cells. Frontiers in Microbiology, 2017, 8, 1033.	3.5	45
93	Extracellular Vesicles Produced by the Probiotic Propionibacterium freudenreichii CIRM-BIA 129 Mitigate Inflammation by Modulating the NF-Î°B Pathway. Frontiers in Microbiology, 2020, 11, 1544.	3.5	45
94	Extracellular vesicles produced by human and animal Staphylococcus aureus strains share a highly conserved core proteome. Scientific Reports, 2020, 10, 8467.	3.3	45
95	Analysis of the gene expression profile of Schistosoma mansoni cercariae using the expressed sequence tag approach. Molecular and Biochemical Parasitology, 1999, 103, 79-97.	1.1	44
96	Construction and characterization of a Lactococcus lactis strain deficient in intracellular ClpP and extracellular HtrA proteases. Microbiology (United Kingdom), 2006, 152, 2611-2618.	1.8	44
97	A computational method for the identification of Dengue, Zika and Chikungunya virus species and genotypes. PLoS Neglected Tropical Diseases, 2019, 13, e0007231.	3.0	44
98	First detection of Corynebacterium ulcerans producing a diphtheria-like toxin in a case of human with pulmonary infection in the Rio de Janeiro metropolitan area, Brazil. Memorias Do Instituto Oswaldo Cruz, 2008, 103, 396-400.	1.6	42
99	Reverse vaccinology and subtractive genomics reveal new therapeutic targets against Mycoplasma pneumoniae : a causative agent of pneumonia. Royal Society Open Science, 2019, 6, 190907.	2.4	42
100	Anticancer and Antiviral Properties of Cardiac Glycosides: A Review to Explore the Mechanism of Actions. Molecules, 2020, 25, 3596.	3.8	42
101	A novel strategy of epitope design in Neisseria gonorrhoeae. Bioinformation, 2010, 5, 77-82.	0.5	42
102	Intranasal immunisation with recombinant Lactococcus lactis displaying either anchored or secreted forms of Proteus mirabilis MrpA fimbrial protein confers specific immune response and induces a significant reduction of kidney bacterial colonisation in mice. Microbes and Infection, 2007, 9, 821-828.	1.9	41
103	Genome sequence of Corynebacterium pseudotuberculosis biovar equi strain 258 and prediction of antigenic targets to improve biotechnological vaccine production. Journal of Biotechnology, 2013, 167, 135-141.	3.8	41
104	DNA Vaccines Approach: From Concepts to Applications. World Journal of Vaccines, 2014, 04, 50-71.	0.8	41
105	Identification and Characterization of a Brucella abortus ATP-Binding Cassette Transporter Homolog to Rhizobium meliloti ExsA and Its Role in Virulence and Protection in Mice. Infection and Immunity, 2002, 70, 5036-5044.	2.2	40
106	Induction of Partial Protection in Mice after Oral Administration ofLactococcus lactisProducingBrucella abortusL7/L12 Antigen. Journal of Drug Targeting, 2003, 11, 489-493.	4.4	40
107	Rapid hybrid de novo assembly of a microbial genome using only short reads: Corynebacterium pseudotuberculosis I19 as a case study. Journal of Microbiological Methods, 2011, 86, 218-223.	1.6	40
108	Lactococcus lactiscarrying the pValac DNA expression vector coding for IL-10 reduces inflammation in a murine model of experimental colitis. BMC Biotechnology, 2014, 14, 73.	3.3	40

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109	Probiotics, Prebiotics, Synbiotics, and Paraprobiotics as a Therapeutic Alternative for Intestinal Mucositis. Frontiers in Microbiology, 2020, 11, 544490.	3.5	40
110	Chromobacterium violaceum genome: molecular mechanisms associated with pathogenicity. Genetics and Molecular Research, 2004, 3, 148-61.	0.2	40
111	Lipidomic Analysis Reveals Serum Alteration of Plasmalogens in Patients Infected With ZIKA Virus. Frontiers in Microbiology, 2019, 10, 753.	3.5	39
112	Development of serological proteome analysis of mastitis by Staphylococcus aureus in ewes. Journal of Microbiological Methods, 2009, 79, 131-136.	1.6	38
113	Potential chimeric peptides to block the SARS-CoV-2 spike receptor-binding domain. F1000Research, 2020, 9, 576.	1.6	38
114	Dematiaceous fungal pathogens: analysis of ribosomal DNA gene polymorphism by polymerase chain reaction-restriction fragment length polymorphism. Mycoses, 1999, 42, 609-614.	4.0	37
