

Jesus A Ferro

List of Publications by Year in descending order

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76
papers

1,963
citations

257450

24
h-index

276875

41
g-index

78
all docs

78
docs citations

78
times ranked

2768
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and Functional Annotation of an Expressed Sequence Tag Collection for Tropical Crop Sugarcane. <i>Genome Research</i> , 2003, 13, 2725-2735.	5.5	254
2	Study of whole genome linkage disequilibrium in Nellore cattle. <i>BMC Genomics</i> , 2013, 14, 305.	2.8	106
3	Novel insights into the genomic basis of citrus canker based on the genome sequences of two strains of <i>Xanthomonas fuscans</i> subsp. <i>aurantifolii</i> . <i>BMC Genomics</i> , 2010, 11, 238.	2.8	102
4	The Genome of <i>Anopheles darlingi</i> , the main neotropical malaria vector. <i>Nucleic Acids Research</i> , 2013, 41, 7387-7400.	14.5	102
5	The Complete Nucleotide Sequence and Genomic Organization of Citrus Leprosis Associated Virus, Cytoplasmatic type (CiLV-C). <i>Virus Genes</i> , 2006, 32, 289-298.	1.6	90
6	The Brazilian experience of sugarcane ethanol industry. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009, 45, 372-381.	2.1	87
7	Identification and Genomic Characterization of a New Virus (Tymoviridae Family) Associated with Citrus Sudden Death Disease. <i>Journal of Virology</i> , 2005, 79, 3028-3037.	3.4	76
8	Evidence for Reductive Genome Evolution and Lateral Acquisition of Virulence Functions in Two <i>Corynebacterium pseudotuberculosis</i> Strains. <i>PLoS ONE</i> , 2011, 6, e18551.	2.5	75
9	New genes of <i>Xanthomonas citri</i> subsp. <i>citri</i> involved in pathogenesis and adaptation revealed by a transposon-based mutant library. <i>BMC Microbiology</i> , 2009, 9, 12.	3.3	67
10	COMPARATIVE GENOMICS ANALYSES OF CITRUS-ASSOCIATED BACTERIA. <i>Annual Review of Phytopathology</i> , 2004, 42, 163-184.	7.8	57
11	Cellular and molecular characterization of an embryonic cell line (BME26) from the tick <i>Rhipicephalus (Boophilus) microplus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 568-580.	2.7	57
12	Expression of heat shock protein in broiler embryo tissues after acute cold or heat stress. <i>Molecular Reproduction and Development</i> , 2004, 67, 172-177.	2.0	46
13	A TALE of Transposition: Tn <i>3</i> -Like Transposons Play a Major Role in the Spread of Pathogenicity Determinants of <i>Xanthomonas citri</i> and Other <i>Xanthomonads</i> . <i>MBio</i> , 2015, 6, e02505-14.	4.1	43
14	Chemotactic signal transduction and phosphate metabolism as adaptive strategies during citrus canker induction by <i>Xanthomonas citri</i> . <i>Functional and Integrative Genomics</i> , 2015, 15, 197-210.	3.5	39
15	Concerted Action of the High Affinity Calcium Binding Sites in Skeletal Muscle Troponin C. <i>Journal of Biological Chemistry</i> , 1995, 270, 9770-9777.	3.4	38
16	Unravelling potential virulence factor candidates in <i>Xanthomonas citri</i> subsp. <i>citri</i> by secretome analysis. <i>PeerJ</i> , 2016, 4, e1734.	2.0	35
17	Origin and diversification of <i>Xanthomonas citri</i> subsp. <i>citri</i> pathotypes revealed by inclusive phylogenomic, dating, and biogeographic analyses. <i>BMC Genomics</i> , 2019, 20, 700.	2.8	33
18	Differences in global gene expression in muscle tissue of Nellore cattle with divergent meat tenderness. <i>BMC Genomics</i> , 2017, 18, 945.	2.8	32

