Manuel-Alfonso Patarroyo

List of Publications by Year
in descending order

278 papers	4,418 citations	159525 30 h-index	276775 41 g-index
281 all docs	281 docs citations	281 times ranked	3812 citing authors

#	Article	IF	Citations
1	Mechanisms of genetically-based resistance to malaria. Gene, 2010, 467, 1-12.	1.0	129
2	Emerging Rules for Subunit-Based, Multiantigenic, Multistage Chemically Synthesized Vaccines. Accounts of Chemical Research, 2008, 41, 377-386.	7.6	112
3	Structural and Immunological Principles Leading to Chemically Synthesized, Multiantigenic, Multistage, Minimal Subunit-Based Vaccine Development. Chemical Reviews, 2011, 111, 3459-3507.	23.0	93
4	Genetic polymorphism of the Duffy receptor binding domain of Plasmodium vivax in Colombian wild isolates. Molecular and Biochemical Parasitology, 1996, 78, 269-272.	0.5	75
5	New mutations in non-syndromic primary ovarian insufficiency patients identified via whole-exome sequencing. Human Reproduction, 2017, 32, 1512-1520.	0.4	65
6	Plasmodium vivax in vitro continuous culture: the spoke in the wheel. Malaria Journal, 2018, 17, 301.	0.8	57
7	Novel genes and mutations in patients affected by recurrent pregnancy loss. PLoS ONE, 2017, 12, e0186149.	1.1	55
8	Th1 and Th2 immune response to P30 and ROP18 peptides in human toxoplasmosis. Medical Microbiology and Immunology, 2014, 203, 315-322.	2.6	46
9	Computational Prediction and Experimental Assessment of Secreted/Surface Proteins from Mycobacterium tuberculosis H37Rv. PLoS Computational Biology, 2010, 6, e1000824.	1.5	45
10	Determining Clostridium difficile intra-taxa diversity by mining multilocus sequence typing databases. BMC Microbiology, 2017, 17, 62.	1.3	44
11	Distribution Patterns of Infection with Multiple Types of Human Papillomaviruses and Their Association with Risk Factors. PLoS ONE, 2011, 6, e14705.	1.1	42
12	What Is Known about the Immune Response Induced by Plasmodium vivax Malaria Vaccine Candidates?. Frontiers in Immunology, 2017, 8, 126.	2.2	42
13	Plasmodium vivax merozoite surface protein 8 cloning, expression, and characterisation. Biochemical and Biophysical Research Communications, 2004, 324, 1393-1399.	1.0	39
14	A highly infective Plasmodium vivax strain adapted to Aotus monkeys: Quantitative haematological and molecular determinations useful for P. vivax malaria vaccine development. Vaccine, 2003, 21, 3930-3937.	1.7	38
15	Vaccines againstPlasmodium vivax: a research challenge. Expert Review of Vaccines, 2012, 11, 1249-1260.	2.0	38
16	HLA class II polymorphism in Latin American patients with multiple sclerosis. Autoimmunity Reviews, 2010, 9, 407-413.	2.5	36
17	The DNA load of six high-risk human papillomavirus types and its association with cervical lesions. BMC Cancer, 2015, 15, 100.	1.1	36
18	PvGAMA reticulocyte binding activity: predicting conserved functional regions by natural selection analysis. Parasites and Vectors, 2017, 10, 251.	1.0	36

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19	Plasmodium falciparum pre-erythrocytic stage vaccine development. Malaria Journal, 2020, 19, 56.	0.8	36
20	Detection by PCR of human papillomavirus in Colombia: Comparison of GP5+/6+ and MY09/11 primer sets. Journal of Virological Methods, 2011, 178, 68-74.	1.0	35
21	Pv RON2, a new Plasmodium vivax rhoptry neck antigen. Malaria Journal, 2011, 10, 60.	0.8	35
22	Bovine leukaemia virus DNA in fresh milk and raw beef for human consumption. Epidemiology and Infection, 2017, 145, 3125-3130.	1.0	35
