

# Jeverson Frazzon

## List of Publications by Year in descending order

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84  
papers

2,784  
citations

257357

24  
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189801

50  
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88  
all docs

88  
docs citations

88  
times ranked

2571  
citing authors

#	ARTICLE	IF	CITATIONS
1	IscU as a Scaffold for Iron-Sulfur Cluster Biosynthesis: A Sequential Assembly of [2Fe-2S] and [4Fe-4S] Clusters in IscU. <i>Biochemistry</i> , 2000, 39, 7856-7862.	1.2	419
2	IscA, an Alternate Scaffold for Fe-S Cluster Biosynthesis. <i>Biochemistry</i> , 2001, 40, 14069-14080.	1.2	233
3	Formation of iron-sulfur clusters in bacteria: an emerging field in bioinorganic chemistry. <i>Current Opinion in Chemical Biology</i> , 2003, 7, 166-173.	2.8	217
4	Sulfur Transfer from IscS to IscU: The First Step in Iron-Sulfur Cluster Biosynthesis. <i>Journal of the American Chemical Society</i> , 2001, 123, 11103-11104.	6.6	179
5	NifS-Mediated Assembly of [4Fe-4S] Clusters in the N- and C-Terminal Domains of the NifU Scaffold Protein. <i>Biochemistry</i> , 2005, 44, 12955-12969.	1.2	131
6	Iron-Sulfur Cluster Assembly. <i>Journal of Biological Chemistry</i> , 2004, 279, 19705-19711.	1.6	125
7	Biosynthesis of iron-sulphur clusters is a complex and highly conserved process. <i>Biochemical Society Transactions</i> , 2002, 30, 680-685.	1.6	107
8	Chloroplast HCF101 is a scaffold protein for [4Fe-4S] cluster assembly. <i>Biochemical Journal</i> , 2010, 425, 207-218.	1.7	77
9	Molecular detection of virulence factors among food and clinical <i>Enterococcus faecalis</i> strains in South Brazil. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 327-332.	0.8	75
10	Reference Genes for the Normalization of Gene Expression in Eucalyptus Species. <i>Plant and Cell Physiology</i> , 2012, 53, 405-422.	1.5	69
11	Simultaneous identification of low-molecular weight phenolic and nitrogen compounds in craft beers by HPLC-ESI-MS/MS. <i>Food Chemistry</i> , 2019, 286, 113-122.	4.2	58
12	Functional analysis of Arabidopsis genes involved in mitochondrial iron-sulfur cluster assembly. <i>Plant Molecular Biology</i> , 2007, 64, 225-240.	2.0	55
13	Ionic liquid-cellulose film for enzyme immobilization. <i>Process Biochemistry</i> , 2011, 46, 1375-1379.	1.8	47
14	Structural studies of the <i>Enterococcus faecalis</i> SufU [Fe-S] cluster protein. <i>BMC Biochemistry</i> , 2009, 10, 3.	4.4	44
15	Structure of chorismate synthase from <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural Biology</i> , 2006, 154, 130-143.	1.3	41
16	Resistance to antimicrobial agents among enterococci isolated from fecal samples of wild marine species in the southern coast of Brazil. <i>Marine Pollution Bulletin</i> , 2016, 105, 51-57.	2.3	41
17	Antimicrobial resistance profile of <i>Enterococcus</i> spp isolated from food in Southern Brazil. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 125-128.	0.8	39
18	Role of conserved cysteines in mediating sulfur transfer from IscS to IscU. <i>FEBS Letters</i> , 2005, 579, 5236-5240.	1.3	38

