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	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
2	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
3	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
4	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
5	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
6	The leptospiral LipL21 and LipL41 proteins exhibit a broad spectrum of interactions with host cell components. Virulence, 2021, 12, 2798-2813.	1.8	14
7	A Review on Host-Leptospira Interactions: What We Know and Future Expectations. Frontiers in Cellular and Infection Microbiology, 2021, 11, 777709.	1.8	15
8	Revisiting the Development of Vaccines Against Pathogenic Leptospira: Innovative Approaches, Present Challenges, and Future Perspectives. Frontiers in Immunology, 2021, 12, 760291.	2.2	16
9	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
10	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
11	Structural analysis of CACHE domain of the McpA chemoreceptor from Leptospira interrogans. Biochemical and Biophysical Research Communications, 2020, 533, 1323-1329.	1.0	2
12	Immunoprotective Activity Induced by Leptospiral Outer Membrane Proteins in Hamster Model of Acute Leptospirosis. Frontiers in Immunology, 2020, 11, 568694.	2.2	7
13	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
14	Virulent Leptospira interrogans Induce Cytotoxic Effects in Human Platelets in vitro Through Direct Interactions. Frontiers in Microbiology, 2020, 11, 572972.	1.5	4
15	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
16	The interplay between host haemostatic systems andLeptospiraspp. infections. Critical Reviews in Microbiology, 2020, 46, 121-135.	2.7	6
17	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
18	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

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19	Specific Gene Silencing in Leptospira biflexa by RNA-Guided Catalytically Inactive Cas9 (dCas9). Methods in Molecular Biology, 2020, 2134, 109-122.	0.4	2
20	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
21	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
22	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
23	Adjuvanted leptospiral vaccines: Challenges and future development of new leptospirosis vaccines. Vaccine, 2019, 37, 3961-3973.	1.7	14
24	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
25	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
26	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
27	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
28	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
29	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
30	Leptospira interrogans outer membrane protein LipL21 is a potent inhibitor of neutrophil myeloperoxidase. Virulence, 2018, 9, 414-425.	1.8	31
31	Binding of human plasminogen by the lipoprotein LipL46 of Leptospira interrogans. Molecular and Cellular Probes, 2018, 37, 12-21.	0.9	18
32	Chimeras could help in the fight against leptospirosis. ELife, 2018, 7, .	2.8	3
33	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
34	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
35	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
36	Leptospira Infection Interferes with the Prothrombinase Complex Assembly during Experimental Leptospirosis. Frontiers in Microbiology, 2017, 8, 500.	1.5	7

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37	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
38	Characterization of two new putative adhesins of Leptospira interrogans. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.7	10
39	The recombinant LIC10508 is a plasma fibronectin, plasminogen, fibrinogen and C4BP- binding protein ofLeptospira interrogans. Pathogens and Disease, 2016, 74, ftv118.	0.8	11
40	What Makes a Bacterial Species Pathogenic?:Comparative Genomic Analysis of the Genus Leptospira. PLoS Neglected Tropical Diseases, 2016, 10, e0004403.	1.3	253
41	Evaluation of two novel leptospiral proteins for their interaction with human host components. Pathogens and Disease, 2016, 74, ftw040.	0.8	19
42	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
43	Leptospira spp.: Novel insights into hostâ€“pathogen interactions. Veterinary Immunology and Immunopathology, 2016, 176, 50-57.	0.5	34
44	Interaction of spirochetes with the host fibrinolytic system and potential roles in pathogenesis. Critical Reviews in Microbiology, 2016, 42, 573-587.	2.7	39
45	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
46	Decrease in antithrombin III and prothrombin serum levels contribute to coagulation disorders during leptospirosis. Microbiology (United Kingdom), 2016, 162, 1407-1421.	0.7	5
47	Modulation of Hemostatic and Inflammatory Responses by Leptospira Spp.. PLoS Neglected Tropical Diseases, 2016, 10, e0004713.	1.3	16
48	Research on Bacterial Virulence in the Developing Countries. BioMed Research International, 2015, 2015, 1-2.	0.9	1
49	Novel Leptospira interrogans protein Lsa32 is expressed during infection and binds laminin and plasminogen. Microbiology (United Kingdom), 2015, 161, 851-864.	0.7	23
50	Leptospira interrogans reduces fibrin clot formation by modulating human thrombin activity via exosite I. Pathogens and Disease, 2015, 73, .	0.8	23
51	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
52	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
53	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
54	Functional and immunological evaluation of two novel proteins of Leptospira spp.. Microbiology (United Kingdom), 2014, 160, 149-164.	0.7	25