23	Shifting the Polarity of some Critical Residues in Malarial Peptides Binding to Host Cells is a Key Factor in Breaking Conserved Antigens Code of Silence. Medicinal Chemistry, 2008, 4, 278-292.	0.7	34
24	Isolation and identification of mycobacteria in New World primates maintained in captivity. Veterinary Microbiology, 2004, 98, 285-295.	0.8	33
25	In Vitro and In Vivo Studies for Assessing the Immune Response and Protection-Inducing Ability Conferred by Fasciola hepatica-Derived Synthetic Peptides Containing B- and T-Cell Epitopes. PLoS ONE, 2014, 9, e105323.	1.1	32
26	Determining the Plasmodium vivax VCG-1 strain blood stage proteome. Journal of Proteomics, 2015, 113, 268-280.	1.2	32
27	Identification and polymorphism of Plasmodium vivax RBP-1 peptides which bind specifically to reticulocytes. Peptides, 2002, 23, 2265-2277.	1.2	31
28	High polymorphism in Plasmodium vivax merozoite surface protein-5 (MSP5). Parasitology, 2006, 133, 661.	0.7	31
29	Validating subcellular localization prediction tools with mycobacterial proteins. BMC Bioinformatics, 2009, 10, 134.	1.2	31
30	Genetic Diversity and Selection in Three Plasmodium vivax Merozoite Surface Protein 7 (Pvmsp-7) Genes in a Colombian Population. PLoS ONE, 2012, 7, e45962.	1.1	31
31	High Plasmodium malariae Prevalence in an Endemic Area of the Colombian Amazon Region. PLoS ONE, 2016, 11, e0159968.	1.1	31
32	Plasmodium vivax: Polymorphism in the Merozoite Surface Protein 1 Gene from Wild Colombian Isolates. Experimental Parasitology, 2000, 95, 215-219.	0.5	30
33	Splenectomised and spleen intact Aotus monkeys? immune response to Plasmodium vivax MSP-1 protein fragments and their high activity binding peptides. Vaccine, 2003, 21, 4133-4144.	1.7	30
34	Strategies for developing multiâ€epitope, subunitâ€based, chemically synthesized antiâ€malarial vaccines. Journal of Cellular and Molecular Medicine, 2008, 12, 1915-1935.	1.6	30
35	Low genetic polymorphism of merozoite surface proteins 7 and 10 in Colombian Plasmodium vivax isolates. Infection, Genetics and Evolution, 2011, 11, 528-531.	1.0	30
36	The Plasmodium vivax rhoptry neck protein 5 is expressed in the apical pole of Plasmodium vivax VCG-1 strain schizonts and binds to human reticulocytes. Malaria Journal, 2015, 14, 106.	0.8	29

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37	Plasmodium vivax ligand-receptor interaction: PvAMA-1 domain I contains the minimal regions for specific interaction with CD71+ reticulocytes. Scientific Reports, 2017, 7, 9616.	1.6	29
38	Loop-Mediated Isothermal Amplification as Point-of-Care Diagnosis for Neglected Parasitic Infections. International Journal of Molecular Sciences, 2020, 21, 7981.	1.8	29
39	Toxoplasma gondii: P30 peptides recognition pattern in human toxoplasmosis. Experimental Parasitology, 2009, 123, 199-202.	0.5	28
40	NClassG+: A classifier for non-classically secreted Gram-positive bacterial proteins. BMC Bioinformatics, 2011, 12, 21.	1.2	28
41	Molecular modeling and in silico characterization of Mycobacterium tuberculosis TlyA: Possible misannotation of this tubercle bacilli-hemolysin. BMC Structural Biology, 2011, 11, 16.	2.3	28
42	Low genetic diversity and functional constraint in loci encoding Plasmodium vivax P12 and P38 proteins in the Colombian population. Malaria Journal, 2014, 13, 58.	0.8	28
43	Expression, polymorphism analysis, reticulocyte binding and serological reactivity of two Plasmodium vivax MSP-1 protein recombinant fragments. Vaccine, 2003, 21, 1033-1043.	1.7	27