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19	Prevalence of antimicrobial resistance and molecular characterization of tetracycline resistance mediated by tet(M) and tet(L) genes in Enterococcus spp. isolated from food in Southern Brazil. World Journal of Microbiology and Biotechnology, 2010, 26, 365-370.	1.7	36
20	Coagulase-Positive Staphylococci Isolated from Chicken Meat: Pathogenic Potential and Vancomycin Resistance. Foodborne Pathogens and Disease, 2013, 10, 771-776.	0.8	30
21	Antimicrobial resistance and virulence factor gene profiles of Enterococcus spp. isolates from wild Arctocephalus australis (South American fur seal) and Arctocephalus tropicalis (Subantarctic fur) Tj ETQq1 1 0.784314 rgBT /Overlock 19	1.0	29
22	Feedback regulation of iron-sulfur cluster biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 14751-14753.	3.3	28
23	Biofilm formation on polystyrene under different temperatures by antibiotic resistant Enterococcus faecalis and Enterococcus faecium isolated from food. Brazilian Journal of Microbiology, 2013, 44, 423-426.	0.8	27
24	Antimicrobial Resistance Profiles in Enterococcus spp. Isolates From Fecal Samples of Wild and Captive Black Capuchin Monkeys (Sapajus nigritus) in South Brazil. Frontiers in Microbiology, 2018, 9, 2366.	1.5	27
25	Functional Characterization by Genetic Complementation of aroB -Encoded Dehydroquinate Synthase from Mycobacterium tuberculosis H37Rv and Its Heterologous Expression and Purification. Journal of Bacteriology, 2007, 189, 6246-6252.	1.0	23
26	Characterization and Transcriptional Profile of Genes Involved in Glycoalkaloid Biosynthesis in New Varieties of Solanum tuberosum L.. Journal of Agricultural and Food Chemistry, 2016, 64, 988-996.	2.4	23
27	Comparison between a commercial blend of functional oils and monensin on the performance and microbiota of coccidiosis-challenged broilers. Poultry Science, 2019, 98, 5456-5464.	1.5	22
28	Effect of functional oils on the immune response of broilers challenged with Eimeria spp.. Animal, 2019, 13, 2190-2198.	1.3	22
29	The Mycobacterium tuberculosis Rv2540c DNA sequence encodes a bifunctional chorismate synthase. BMC Biochemistry, 2008, 9, 13.	4.4	20
30	Enterococcus faecalis SufU scaffold protein enhances SufS desulfurase activity by acquiring sulfur from its cysteine-153. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1910-1918.	1.1	20
31	Changes in the ceca microbiota of broilers vaccinated for coccidiosis or supplemented with salinomycin. Poultry Science, 2021, 100, 100969.	1.5	20
32	DAHP synthase from Mycobacterium tuberculosis H37Rv: cloning, expression, and purification of functional enzyme. Protein Expression and Purification, 2005, 40, 23-30.	0.6	19
33	Selection of Reference Genes for Transcriptional Analysis of Edible Tubers of Potato (Solanum) Tj ETQq1 1 0.784314 rgBT /Overlock 19	1.1	19
34	Biosynthesis of the nitrogenase iron-molybdenum-cofactor from Azotobacter vinelandii. Metal Ions in Biological Systems, 2002, 39, 163-86.	0.4	19
35	Prevalence of enterotoxin-encoding genes and antimicrobial resistance in coagulase-negative and coagulase-positive Staphylococcus isolates from black pudding. Revista Da Sociedade Brasileira De Medicina Tropical, 2012, 45, 579-585.	0.4	18
36	Sequencing and complementation analysis of thenifUSV genes fromAzospirillum brasilense. FEMS Microbiology Letters, 1998, 159, 151-158.	0.7	17

