Ana Lucia Nascimento

List of Publications by Year
in descending order

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114 papers	6,278 citations	117453 34 h-index	71532 76 g-index
115 all docs	115 docs citations	115 times ranked	5623 citing authors

#	Article	IF	Citations
1	Genome Sequence of Aedes aegypti, a Major Arbovirus Vector. Science, 2007, 316, 1718-1723.	6.0	1,025
2	The genome sequence of the plant pathogen Xylella fastidiosa. Nature, 2000, 406, 151-157.	13.7	827
3	Transcriptome analysis of the acoelomate human parasite Schistosoma mansoni. Nature Genetics, 2003, 35, 148-157.	9.4	433
4	Comparative Genomics of Two Leptospira interrogans Serovars Reveals Novel Insights into Physiology and Pathogenesis. Journal of Bacteriology, 2004, 186, 2164-2172.	1.0	406
5	What Makes a Bacterial Species Pathogenic?:Comparative Genomic Analysis of the Genus Leptospira. PLoS Neglected Tropical Diseases, 2016, 10, e0004403.	1.3	253
6	A high-copy T7 Escherichia coli expression vector for the production of recombinant proteins with a minimal N-terminal His-tagged fusion peptide. Brazilian Journal of Medical and Biological Research, 2004, 37, 1103-1109.	0.7	223
7	A Newly Identified Leptospiral Adhesin Mediates Attachment to Laminin. Infection and Immunity, 2006, 74, 6356-6364.	1.0	178
8	Genome features of Leptospira interrogans serovar Copenhageni. Brazilian Journal of Medical and Biological Research, 2004, 37, 459-477.	0.7	175
9	The contribution of 700,000 ORF sequence tags to the definition of the human transcriptome. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12103-12108.	3.3	123
10	Whole-genome analysis ofLeptospira interroganstо identify potential vaccine candidates against leptospirosis. FEMS Microbiology Letters, 2005, 244, 305-313.	0.7	115
11	The generation and utilization of a cancer-oriented representation of the human transcriptome by using expressed sequence tags. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13418-13423.	3.3	105
12	Lsa21, a novel leptospiral protein binding adhesive matrix molecules and present during human infection. BMC Microbiology, 2008, 8, 70.	1.3	90
13	Plasminogen Acquisition and Activation at the Surface of Leptospira Species Lead to Fibronectin Degradation. Infection and Immunity, 2009, 77, 4092-4101.	1.0	83
14	In Vitro Identification of Novel Plasminogen-Binding Receptors of the Pathogen Leptospira interrogans. PLoS ONE, 2010, 5, e11259.	1.1	83
15	OmpL1 Is an Extracellular Matrix- and Plasminogen-Interacting Protein of Leptospira spp. Infection and Immunity, 2012, 80, 3679-3692.	1.0	76
16	Identification of human chromosome 22 transcribed sequences with ORF expressed sequence tags. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 12690-12693.	3.3	70
17	â€œFeatures of two proteins of Leptospira interrogans with potential role in host-pathogen interactionsâ€• BMC Microbiology, 2012, 12, 50.	1.3	66
18	Leptospiral extracellular matrix adhesins as mediators of pathogen-host interactions. FEMS Microbiology Letters, 2014, 352, 129-139.	0.7	66