44	Identifying and characterising the Plasmodium falciparum merozoite surface protein 10 Plasmodium vivax homologue. Biochemical and Biophysical Research Communications, 2005, 331, 1178-1184.	1.0	27
45	Identification and characterisation of the Plasmodium vivax rhoptry-associated protein 2. Biochemical and Biophysical Research Communications, 2005, 337, 853-859.	1.0	27
46	Annotation and characterization of the Plasmodium vivax rhoptry neck protein 4 (Pv RON4). Malaria Journal, 2013, 12, 356.	0.8	27
47	Plasmodium vivax lineages: geographical distribution, tandem repeat polymorphism, and phylogenetic relationship. Malaria Journal, 2011, 10, 374.	0.8	26
48	3D Analysis of the TCR/pMHCII Complex Formation in Monkeys Vaccinated with the First Peptide Inducing Sterilizing Immunity against Human Malaria. PLoS ONE, 2010, 5, e9771.	1.1	25
49	IMPIPS: The Immune Protection-Inducing Protein Structure Concept in the Search for Steric-Electron and Topochemical Principles for Complete Fully-Protective Chemically Synthesised Vaccine Development. PLoS ONE, 2015, 10, e0123249.	1.1	25
50	Plasmodium vivax Duffy binding protein: a modular evolutionary proposal. Parasitology, 2004, 128, 353-366.	0.7	24
51	Limited genetic polymorphism of the Plasmodium vivax low molecular weight rhoptry protein complex in the Colombian population. Infection, Genetics and Evolution, 2010, 10, 261-267.	1.0	24
52	Heterogeneous genetic diversity pattern in Plasmodium vivax genes encoding merozoite surface proteins (MSP) -7E, â^'7F and -7L. Malaria Journal, 2014, 13, 495.	0.8	24
53	IdentifyingputativeMycobacterium tuberculosisRv2004c protein sequences that bind specifically to U937 macrophages and A549 epithelial cells. Protein Science, 2005, 14, 2767-2780.	3.1	23
54	Cloning, expression, and characterisation of a Plasmodium vivax MSP7 family merozoite surface protein. Biochemical and Biophysical Research Communications, 2006, 351, 639-644.	1.0	23

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55	Size polymorphism and low sequence diversity in the locus encoding the Plasmodium vivaxÂrhoptry neck protein 4 (PvRON4) in Colombian isolates. Malaria Journal, 2016, 15, 501.	0.8	23
56	Unveiling the Multilocus Sequence Typing (MLST) Schemes and Core Genome Phylogenies for Genotyping Chlamydia trachomatis. Frontiers in Microbiology, 2018, 9, 1854.	1.5	23
57	Functional, structural, and immunological compartmentalisation of malaria invasive proteins. Biochemical and Biophysical Research Communications, 2007, 354, 363-371.	1.0	22
58	Characterisation of the Plasmodium vivax Pv38 antigen. Biochemical and Biophysical Research Communications, 2008, 376, 326-330.	1.0	22
59	Mycobacterium tuberculosis Rv0679c protein sequences involved in host-cell infection: Potential TB vaccine candidate antigen. BMC Microbiology, 2010, 10, 109.	1.3	22
60	Frequency of Human Papillomavirus Infection, Coinfection, and Association with Different Risk Factors in Colombia. Annals of Epidemiology, 2011, 21, 204-213.	0.9	22
61	Low genetic diversity in the locus encoding the Plasmodium vivax P41 protein in Colombiaâ€™s parasite population. Malaria Journal, 2014, 13, 388.	0.8	22
62	Characterization and antigenicity of the promising vaccine candidate Plasmodium vivax 34kDa rhoptry antigen (Pv34). Vaccine, 2009, 28, 415-421.	1.7	21
63	Sarconesiopsis magellanica (Diptera: Calliphoridae) excretions and secretions have potent antibacterial activity. Acta Tropica, 2014, 136, 37-43.	0.9	21