115	An intranasal administration of Lactococcus lactis strains expressing recombinant interleukinâ€10 modulates acute allergic airway inflammation in a murine model. Clinical and Experimental Allergy, 2010, 40, 1541-1551.	2.9	37
116	TheBrucella abortusPhosphoglycerate Kinase Mutant Is Highly Attenuated and Induces Protection Superior to That of Vaccine Strain 19 in Immunocompromised and Immunocompetent Mice. Infection and Immunity, 2010, 78, 2283-2291.	2.2	37
117	An In Silico Identification of Common Putative Vaccine Candidates against Treponema pallidum: A Reverse Vaccinology and Subtractive Genomics Based Approach. International Journal of Molecular Sciences, 2017, 18, 402.	4.1	37
118	Protective effect of Lactobacillus delbrueckii subsp. Lactis CIDCA 133 in a model of 5 Fluorouracil-Induced intestinal mucositis. Journal of Functional Foods, 2019, 53, 197-207.	3.4	37
119	Experimental Corynebacterium pseudotuberculosis primary infection in goats: kinetics of IgG and interferon-Î³ production, IgG avidity and antigen recognition by Western blotting. Veterinary Immunology and Immunopathology, 2003, 96, 129-139.	1.2	36
120	Gut microbiome modulation during treatment of mucositis with the dairy bacterium Lactococcus lactis and recombinant strain secreting human antimicrobial PAP. Scientific Reports, 2018, 8, 15072.	3.3	36
121	Corynebacterium ulceransIsolated from an Asymptomatic Dog Kept in an Animal Shelter in the Metropolitan Area of Rio de Janeiro, Brazil. Vector-Borne and Zoonotic Diseases, 2010, 10, 743-748.	1.5	35
122	Evaluation of the Anti-Inflammatory Effect of Milk Fermented by a Strain of IL-10-Producing Lactococcus lactis Using a Murine Model of Crohnâ€™s Disease. Journal of Molecular Microbiology and Biotechnology, 2011, 21, 138-146.	1.0	35
123	In vitro and in vivo characterization of DNA delivery using recombinant Lactococcus lactis expressing a mutated form of L. monocytogenes Internalin A. BMC Microbiology, 2012, 12, 299.	3.3	35
124	Protective Effects of Lactococci Strains Delivering Either IL-10 Protein or cDNA in a TNBS-induced Chronic Colitis Model. Journal of Clinical Gastroenterology, 2014, 48, S12-S17.	2.2	35
125	An integrative in-silico approach for therapeutic target identification in the human pathogen Corynebacterium diphtheriae. PLoS ONE, 2017, 12, e0186401.	2.5	35
126	Co-culturing fructophilic lactic acid bacteria and yeast enhanced sugar metabolism and aroma formation during cocoa beans fermentation. International Journal of Food Microbiology, 2021, 339, 109015.	4.7	35

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127	Production of Fibronectin Binding Protein A at the Surface of Lactococcus lactis Increases Plasmid Transfer In Vitro and In Vivo. PLoS ONE, 2012, 7, e44892.	2.5	35
128	Caseous lymphadenitis in sheep flocks of the state of Minas Gerais, Brazil: Prevalence and management surveys. Small Ruminant Research, 2009, 87, 86-91.	1.2	34
129	Fine-tuned characterization of Staphylococcus aureus Newbould 305, a strain associated with mild and chronic mastitis in bovines. Veterinary Research, 2014, 45, 106.	3.0	34
130	Multi-epitope based vaccine against yellow fever virus applying immunoinformatics approaches. Journal of Biomolecular Structure and Dynamics, 2021, 39, 219-235.	3.5	34
131	Probiotic Propionibacterium freudenreichii requires SlpB protein to mitigate mucositis induced by chemotherapy. Oncotarget, 2019, 10, 7198-7219.	1.8	34
132	Molecular characterisation of Staphylococcus aureus strains isolated from small and large ruminants reveals a host rather than tissue specificity. Veterinary Microbiology, 2009, 137, 190-195.	1.9	33
133	Complete genome sequence of Streptococcus agalactiae strain SA20-06, a fish pathogen associated to meningoencephalitis outbreaks. Standards in Genomic Sciences, 2013, 8, 188-197.	1.5	33
134	Multiplex polymerase chain reaction to identify and determine the toxigenicity of Corynebacterium spp with zoonotic potential and an overview of human and animal infections. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 272-279.	1.6	33
135	Staphylococcus aureus-Induced G2/M Phase Transition Delay in Host Epithelial Cells Increases Bacterial Infective Efficiency. PLoS ONE, 2013, 8, e63279.	2.5	33