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55	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
56	Leptospiral extracellular matrix adhesins as mediators of pathogen-host interactions. FEMS Microbiology Letters, 2014, 352, 129-139.	0.7	66
57	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
58	Characterization of Three Novel Adhesins of Leptospira interrogans. American Journal of Tropical Medicine and Hygiene, 2013, 89, 1103-1116.	0.6	32
59	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
60	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
61	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
62	OmpL1 Is an Extracellular Matrix- and Plasminogen-Interacting Protein of Leptospira spp. Infection and Immunity, 2012, 80, 3679-3692.	1.0	76
63	â€œFeatures of two proteins of Leptospira interrogans with potential role in host-pathogen interactionsâ€• BMC Microbiology, 2012, 12, 50.	1.3	66
64	Lsa30, a novel adhesin of Leptospira interrogans binds human plasminogen and the complement regulator C4bp. Microbial Pathogenesis, 2012, 53, 125-134.	1.3	59
65	Evaluation of Immunoprotective Activity of Six Leptospiral Proteins in the Hamster Model of Leptospirosis. Open Microbiology Journal, 2012, 6, 79-87.	0.2	16
66	In vitro evidence for immune evasion activity by human plasmin associated to pathogenic Leptospira interrogans. Microbial Pathogenesis, 2011, 51, 360-365.	1.3	61
67	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
68	Development of Transcriptional Fusions to Assess Leptospira interrogans Promoter Activity. PLoS ONE, 2011, 6, e17409.	1.1	11
69	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
70	Characterization of Novel OmpA-Like Protein of Leptospira interrogans That Binds Extracellular Matrix Molecules and Plasminogen. PLoS ONE, 2011, 6, e21962.	1.1	59
71	Lsa63, a newly identified surface protein of Leptospira interrogans binds laminin and collagen IV. Journal of Infection, 2010, 60, 52-64.	1.7	56
72	LipL53, a temperature regulated protein from Leptospira interrogans that binds to extracellular matrix molecules. Microbes and Infection, 2010, 12, 207-217.	1.0	51

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73	In Vitro Identification of Novel Plasminogen-Binding Receptors of the Pathogen Leptospira interrogans. PLoS ONE, 2010, 5, e11259.	1.1	83
74	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
75	Bioinformatics Describes Novel Loci for High Resolution Discrimination of Leptospira Isolates. PLoS ONE, 2010, 5, e15335.	1.1	20
76	A newly identified protein of Leptospira interrogans mediates binding to laminin. Journal of Medical Microbiology, 2009, 58, 1275-1282.	0.7	41
77	Plasminogen Acquisition and Activation at the Surface of Leptospira Species Lead to Fibronectin Degradation. Infection and Immunity, 2009, 77, 4092-4101.	1.0	83
78	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
79	Proteome Analysis of Leptospira interrogans Virulent Strain. Open Microbiology Journal, 2009, 3, 69-74.	0.2	25
80	Lsa21, a novel leptospiral protein binding adhesive matrix molecules and present during human infection. BMC Microbiology, 2008, 8, 70.	1.3	90
81	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
82	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
83	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
84	Genome Sequence of Aedes aegypti, a Major Arbovirus Vector. Science, 2007, 316, 1718-1723.	6.0	1,025
85	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
86	Identification of a novel potential antigen for early-phase serodiagnosis of leptospirosis. Archives of Microbiology, 2007, 188, 523-532.	1.0	18
87	A Newly Identified Leptospiral Adhesin Mediates Attachment to Laminin. Infection and Immunity, 2006, 74, 6356-6364.	1.0	178
88	Whole-genome analysis ofLeptospira interrogansto identify potential vaccine candidates against leptospirosis. FEMS Microbiology Letters, 2005, 244, 305-313.	0.7	115
89	Genome features of Leptospira interrogans serovar Copenhageni. Brazilian Journal of Medical and Biological Research, 2004, 37, 459-477.	0.7	175
90	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

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91	Comparative Genomics of Two Leptospira interrogans Serovars Reveals Novel Insights into Physiology and Pathogenesis. Journal of Bacteriology, 2004, 186, 2164-2172.	1.0	406
92	Overexpression of a synthetic gene encoding human alpha interferon in Escherichia coli. Protein Expression and Purification, 2004, 35, 353-359.	0.6	35
93	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
94	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
95	Transcriptome analysis of the acoelomate human parasite Schistosoma mansoni. Nature Genetics, 2003, 35, 148-157.	9.4	433
96	Gene Structure and M20T Polymorphism of theSchistosoma mansoni Sm14 Fatty Acid-binding Protein. Journal of Biological Chemistry, 2003, 278, 12745-12751.	1.6	33
97	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
98	r-Sm14 - pRSETA efficacy in experimental animals. Memorias Do Instituto Oswaldo Cruz, 2001, 96, 131-135.	0.8	28
99	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
100	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
101	The genome sequence of the plant pathogen Xylella fastidiosa. Nature, 2000, 406, 151-157.	13.7	827
102	High-level expression of tetanus toxin fragment Câ€'thioredoxin fusion protein in Escherichia coli. Biotechnology and Applied Biochemistry, 2000, 31, 91.	1.4	17
103	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
104	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
105	THE PEROXIDATIVE METABOLISM OF TENOXICAM PRODUCES EXCITED SPECIES. Photochemistry and Photobiology, 1993, 57, 362-366.	1.3	8
106	Generation of electronically excited triplet species at the cellular level: A potential source of genotoxicity. Toxicology Letters, 1993, 67, 17-28.	0.4	19
107	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
108	CHEMIEXCITATION IN THE ARACHIDONIC ACID CASCADE. Photochemistry and Photobiology, 1991, 53, 379-384.	1.3	9

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109	EFFECTS INDUCED IN NEUTROPHILS BY A PRECURSOR OF TRIPLET ACETONE. Photochemistry and Photobiology, 1990, 51, 713-717.	1.3	8
110	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
111	EXCITATION OF CHLOROPLASTS IN Euglena gracilis IN THE ABSENCE OF LIGHT. Photochemistry and Photobiology, 1988, 47, 457-461.	1.3	18
112	GENERATION OF ELECTRONICALLY EXCITED STATES IN SITU. POLYMORPHONUCLEAR LEUKOCYTES TREATED WITH PHENYLACETALDEHYDE. Photochemistry and Photobiology, 1987, 46, 137-141.	1.3	23
113	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
114	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