64	Inferring natural selection signals in Plasmodium vivax -encoded proteins having a potential role in merozoite invasion. Infection, Genetics and Evolution, 2015, 33, 182-188.	1.0	21
65	Peptides Derived of Kunitz-Type Serine Protease Inhibitor as Potential Vaccine Against Experimental Schistosomiasis. Frontiers in Immunology, 2019, 10, 2498.	2.2	21
66	Plasmodium vivax: functional analysis of a highly conserved PvRBP-1 protein region. Molecular and Biochemical Parasitology, 2001, 117, 229-234.	0.5	20
67	The Plasmodium vivax rhoptry-associated protein 1. Biochemical and Biophysical Research Communications, 2006, 341, 1053-1058.	1.0	20
68	The Plasmodium vivax Pv41 surface protein: Identification and characterization. Biochemical and Biophysical Research Communications, 2008, 377, 1113-1117.	1.0	20
69	Reticulocytes: Plasmodium vivax target cells. Biology of the Cell, 2013, 105, 251-260.	0.7	20
70	Gauche+ side-chain orientation as a key factor in the search for an immunogenic peptide mixture leading to a complete fully protective vaccine. Vaccine, 2014, 32, 2117-2126.	1.7	20
71	Plasmodium malariae in the Colombian Amazon region: you donâ€™t diagnose what you donâ€™t suspect. Malaria Journal, 2016, 15, 576.	0.8	20
72	Structural analysis of owl monkey MHC-DR shows that fully-protective malaria vaccine components can be readily used in humans. Biochemical and Biophysical Research Communications, 2017, 491, 1062-1069.	1.0	20

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73	Characterizing T-cell receptor gamma-variable gene in Aotus nancymaae owl monkey peripheral blood. Tissue Antigens, 2003, 62, 472-482.	1.0	19
74	The T-cell receptor in primates: identifying and sequencing new owl monkey TRBV gene sub-groups. Immunogenetics, 2005, 57, 42-52.	1.2	19
75	Identification of the Plasmodium falciparum rhoptry neck protein 5 (PfRON5). Gene, 2011, 474, 22-28.	1.0	19
76	Identification, characterization and antigenicity of the Plasmodium vivax rhoptry neck protein 1 (PvRON1). Malaria Journal, 2011, 10, 314.	0.8	19
77	The GPI-anchored 6-Cys Protein Pv12 is Present in Detergent-resistant Microdomains of Plasmodium vivax Blood Stage Schizonts. Protist, 2013, 164, 37-48.	0.6	19
78	Micro-epidemiology of mixed-species malaria infections in a rural population living in the Colombian Amazon region. Scientific Reports, 2018, 8, 5543.	1.6	19
79	Evaluating the anti-leishmania activity of Lucilia sericata and Sarconesiopsis magellanica blowfly larval excretions/secretions in an in vitro model. Acta Tropica, 2018, 177, 44-50.	0.9	19
80	Gut microbiota profiles in diarrheic patients with co-occurrence of Clostridioides difficile and Blastocystis. PLoS ONE, 2021, 16, e0248185.	1.1	19
81	Quantitative flow cytometric monitoring of invasion of epithelial cells by Mycobacterium tuberculosis. Frontiers in Bioscience - Landmark, 2008, 13, 650.	3.0	19
82	How to Combat Gram-Negative Bacteria Using Antimicrobial Peptides: A Challenge or an Unattainable Goal?. Antibiotics, 2021, 10, 1499.	1.5	19
83	MHC class I genes in the owl monkey: mosaic organisation, convergence and loci diversity. Immunogenetics, 2005, 56, 818-832.	1.2	18
84	Characterising Mycobacterium tuberculosis Rv1510c protein and determining its sequences that specifically bind to two target cell lines. Biochemical and Biophysical Research Communications, 2005, 332, 771-781.	1.0	18
85	Plasmodium falciparum TryThrA antigen synthetic peptides block in vitro merozoite invasion to erythrocytes. Biochemical and Biophysical Research Communications, 2006, 339, 888-896.	1.0	18