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37	Detection of vanC 1 gene transcription in vancomycin-susceptible <i>Enterococcus faecalis</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 453-456.	0.8	17
38	Comparative Genomics Supports That Brazilian Bioethanol <i>Saccharomyces cerevisiae</i> Comprise a Unified Group of Domesticated Strains Related to Cachaça Spirit Yeasts. <i>Frontiers in Microbiology</i> , 2021, 12, 644089.	1.5	16
39	Characterization of an <i>Azospirillum brasilense</i> Tn5 mutant with enhanced N <sub>2</sub> fixation: the effect of ORF280 on nifH expression. <i>FEMS Microbiology Letters</i> , 2000, 183, 23-29.	0.7	15
40	<i>Enterococcus faecalis</i> <i>su</i> fCDSUB $\beta$ complements <i>Escherichia coli</i> $\Delta$ su $\beta$ ABCDSE. <i>FEMS Microbiology Letters</i> , 2011, 320, 15-24.	0.7	15
41	Species distribution and antimicrobial susceptibility of enterococci isolated from broilers infected experimentally with <i>Eimeria</i> spp and fed with diets containing different supplements. <i>Brazilian Journal of Microbiology</i> , 2011, 42, 480-488.	0.8	14
42	Transcriptional analysis of genes related to biofilm formation, stress-response, and virulence in <i>Listeria monocytogenes</i> strains grown at different temperatures. <i>Annals of Microbiology</i> , 2014, 64, 1707-1714.	1.1	14
43	<i>Enterococcus</i> species diversity in fecal samples of wild marine species as determined by real-time PCR. <i>Canadian Journal of Microbiology</i> , 2017, 63, 129-136.	0.8	14
44	Effect of freeze-dried kombucha culture on microbial composition and assessment of metabolic dynamics during fermentation. <i>Food Microbiology</i> , 2022, 101, 103889.	2.1	14
45	Phenotypic and genotypic heterogeneity of <i>Enterococcus</i> species isolated from food in Southern Brazil. <i>Journal of Basic Microbiology</i> , 2008, 48, 31-37.	1.8	13
46	Antimicrobial resistance and investigation of the molecular epidemiology of <i>Listeria monocytogenes</i> in dairy products. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2010, 43, 382-385.	0.4	12
47	Influence of a subinhibitory concentration of vancomycin on the in vitro expression of virulence-related genes in the vancomycin-resistant <i>Enterococcus faecalis</i> . <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2015, 48, 617-621.	0.4	12
48	Characterization of the faecal bacterial community of wild young South American ( <i>Arctocephalus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Ecology, 2016, 92, fiw029.	1.3	12
49	Antimicrobial and antibiofilm activity of the essential oil from dried leaves of <i>Eucalyptus staigeriana</i> . <i>Arquivos Do Instituto Biologico</i> , 0, 86, .	0.4	12
50	Differential expression of cysteine desulfurases in soybean. <i>BMC Plant Biology</i> , 2011, 11, 166.	1.6	11
51	Multidrug Resistance in Enterococci Isolated From Wild Pampas Foxes ( <i>Lycalopex gymnocercus</i> ) and Geoffroy's Cats ( <i>Leopardus geoffroyi</i> ) in the Brazilian Pampa Biome. <i>Frontiers in Veterinary Science</i> , 2020, 7, 606377.	0.9	11
52	Genome Mining for Antimicrobial Compounds in Wild Marine Animals-Associated Enterococci. <i>Marine Drugs</i> , 2021, 19, 328.	2.2	11
53	Molecular characterization of the bacterial communities present in sheep's milk and cheese produced in South Brazilian Region via 16S rRNA gene metabarcoding sequencing. <i>LWT - Food Science and Technology</i> , 2021, 147, 111579.	2.5	11
54	Comparative transcriptomic analysis of <i>Listeria monocytogenes</i> reveals upregulation of stress genes and downregulation of virulence genes in response to essential oil extracted from <i>Baccharis psiadioides</i> . <i>Annals of Microbiology</i> , 2017, 67, 479-490.	1.1	10