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19	Selection and validation of reference genes for gene expression studies by reverse transcription quantitative PCR in <i>Xanthomonas citri</i> subsp. <i>citri</i> during infection of <i>Citrus sinensis</i> . <i>Biotechnology Letters</i> , 2011, 33, 1177-1184.	2.2	31
20	Gene expression profiling and identification of hub genes in Nelore cattle with different marbling score levels. <i>Genomics</i> , 2020, 112, 873-879.	2.9	31
21	Comparative proteomic analysis reveals that T3SS, Tfp, and xanthan gum are key factors in initial stages of <i>Citrus sinensis</i> infection by <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Functional and Integrative Genomics</i> , 2014, 14, 205-217.	3.5	30
22	Polymorphism analysis of the hsp70 stress gene in Broiler chickens (<i>Gallus gallus</i>) of different breeds. <i>Genetics and Molecular Biology</i> , 2003, 26, 275-281.	1.3	29
23	Cloning and expression of chicken skeletal muscle troponin I in <i>Escherichia coli</i> : The role of rare codons on the expression level. <i>Protein Science</i> , 1993, 2, 1053-1056.	7.6	28
24	Proteome of the phytopathogen <i>Xanthomonas citri</i> subsp. <i>citri</i> : a global expression profile. <i>Proteome Science</i> , 2010, 8, 55.	1.7	28
25	Prediction of hub genes associated with intramuscular fat content in Nelore cattle. <i>BMC Genomics</i> , 2019, 20, 520.	2.8	24
26	Performance and hormonal profile in broiler chickens fed with different energy levels during post restriction period. <i>Pesquisa Agropecuaria Brasileira</i> , 2003, 38, 697-702.	0.9	22
27	Spliced genes in muscle from Nelore Cattle and their association with carcass and meat quality. <i>Scientific Reports</i> , 2020, 10, 14701.	3.3	21
28	Brain and hepatic Hsp70 protein levels in heat-acclimated broiler chickens during heat stress. <i>Brazilian Journal of Poultry Science</i> , 2004, 6, 201-206.	0.7	20
29	Expression of genes related to mitochondrial function in Nelore cattle divergently ranked on residual feed intake. <i>Molecular Biology Reports</i> , 2015, 42, 559-565.	2.3	20
30	Proteomics-based identification of differentially abundant proteins reveals adaptation mechanisms of <i>Xanthomonas citri</i> subsp. <i>citri</i> during <i>Citrus sinensis</i> infection. <i>BMC Microbiology</i> , 2017, 17, 155.	3.3	18
31	Structure and genetic relationships between Brazilian naturalized and exotic purebred goat domestic goat (<i>Capra hircus</i>) breeds based on microsatellites. <i>Genetics and Molecular Biology</i> , 2007, 30, 356-363.	1.3	17
32	Identification of novel mRNA isoforms associated with meat tenderness using RNA sequencing data in beef cattle. <i>Meat Science</i> , 2021, 173, 108378.	5.5	17
33	Type IV Secretion System Is Not Involved in Infection Process in Citrus. <i>International Journal of Microbiology</i> , 2014, 2014, 1-9.	2.3	16
34	Sensitivity evaluation of a single-step PCR assay using Ehrlichia canis p28 gene as a target and its application in diagnosis of canine ehrlichiosis. <i>Brazilian Journal of Veterinary Parasitology</i> , 2010, 19, 75-79.	0.7	16
35	Biotechnological potential of plant growth-promoting bacteria from the roots and rhizospheres of endemic plants in ironstone vegetation in southeastern Brazil. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 156.	3.6	15
36	Analyses of Seven New Genomes of <i>Xanthomonas citri</i> pv. <i>aurantifolii</i> Strains, Causative Agents of Citrus Canker B and C, Show a Reduced Repertoire of Pathogenicity-Related Genes. <i>Frontiers in Microbiology</i> , 2019, 10, 2361.	3.5	14