86	Identifying and characterising the Plasmodium falciparum RhopH3 Plasmodium vivax homologue. Biochemical and Biophysical Research Communications, 2007, 358, 861-866.	1.0	18
87	Persistence, clearance and reinfection regarding six high risk human papillomavirus types in Colombian women: a follow-up study. BMC Infectious Diseases, 2014, 14, 395.	1.3	18
88	Characterising PvRBSA: an exclusive protein from Plasmodium species infecting reticulocytes. Parasites and Vectors, 2017, 10, 243.	1.0	18
89	Sarconesin: Sarconesiopsis magellanica Blowfly Larval Excretions and Secretions With Antibacterial Properties. Frontiers in Microbiology, 2018, 9, 2249.	1.5	18
90	Plasmodium vivax: parasitemia determination by real-time quantitative PCR in Aotus monkeys. Experimental Parasitology, 2002, 100, 131-134.	0.5	17

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91	MycobacteriumtuberculosisRv2536 protein implicated in specific binding to human cell lines. Protein Science, 2005, 14, 2236-2245.	3.1	17
92	Differential expansion of the merozoite surface protein (msp)-7 gene family in Plasmodium species under a birth-and-death model of evolution. Molecular Phylogenetics and Evolution, 2010, 55, 399-408.	1.2	17
93	The Mycobacterium tuberculosis membrane protein Rv0180c: Evaluation of peptide sequences implicated in mycobacterial invasion of two human cell lines. Peptides, 2011, 32, 1-10.	1.2	17
94	A single amino acid change in the Plasmodium falciparum RH5 (PfRH5) human RBC binding sequence modifies its structure and determines species-specific binding activity. Vaccine, 2012, 30, 637-646.	1.7	17
95	Characterizing PvARP, a novel Plasmodium vivax antigen. Malaria Journal, 2013, 12, 165.	0.8	17
96	Characterising atypical Candida albicans clinical isolates from six third-level hospitals in BogotÃ¡, Colombia. BMC Microbiology, 2015, 15, 199.	1.3	17
97	Mce4F Mycobacterium tuberculosis protein peptides can inhibit invasion of human cell lines. Pathogens and Disease, 2015, 73, .	0.8	17
98	Evidence of functional divergence in MSP7 paralogous proteins: a molecular-evolutionary and phylogenetic analysis. BMC Evolutionary Biology, 2016, 16, 256.	3.2	17
99	Sarconesin II, a New Antimicrobial Peptide Isolated from Sarconesiopsis magellanica Excretions and Secretions. Molecules, 2019, 24, 2077.	1.7	17
100	Plasmodium falciparum Blood Stage Antimalarial Vaccines: An Analysis of Ongoing Clinical Trials and New Perspectives Related to Synthetic Vaccines. Frontiers in Microbiology, 2019, 10, 2712.	1.5	17
101	High level of conservation in Plasmodium vivax merozoite surface protein 4 (PvMSP4)â^†. Infection, Genetics and Evolution, 2005, 5, 354-361.	1.0	16
102	Identifying Plasmodium falciparum cytoadherence-linked asexual protein 3 (CLAG 3) sequences that specifically bind to C32 cells and erythrocytes. Protein Science, 2005, 14, 504-513.	3.1	16
103	Characterization of Plasmodium falciparum integral membrane protein Pf25â€ÌMP and identification of its red blood cell binding sequences inhibiting merozoite invasion in vitro. Protein Science, 2008, 17, 1494-1504.	3.1	16
104	Vaccination with recombinant Plasmodium vivax MSP-10 formulated in different adjuvants induces strong immunogenicity but no protection. Vaccine, 2009, 28, 7-13.	1.7	16
105	Specific Interaction between <scp>M</scp>ycobacterium tuberculosis Lipoproteinâ€derived Peptides and Target Cells Inhibits Mycobacterial Entry In Vitro. Chemical Biology and Drug Design, 2014, 84, 626-641.	1.5	16