136	Lactococcus lactis carrying the pValac eukaryotic expression vector coding for IL-4 reduces chemically-induced intestinal inflammation by increasing the levels of IL-10-producing regulatory cells. Microbial Cell Factories, 2016, 15, 150.	4.0	33
137	The transcriptional organization of the Bacillus subtilis 168 chromosome region between the spoVAF and serA genetic loci. Molecular Microbiology, 1993, 10, 397-405.	2.5	32
138	Sequence analysis of the Bacillus subtilis chromosome region between the serA and kdg loci cloned in a yeast artificial chromosome. Microbiology (United Kingdom), 1996, 142, 2005-2016.	1.8	32
139	Campylobacter fetus subspecies: Comparative genomics and prediction of potential virulence targets. Gene, 2012, 508, 145-156.	2.2	32
140	Immunotherapy of allergic diseases using probiotics or recombinant probiotics. Journal of Applied Microbiology, 2013, 115, 319-333.	3.1	32
141	The Detection and Sequencing of a Broad-Host-Range Conjugative IncP-1Î² Plasmid in an Epidemic Strain of Mycobacterium abscessus subsp. bolletii. PLoS ONE, 2013, 8, e60746.	2.5	32
142	An improved interolog mapping-based computational prediction of proteinâ€“protein interactions with increased network coverage. Integrative Biology (United Kingdom), 2014, 6, 1080-1087.	1.3	32
143	Characterization of DIP0733, a multi-functional virulence factor of Corynebacterium diphtheriae. Microbiology (United Kingdom), 2015, 161, 639-647.	1.8	32
144	Heterogeneous Family of Cyclomodulins: Smart Weapons That Allow Bacteria to Hijack the Eukaryotic Cell Cycle and Promote Infections. Frontiers in Cellular and Infection Microbiology, 2017, 7, 208.	3.9	32

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145	Immunological properties of gene vaccines delivered by different routes. Brazilian Journal of Medical and Biological Research, 1999, 32, 207-214.	1.5	31
146	Corynebacterium diphtheriae 67-72p hemagglutinin, characterized as the protein DIP0733, contributes to invasion and induction of apoptosis in HEp-2 cells. Microbial Pathogenesis, 2012, 52, 165-176.	2.9	31
147	Oral immunization with Lactococcus lactis secreting attenuated recombinant staphylococcal enterotoxin B induces a protective immune response in a murine model. Microbial Cell Factories, 2013, 12, 32.	4.0	31
148	Genome Sequence of Lactococcus lactis subsp. lactis NCDO 2118, a GABA-Producing Strain. Genome Announcements, 2014, 2, .	0.8	31
149	Whey Protein Isolate-Supplemented Beverage, Fermented by Lactobacillus casei BL23 and Propionibacterium freudenreichii 138, in the Prevention of Mucositis in Mice. Frontiers in Microbiology, 2018, 9, 2035.	3.5	31
150	Pan-genomic approach shows insight of genetic divergence and pathogenic-adaptation of Pasteurella multocida. Gene, 2018, 670, 193-206.	2.2	31
151	Prediction of new vaccine targets in the core genome of Corynebacterium pseudotuberculosis through omics approaches and reverse vaccinology. Gene, 2019, 702, 36-45.	2.2	31
152	Novel Strategies for Efficient Production and Delivery of Live Biotherapeutics and Biotechnological Uses of Lactococcus lactis: The Lactic Acid Bacterium Model. Frontiers in Bioengineering and Biotechnology, 2020, 8, 517166.	4.1	31
153	Performance Comparison of Deep Learning Autoencoders for Cancer Subtype Detection Using Multi-Omics Data. Cancers, 2021, 13, 2013.	3.7	31
154	High sero-prevalence of caseous lymphadenitis identified in slaughterhouse samples as a consequence of deficiencies in sheep farm management in the state of Minas Gerais, Brazil. BMC Veterinary Research, 2011, 7, 68.	1.9	30
155	Development of an indirect ELISA to detect Corynebacterium pseudotuberculosis specific antibodies in sheep employing T1 strain culture supernatant as antigen. Pesquisa Veterinaria Brasileira, 2013, 33, 1296-1302.	0.5	30
156	Evaluation of ERIC-PCR as Genotyping Method for Corynebacterium pseudotuberculosis Isolates. PLoS ONE, 2014, 9, e98758.	2.5	30
157	Proteome scale comparative modeling for conserved drug and vaccine targets identification in Corynebacterium pseudotuberculosis. BMC Genomics, 2014, 15, S3.	2.8	30
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