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19	In vitro evidence for immune evasion activity by human plasmin associated to pathogenic Leptospira interrogans. Microbial Pathogenesis, 2011, 51, 360-365.	1.3	61
20	Lsa30, a novel adhesin of Leptospira interrogans binds human plasminogen and the complement regulator C4bp. Microbial Pathogenesis, 2012, 53, 125-134.	1.3	59
21	Characterization of Novel OmpA-Like Protein of Leptospira interrogans That Binds Extracellular Matrix Molecules and Plasminogen. PLoS ONE, 2011, 6, e21962.	1.1	59
22	Lsa63, a newly identified surface protein of Leptospira interrogans binds laminin and collagen IV. Journal of Infection, 2010, 60, 52-64.	1.7	56
23	LipL53, a temperature regulated protein from Leptospira interrogans that binds to extracellular matrix molecules. Microbes and Infection, 2010, 12, 207-217.	1.0	51
24	Ultraviolet A (320â€“380 nm) radiation causes an alteration in the binding of a specific protein/protein complex to a short region of the promoter of the human heme oxygenase 1 gene. Nucleic Acids Research, 1993, 21, 1103-1109.	6.5	48
25	The Novel Leptospiral Surface Adhesin Lsa20 Binds Laminin and Human Plasminogen and Is Probably Expressed during Infection. Infection and Immunity, 2011, 79, 4657-4667.	1.0	45
26	Lp95, a novel leptospiral protein that binds extracellular matrix components and activates e-selectin on endothelial cells. Journal of Infection, 2009, 59, 264-276.	1.7	44
27	Leptospira interrogans Lsa23 protein recruits plasminogen, factor H and C4BP from normal human serum and mediates C3b and C4b degradation. Microbiology (United Kingdom), 2016, 162, 295-308.	0.7	44
28	A newly identified protein of Leptospira interrogans mediates binding to laminin. Journal of Medical Microbiology, 2009, 58, 1275-1282.	0.7	41
29	Plasminogen Binding Proteins and Plasmin Generation on the Surface ofLeptospiraspp.: The Contribution to the Bacteria-Host Interactions. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-17.	3.0	41
30	Interaction of spirochetes with the host fibrinolytic system and potential roles in pathogenesis. Critical Reviews in Microbiology, 2016, 42, 573-587.	2.7	39
31	Evaluation of Leptospiral Recombinant Antigens MPL17 and MPL21 for Serological Diagnosis of Leptospirosis by Enzyme-Linked Immunosorbent Assays. Vaccine Journal, 2008, 15, 1715-1722.	3.2	38
32	Induction of Neutralizing Antibodies against Diphtheria Toxin by Priming with Recombinant Mycobacterium bovis BCG Expressing CRM197, a Mutant Diphtheria Toxin. Infection and Immunity, 2001, 69, 869-874.	1.0	37
33	Adhesins of Leptospira interrogans Mediate the Interaction to Fibrinogen and Inhibit Fibrin Clot Formation In Vitro. PLoS Neglected Tropical Diseases, 2013, 7, e2396.	1.3	37
34	Overexpression of a synthetic gene encoding human alpha interferon in Escherichia coli. Protein Expression and Purification, 2004, 35, 353-359.	0.6	35
35	Putative outer membrane proteins of Leptospira interrogans stimulate human umbilical vein endothelial cells (HUVECS) and express during infection. Microbial Pathogenesis, 2008, 45, 315-322.	1.3	35
36	Leptospira spp.: Novel insights into hostâ€“pathogen interactions. Veterinary Immunology and Immunopathology, 2016, 176, 50-57.	0.5	34

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37	Gene Structure and M20T Polymorphism of theSchistosoma mansoni Sm14 Fatty Acid-binding Protein. Journal of Biological Chemistry, 2003, 278, 12745-12751.	1.6	33
38	Characterization of Three Novel Adhesins of Leptospira interrogans. American Journal of Tropical Medicine and Hygiene, 2013, 89, 1103-1116.	0.6	32
39	Gene silencing based on RNA-guided catalytically inactive Cas9 (dCas9): a new tool for genetic engineering in Leptospira. Scientific Reports, 2019, 9, 1839.	1.6	32
40	Interaction of Leptospira interrogans with Human Proteolytic Systems Enhances Dissemination through Endothelial Cells and Protease Levels. Infection and Immunity, 2013, 81, 1764-1774.	1.0	31
41	Leptospira interrogans outer membrane protein LipL21 is a potent inhibitor of neutrophil myeloperoxidase. Virulence, 2018, 9, 414-425.	1.8	31
42	r-Sm14 - pRSETA efficacy in experimental animals. Memorias Do Instituto Oswaldo Cruz, 2001, 96, 131-135.	0.8	28
43	Intracellular generation of electronically excited states. Polymorphonuclear leukocytes challenged with a precursor of triplet acetone. Biochimica Et Biophysica Acta - General Subjects, 1986, 881, 337-342.	1.1	27
44	Immune response and protective profile elicited by a multi-epitope chimeric protein derived from Leptospira interrogans. International Journal of Infectious Diseases, 2017, 57, 61-69.	1.5	27
45	The interaction of two novel putative proteins of Leptospira interrogans with E-cadherin, plasminogen and complement components with potential role in bacterial infection. Virulence, 2019, 10, 734-753.	1.8	27
46	Genetic manipulation of pathogenic Leptospira: CRISPR interference (CRISPRi)-mediated gene silencing and rapid mutant recovery at 37ÂÂ°C. Scientific Reports, 2021, 11, 1768.	1.6	27
47	A novel leptospiral protein increases ICAM-1 and E-selectin expression in human umbilical vein endothelial cells. FEMS Microbiology Letters, 2007, 276, 172-180.	0.7	26
48	Adjuvant activity of Mycobacterium bovis BCG expressing CRM197 on the immune response induced by BCG expressing tetanus toxin fragment C. Vaccine, 2004, 22, 740-746.	1.7	25
49	Functional and immunological evaluation of two novel proteins of Leptospira spp.. Microbiology (United Kingdom), 2014, 160, 149-164.	0.7	25
50	Features of Two New Proteins with OmpA-Like Domains Identified in the Genome Sequences of Leptospira interrogans. PLoS ONE, 2015, 10, e0122762.	1.1	25
51	Proteome Analysis of Leptospira interrogans Virulent Strain. Open Microbiology Journal, 2009, 3, 69-74.	0.2	25
52	GENERATION OF ELECTRONICALLY EXCITED STATES IN SITU. POLYMORPHONUCLEAR LEUKOCYTES TREATED WITH PHENYLACETALDEHYDE. Photochemistry and Photobiology, 1987, 46, 137-141.	1.3	23
53	Novel Leptospira interrogans protein Lsa32 is expressed during infection and binds laminin and plasminogen. Microbiology (United Kingdom), 2015, 161, 851-864.	0.7	23
54	Leptospira interrogans reduces fibrin clot formation by modulating human thrombin activity via exosite I. Pathogens and Disease, 2015, 73, .	0.8	23