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37	Transcriptome profiling of muscle in Nelore cattle phenotypically divergent for the ribeye muscle area. <i>Genomics</i> , 2020, 112, 1257-1263.	2.9	13
38	Hepatic mRNA expression and plasma levels of insulin-like growth factor-I (IGF-I) in broiler chickens selected for different growth rates. <i>Genetics and Molecular Biology</i> , 2004, 27, 39-44.	1.3	12
39	Gene Expression in the Salivary Gland of <i>Rhipicephalus (Boophilus) microplus</i> Fed on Tick-Susceptible and Tick-Resistant Hosts. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 477.	3.9	12
40	Bactericidal Effect of Entomopathogenic Bacterium <i>Pseudomonas entomophila</i> Against <i>Xanthomonas citri</i> Reduces Citrus Canker Disease Severity. <i>Frontiers in Microbiology</i> , 2020, 11, 1431.	3.5	12
41	Comparative proteomic analysis of <i>Xanthomonas citri</i> ssp. <i>citri</i> periplasmic proteins reveals changes in cellular envelope metabolism during <i>in vitro</i> pathogenicity induction. <i>Molecular Plant Pathology</i> , 2018, 19, 143-157.	4.2	11
42	<i>Serratia liquefaciens</i> FG3 isolated from a metallophyte plant sheds light on the evolution and mechanisms of adaptive traits in extreme environments. <i>Scientific Reports</i> , 2019, 9, 18006.	3.3	10
43	Use of gene expression profile to identify potentially relevant transcripts to myofibrillar fragmentation index trait. <i>Functional and Integrative Genomics</i> , 2020, 20, 609-619.	3.5	10
44	Detection and identification of <i>Xanthomonas</i> pathotypes associated with citrus diseases using comparative genomics and multiplex PCR. <i>PeerJ</i> , 2019, 7, e7676.	2.0	10
45	Effects of acute cold exposure on rectal temperature, blood glucose and plasma free fatty acids in alloxan-diabetic rats. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1986, 85, 63-65.	0.6	9
46	Isolation and purification of actomyosin ATPase from mammalian brain. <i>Journal of Neuroscience Methods</i> , 1986, 16, 47-58.	2.5	9
47	High-Level Production of Functional Muscle $\hat{\pm}$ -Tropomyosin in <i>Pichia pastoris</i> . <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 955-960.	2.1	9
48	A Genomic and Transcriptomic Overview of MATE, ABC, and MFS Transporters in <i>Citrus sinensis</i> Interaction with <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Plants</i> , 2020, 9, 794.	3.5	9
49	Complete genome sequence and analysis of <i>Alcaligenes faecalis</i> strain Mc250, a new potential plant bioinoculant. <i>PLoS ONE</i> , 2020, 15, e0241546.	2.5	9
50	Respostas Fisiológicas Associadas à Termotolerância em Pintos de Corte de Duas Linhagens por Exposição a Altas Temperaturas. <i>Revista Brasileira De Zootecnia</i> , 2002, 31, 79-85.	0.8	8
51	Transposons and pathogenicity in <i>Xanthomonas</i> : acquisition of murein lytic transglycosylases by <i>TnXax1</i> enhances <i>Xanthomonas citri</i> subsp. <i>citri</i> 306 virulence and fitness. <i>PeerJ</i> , 2018, 6, e6111.	2.0	8
52	The complete sequence of a chicken-muscle cDNA encoding the acidic ribosomal protein P1. <i>FEBS Journal</i> , 1988, 177, 513-516.	0.2	7
53	Carbohydrate metabolism of <i>Xylella fastidiosa</i> : Detection of glycolytic and pentose phosphate pathway enzymes and cloning and expression of the enolase gene. <i>Genetics and Molecular Biology</i> , 2003, 26, 203-211.	1.3	5
54	Quorum Sensing, Its Role in Virulence and Symptomatology in Bacterial Citrus Canker. , 2017, , .		5