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55	Oxidative stress enhances the expression of sulfur assimilation genes: preliminary insights on the <i>Enterococcus faecalis</i> iron-sulfur cluster machinery regulation. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2014, 109, 408-413.	0.8	9
56	Antimicrobial resistance profile of <i>Enterococcus</i> spp isolated from food in Southern Brazil. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 125-8.	0.8	9
57	Crystallization and preliminary X-ray crystallographic analysis of chorismate synthase from <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 2003-2005.	2.5	8
58	Evaluating <i>Sardinella brasiliensis</i> quality indicators through the quantification of histamine and bacterial communities. <i>Heliyon</i> , 2020, 6, e04461.	1.4	8
59	Antimicrobial resistance and genetic relationships of enterococci from siblings and non-siblings <i>Heliconius erato phyllis</i> caterpillars. <i>PeerJ</i> , 2020, 8, e8647.	0.9	8
60	Biogenesis of [Fe-S] cluster in Firmicutes: an unexploited field of investigation. <i>Antonie Van Leeuwenhoek</i> , 2013, 104, 283-300.	0.7	7
61	Evaluation of green extraction methods on bioactive compounds and antioxidant capacity from <i>Bougainvillea glabra</i> bracts. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 19, 100362.	1.6	7
62	Molecular analysis of the <i>iap</i> gene of <i>Listeria monocytogenes</i> isolated from cheeses in Rio Grande do Sul, Brazil. <i>Brazilian Journal of Microbiology</i> , 2008, 39, 169-172.	0.8	7
63	Species distribution and antimicrobial susceptibility of enterococci isolated from broilers infected experimentally with <i>Eimeria</i> spp and fed with diets containing different supplements. <i>Brazilian Journal of Microbiology</i> , 2011, 42, 480-8.	0.8	7
64	PCR-RFLP of 16S ribosomal DNA to confirm the identification of <i>Enterococcus gallinarum</i> and <i>Enterococcus casseliflavus</i> isolated from clinical and food samples. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2010, 43, 100-101.	0.4	6
65	Assessing the quality of fresh Whitemouth croaker ( <i>Micropogonias furnieri</i> ) meat based on microorganism and histamine analysis using NGS, qPCR and HPLC-AD. <i>Journal of Applied Microbiology</i> , 2020, 128, 1448-1459.	1.4	6
66	The Effect of co-Fermentation on Sourdough Breadmaking using Different Viable Cell Concentrations of <i>Lactobacillus plantarum</i> and <i>Saccharomyces cerevisiae</i> as Starter Cultures. <i>Journal of Culinary Science and Technology</i> , 2021, 19, 1-17.	0.6	6
67	Fecal bacterial communities of wild black capuchin monkeys ( <i>Sapajus nigritus</i> ) from the Atlantic Forest biome in Southern Brazil are divergent from those of other non-human primates. <i>Current Research in Microbial Sciences</i> , 2021, 2, 100048.	1.4	6
68	Virulência e formação de biofilme microbiano por <i>Enterococcus faecalis</i> isolados de swabs cloacais de frangos de corte infectados com <i>Eimeria</i> spp. <i>Pesquisa Veterinaria Brasileira</i> , 2013, 33, 1433-1440.	0.5	5
69	Sanitary quality, occurrence and identification of <i>Staphylococcus</i> sp: in food services. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 1031-1037.	0.8	5
70	Frequency of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPRs) in non-clinical <i>Enterococcus faecalis</i> and <i>Enterococcus faecium</i> strains. <i>Brazilian Journal of Biology</i> , 2019, 79, 460-465.	0.4	5
71	Enterococci from Wild Magellanic Penguins ( <i>Spheniscus magellanicus</i> ) as an Indicator of Marine Ecosystem Health and Human Impact. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	5
72	Microbial sludge formation in Brazilian marine diesel oil (B0) and soybean methyl biodiesel blends (B10 and B20) during simulated storage. <i>Fuel</i> , 2022, 308, 121905.	3.4	5

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73	The Oral Bacterial Community in <i>Melanophryniscus admirabilis</i> (Admirable Red-Belly Toads): Implications for Conservation. <i>Microorganisms</i> , 2021, 9, 220.	1.6	4
74	Impact of water content on microbial growth in Brazilian biodiesel during simulated storage. <i>Fuel</i> , 2021, 297, 120761.	3.4	4
75	Complete Genome Sequences of Two <i>Listeria monocytogenes</i> Serovars, 1/2a and 4b, Isolated from Dairy Products in Brazil. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
76	Intra and inter-monkey transmission of bacteria in wild black capuchins monkeys ( <i>Sapajus nigritus</i> ): a preliminary study. <i>Brazilian Journal of Biology</i> , 2021, 82, e237460.	0.4	2
77	Complete Genome Sequence of <i>Enterococcus faecalis</i> Strain P8-1 Isolated from Wild Magellanic Penguin ( <i>Spheniscus magellanicus</i> ) Feces on the South Coast of Brazil. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
78	Antimicrobial resistance of enterococci isolated from food in South Brazil: Comparing pre- and post-RDC 20/2011. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20201765.	0.3	1
79	Phylogenetic comparative and expression analysis of genes encoding dof transcription factors from <i>Eucalyptus grandis</i> . <i>BMC Proceedings</i> , 2011, 5, .	1.8	0
80	Mitochondrial iron-sulfur cluster genes in <i>Eucalyptus</i> . <i>BMC Proceedings</i> , 2011, 5, .	1.8	0
81	Draft Genome Sequence of Brazilian <i>Escherichia coli</i> Uropathogenic Strain E2. <i>Genome Announcements</i> , 2016, 4, .	0.8	0
82	Draft Genome Sequence of <i>Enterococcus faecalis</i> Strain F165 Isolated from a Urinary Tract Infection. <i>Genome Announcements</i> , 2016, 4, .	0.8	0
83	Captive Snakes from Brazil as Carriers of Multidrug-Resistant Enterococci. <i>International Journal of Plant Animal and Environmental Sciences</i> , 2021, 11, .	0.2	0
84	Molecular analysis of the <i>iap</i> gene of <i>Listeria monocytogenes</i> isolated from cheeses in rio grande do Sul, Brazil. <i>Brazilian Journal of Microbiology</i> , 2008, 39, 169-72.	0.8	0