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55	Sm14 of Schistosoma mansoni in Fusion with Tetanus Toxin Fragment C Induces Immunoprotection against Tetanus and Schistosomiasis in Mice. Infection and Immunity, 2004, 72, 5931-5937.	1.0	22
56	Bioinformatics Describes Novel Loci for High Resolution Discrimination of Leptospira Isolates. PLoS ONE, 2010, 5, e15335.	1.1	20
57	Generation of electronically excited triplet species at the cellular level: A potential source of genotoxicity. Toxicology Letters, 1993, 67, 17-28.	0.4	19
58	Evaluation of two novel leptospiral proteins for their interaction with human host components. Pathogens and Disease, 2016, 74, ftw040.	0.8	19
59	Multifunctional and Redundant Roles of Leptospira interrogans Proteins in Bacterial-Adhesion and fibrin clotting inhibition. International Journal of Medical Microbiology, 2017, 307, 297-310.	1.5	19
60	EXCITATION OF CHLOROPLASTS IN Euglena gracilis IN THE ABSENCE OF LIGHT. Photochemistry and Photobiology, 1988, 47, 457-461.	1.3	18
61	Identification of a novel potential antigen for early-phase serodiagnosis of leptospirosis. Archives of Microbiology, 2007, 188, 523-532.	1.0	18
62	Characterization of leptospiral proteins that afford partial protection in hamsters against lethal challenge with Leptospira interrogans. Journal of Medical Microbiology, 2010, 59, 1005-1015.	0.7	18
63	Binding of human plasminogen by the lipoprotein LipL46 of Leptospira interrogans. Molecular and Cellular Probes, 2018, 37, 12-21.	0.9	18
64	High-level expression of tetanus toxin fragment Câ€'thioredoxin fusion protein in Escherichia coli. Biotechnology and Applied Biochemistry, 2000, 31, 91.	1.4	17
65	Cells transfected with transferrin receptor cDNA lacking the iron regulatory domain become more sensitive to the DNA-damaging action of oxidative stress. Carcinogenesis, 1995, 16, 1335-1338.	1.3	16
66	Characterization of a novel protein of Leptospira interrogans exhibiting plasminogen, vitronectin and complement binding properties. International Journal of Medical Microbiology, 2019, 309, 116-129.	1.5	16
67	Modulation of Hemostatic and Inflammatory Responses by Leptospira Spp.. PLoS Neglected Tropical Diseases, 2016, 10, e0004713.	1.3	16
68	Evaluation of Immunoprotective Activity of Six Leptospiral Proteins in the Hamster Model of Leptospirosis. Open Microbiology Journal, 2012, 6, 79-87.	0.2	16
69	Revisiting the Development of Vaccines Against Pathogenic Leptospira: Innovative Approaches, Present Challenges, and Future Perspectives. Frontiers in Immunology, 2021, 12, 760291.	2.2	16
70	Induction of chemiluminescent processes in the fungus Blastocladiella emersonii by exposure to enzyme-generated triplet benzaldehyde. Biochimica Et Biophysica Acta - General Subjects, 1985, 843, 254-260.	1.1	15
71	Schiff base formation with amino acids enhances light emission and damage induced in neutrophils by phenylacetaldehyde. Biochimica Et Biophysica Acta - General Subjects, 1989, 991, 50-55.	1.1	15
72	Mammalian cell entry (Mce) protein of Leptospira interrogans binds extracellular matrix components, plasminogen and Î²2 integrin. Microbiology and Immunology, 2016, 60, 586-598.	0.7	15