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55	Proline accumulation in sugarcane roots subjected to drought conditions. <i>Científica</i> , 2016, 44, 592.	0.2	5
56	Cold-acclimation improves cold-tolerance of diabetic rats. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1987, 88, 425-429.	0.6	4
57	Conditions affecting production of functional muscle recombinant $\hat{\pm}$ -tropomyosin in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 2003, 30, 105-111.	1.3	4
58	The zymogen-enteropeptidase system: A practical approach to study the regulation of enzyme activity by proteolytic cleavage. <i>Biochemistry and Molecular Biology Education</i> , 2004, 32, 45-48.	1.2	4
59	Genes diferencialmente expressos em cana-de-a $\hat{\text{S}}$ car inoculada com <i>Xanthomonas albilineans</i> , o agente causal da escaldadura da folha. <i>Summa Phytopathologica</i> , 2006, 32, 328-338.	0.1	4
60	mCherry fusions enable the subcellular localization of periplasmic and cytoplasmic proteins in <i>Xanthomonas</i> sp.. <i>PLoS ONE</i> , 2020, 15, e0236185.	2.5	4
61	Transcriptional changes involved in kumquat (<i>Fortunella</i> spp) defense response to <i>Xanthomonas citri</i> subsp. <i>citri</i> in early stages of infection. <i>Physiological and Molecular Plant Pathology</i> , 2021, 116, 101729.	2.5	4
62	Efeito do estresse t C rmico agudo sobre os n A veis da prote A na e RNA mensageiro da Hsp70, em f A gado e c A t O rebros de pintos de corte de diferentes linhagens. <i>Revista Brasileira De Zootecnia</i> , 2001, 30, 1506-1513.	0.8	3
63	Development and validation of a <i>Xanthomonas axonopodis</i> pv. <i>citri</i> DNA microarray platform (XACarray) generated from the shotgun libraries previously used in the sequencing of this bacterial genome. <i>BMC Research Notes</i> , 2010, 3, 150.	1.4	3
64	Resist A ncia A S A ndrome Asc A tica, Compet A ncia Homeot C rmica e N A veis de Hsp70 no Cora S o e Pulm A o de Frangos de Corte. <i>Revista Brasileira De Zootecnia</i> , 2002, 31, 1442-1450.	0.8	3
65	Identification of New Genes Related to Virulence of <i>Xanthomonas axonopodis</i> Pv. <i>Citri</i> during Citrus Host Interactions. <i>Advances in Microbiology</i> , 2017, 07, 22-46.	0.6	3
66	Calcium/calmodulin regulation of ATPase activity and endogenous phosphorylation of mammalian brain actomyosin. <i>Biochemical and Biophysical Research Communications</i> , 1987, 145, 1217-1224.	2.1	2
67	Gene expression analysis identifies hypothetical genes that may be critical during the infection process of <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Electronic Journal of Biotechnology</i> , 2019, 42, 30-41.	2.2	2
68	CitrusKB: a comprehensive knowledge base for transcriptome and interactome of <i>Citrus</i> spp. infected by <i>Xanthomonas citri</i> subsp. <i>citri</i> at different infection stages. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, .	3.0	2
69	Riboswitch theo/metE as a Transcription Regulation Tool for <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Microorganisms</i> , 2021, 9, 329.	3.6	2
70	Potential Bioinoculants for Sustainable Agriculture Prospected from Ferruginous Caves of the Iron Quadrangle/Brazil. <i>Sustainability</i> , 2021, 13, 9354.	3.2	2
71	Digestibilidade e ganhos em peso de ovinos alimentados com diferentes fontes de volumosos e recebendo somatotropina recombinante bovina (rBST). <i>Revista Brasileira De Zootecnia</i> , 1999, 28, 1102-1108.	0.8	2
72	Influence of Dietary Energy Level on Hepatic 70-kDa Heat Shock Protein Expression in Broiler Chickens Submitted to Acute Heat Stress. <i>Brazilian Journal of Poultry Science</i> , 2000, 2, 259-266.	0.7	2

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73	Effect of heat stress or lipopolysaccharide (E. coli) injection on HSP70 levels in the liver and brain of adrenalectomized rats. <i>Journal of Thermal Biology</i> , 1999, 24, 429-432.	2.5	1
74	Sexagem de embriões bovinos fecundados in vitro pela técnica de PCR multiplex. <i>Brazilian Journal of Veterinary Research and Animal Science</i> , 2000, 37, 0-0.	0.2	1
75	24 Structural variants affecting mRNAs isoforms splice sites associated with marbling in Nelore cattle. <i>Journal of Animal Science</i> , 2020, 98, 24-25.	0.5	0
76	XAC4296 Is a Multifunctional and Exclusive Xanthomonadaceae Gene Containing a Fusion of Lytic Transglycosylase and Epimerase Domains. <i>Microorganisms</i> , 2022, 10, 1008.	3.6	0