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73	A Review on Host-Leptospira Interactions: What We Know and Future Expectations. Frontiers in Cellular and Infection Microbiology, 2021, 11, 777709.	1.8	15
74	Characterization of LIC11207, a novel leptospiral protein that is recognized by human convalescent sera and prevents apoptosis of polymorphonuclear leukocytes. Microbial Pathogenesis, 2013, 56, 21-28.	1.3	14
75	Adjuvanted leptospiral vaccines: Challenges and future development of new leptospirosis vaccines. Vaccine, 2019, 37, 3961-3973.	1.7	14
76	The leptospiral LipL21 and LipL41 proteins exhibit a broad spectrum of interactions with host cell components. Virulence, 2021, 12, 2798-2813.	1.8	14
77	Evaluation of LipL32 and LigA/LigB Knockdown Mutants in Leptospira interrogans Serovar Copenhageni: Impacts to Proteome and Virulence. Frontiers in Microbiology, 2021, 12, 799012.	1.5	13
78	The role of Lsa23 to mediate the interaction of Leptospira interrogans with the terminal complement components pathway. Microbial Pathogenesis, 2017, 112, 182-189.	1.3	12
79	The leptospiral antigen Lp49 is a two-domain protein with putative protein binding function. Journal of Structural Biology, 2008, 163, 53-60.	1.3	11
80	Development of Transcriptional Fusions to Assess Leptospira interrogans Promoter Activity. PLoS ONE, 2011, 6, e17409.	1.1	11
81	The recombinant LIC10508 is a plasma fibronectin, plasminogen, fibrinogen and C4BP- binding protein ofLeptospira interrogans. Pathogens and Disease, 2016, 74, ftv118.	0.8	11
82	Characterization of two new putative adhesins of Leptospira interrogans. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.7	10
83	CHEMIEXCITATION IN THE ARACHIDONIC ACID CASCADE. Photochemistry and Photobiology, 1991, 53, 379-384.	1.3	9
84	The crystal structure of the leptospiral hypothetical protein LIC12922 reveals homology with the periplasmic chaperone SurA. Journal of Structural Biology, 2011, 173, 312-322.	1.3	9
85	Evaluation of Lsa46 and Lsa77 Leptospiral Proteins for Their Immunoprotective Activities in Hamster Model of Leptospirosis. BioMed Research International, 2018, 2018, 1-13.	0.9	9
86	EFFECTS INDUCED IN NEUTROPHILS BY A PRECURSOR OF TRIPLET ACETONE. Photochemistry and Photobiology, 1990, 51, 713-717.	1.3	8
87	THE PEROXIDATIVE METABOLISM OF TENOXICAM PRODUCES EXCITED SPECIES. Photochemistry and Photobiology, 1993, 57, 362-366.	1.3	8
88	Schistosoma mansoni venom allergen-like protein 18 (SmVAL18) is a plasminogen-binding protein secreted during the early stages of mammalian-host infection. Molecular and Biochemical Parasitology, 2018, 221, 23-31.	0.5	8
89	Leptospira interrogans Bat proteins impair host hemostasis by fibrinogen cleavage and platelet aggregation inhibition. Medical Microbiology and Immunology, 2020, 209, 201-213.	2.6	8
90	Leptospira Infection Interferes with the Prothrombinase Complex Assembly during Experimental Leptospirosis. Frontiers in Microbiology, 2017, 8, 500.	1.5	7

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91	Immunoprotective Activity Induced by Leptospiral Outer Membrane Proteins in Hamster Model of Acute Leptospirosis. Frontiers in Immunology, 2020, 11, 568694.	2.2	7
92	Induction of Boosted Immune Response in Mice by Leptospiral Surface Proteins Expressed in Fusion with DnaK. BioMed Research International, 2014, 2014, 1-11.	0.9	6
93	Heparin-Binding Protein Release Is Strongly Induced byLeptospiraSpecies and Is a Candidate for an Early Diagnostic Marker of Human Leptospirosis. Journal of Infectious Diseases, 2019, 219, 996-1006.	1.9	6
94	Identification of a novel protein in the genome sequences of Leptospira interrogans with the ability to interact with host's components. Journal of Microbiology, Immunology and Infection, 2020, 53, 163-175.	1.5	6
95	The interplay between host haemostatic systems andLeptospiraspp. infections. Critical Reviews in Microbiology, 2020, 46, 121-135.	2.7	6
96	The Leptospira interrogans LIC10774 is a multifunctional surface protein that binds calcium and interacts with host components. Microbiological Research, 2020, 235, 126470.	2.5	5
97	Decrease in antithrombin III and prothrombin serum levels contribute to coagulation disorders during leptospirosis. Microbiology (United Kingdom), 2016, 162, 1407-1421.	0.7	5
98	A Novel Breakthrough in Leptospira spp. Mutagenesis: Knockout by Combination of CRISPR/Cas9 and Non-homologous End-Joining Systems. Frontiers in Microbiology, 2022, 13, .	1.5	5
99	Proteomics as a tool to understand Leptospira physiology and virulence: Recent advances, challenges and clinical implications. Journal of Proteomics, 2018, 180, 80-87.	1.2	4
100	Virulent Leptospira interrogans Induce Cytotoxic Effects in Human Platelets in vitro Through Direct Interactions. Frontiers in Microbiology, 2020, 11, 572972.	1.5	4
101	Chimeras could help in the fight against leptospirosis. ELife, 2018, 7, .	2.8	3
102	Strategies for the Production of Soluble Interferon-Alpha Consensus and Potential Application in Arboviruses and SARS-CoV-2. Life, 2021, 11, 460.	1.1	3
103	A Novel Leptospira interrogans Protein LIC13086 Inhibits Fibrin Clot Formation and Interacts With Host Components. Frontiers in Cellular and Infection Microbiology, 2021, 11, 708739.	1.8	3
104	Identification of Leptospiral Protein Antigens Recognized by WC1 ⁺ Î³Î´ T Cell Subsets as Target for Development of Recombinant Vaccines. Infection and Immunity, 2022, 90, IAI0049221.	1.0	3
105	Structural and ultrastructural evaluation of the aortic wall after transplantation of bone marrow-derived cells (BMCs) in a model for atherosclerosis. Biochemistry and Cell Biology, 2015, 93, 367-375.	0.9	2
106	Structural analysis of CACHE domain of the McpA chemoreceptor from Leptospira interrogans. Biochemical and Biophysical Research Communications, 2020, 533, 1323-1329.	1.0	2
107	Heterologous Expression of the Pathogen-Specific LIC11711 Gene in the Saprophyte L. biflexa Increases Bacterial Binding to Laminin and Plasminogen. Pathogens, 2020, 9, 599.	1.2	2
108	In Silico Structural and Functional Characterization of HtrA Proteins of Leptospira spp.: Possible Implications in Pathogenesis. Tropical Medicine and Infectious Disease, 2020, 5, 179.	0.9	2

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109	Specific Gene Silencing in Leptospira biflexa by RNA-Guided Catalytically Inactive Cas9 (dCas9). Methods in Molecular Biology, 2020, 2134, 109-122.	0.4	2
110	Research on Bacterial Virulence in the Developing Countries. BioMed Research International, 2015, 2015, 1-2.	0.9	1
111	In Silico Analysis of Genetic VapC Profiles from the Toxin-Antitoxin Type II VapBC Modules among Pathogenic, Intermediate, and Non-Pathogenic Leptospira. Microorganisms, 2019, 7, 56.	1.6	1
112	Cell Adhesion Assay to Study Leptospiral Proteins: An Approach to Investigate Host-Pathogen Interaction. Methods in Molecular Biology, 2020, 2134, 171-185.	0.4	1
113	Intermediate and C-terminal regions of leptospiral adhesin Lsa66 are responsible for binding with plasminogen and extracellular matrix components. Journal of Medical Microbiology, 2014, 63, 1119-1130.	0.7	0
114	A Modified ELISA Method to Evaluate the Interaction of Schistosoma mansoni Proteins with Plasminogen. Methods in Molecular Biology, 2020, 2151, 185-195.	0.4	0