106	pELMO, an optimised in-house cloning vector. AMB Express, 2017, 7, 26.	1.4	16
107	Immunocompetent patient with a brain abscess caused by Nocardia beijingensis in Latin America. Medicine (United States), 2019, 98, e14879.	0.4	16
108	Major Histocompatibility Complex Class II (DRB3) Genetic Diversity in Spanish Morucha and Colombian Normande Cattle Compared to Taurine and Zebu Populations. Frontiers in Genetics, 2020, 10, 1293.	1.1	16

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109	Gamma interferon levels and antibody production induced by two PvMSP-1 recombinant polypeptides are associated with protective immunity against P. vivax in Aotus monkeys. Vaccine, 2005, 23, 4048-4053.	1.7	15
110	The antigenicity of a Plasmodium vivax reticulocyte binding protein-1 (PvRBP1) recombinant fragment in humans and its immunogenicity and protection studies in Aotus monkeys. Vaccine, 2007, 25, 3713-3721.	1.7	15
111	Synthetic vaccine update: Applying lessons learned from recent SPf66 malarial vaccine physicochemical, structural and immunological characterization. Vaccine, 2007, 25, 4487-4501.	1.7	15
112	The diagnostic performance of classical molecular tests used for detecting human papillomavirus. Journal of Virological Methods, 2012, 185, 32-38.	1.0	15
113	Sarconesiopsis magellanica (Diptera: Calliphoridae) life-cycle, reproductive and population parameters using different diets under laboratory conditions. Forensic Science International, 2013, 233, 380-386.	1.3	15
114	Mammaglobin peptide as a novel biomarker for breast cancer detection. Cancer Biology and Therapy, 2013, 14, 327-332.	1.5	15
115	Characterising a Microsatellite for DRB Typing in Aotus vociferans and Aotus nancymaae (Platyrrhini). PLoS ONE, 2014, 9, e96973.	1.1	15
116	Evidence of recent interspecies horizontal gene transfer regarding nucleopolyhedrovirus infection of Spodoptera frugiperda. BMC Genomics, 2015, 16, 1008.	1.2	15
117	The effect of Lucilia sericata - and Sarconesiopsis magellanica -derived larval therapy on Leishmania panamensis. Acta Tropica, 2016, 164, 280-289.	0.9	15
118	Transcriptome profiling of gene expression during immunisation trial against Fasciola hepatica: identification of genes and pathways involved in conferring immunoprotection in a murine model. BMC Infectious Diseases, 2017, 17, 94.	1.3	15
119	Purification of Trypanosoma cruzi metacyclic trypomastigotes by ion exchange chromatography in sepharose-DEAE, a novel methodology for host-pathogen interaction studies. Journal of Microbiological Methods, 2017, 142, 27-32.	0.7	15
120	Quantifying intracellular Mycobacterium tuberculosis: An essential issue for in vitro assays. MicrobiologyOpen, 2018, 7, e00588.	1.2	15
121	Receptor-ligand and parasite protein-protein interactions inPlasmodium vivax: Analysing rhoptry neck proteins 2 and 4. Cellular Microbiology, 2018, 20, e12835.	1.1	15
122	Identifying Potential Plasmodium vivax Sporozoite Stage Vaccine Candidates: An Analysis of Genetic Diversity and Natural Selection. Frontiers in Genetics, 2018, 9, 10.	1.1	15
123	Association of HIV status with infection by multiple HPV types. Tropical Medicine and International Health, 2018, 23, 1259-1268.	1.0	15
124	Nanovaccines against Animal Pathogens: The Latest Findings. Vaccines, 2021, 9, 988.	2.1	15
125	Characterizing the Mycobacterium tuberculosis Rv2707 protein and determining its sequences which specifically bind to two human cell lines. Protein Science, 2008, 17, 342-351.	3.1	14
126	Identification and evaluation of universal epitopes in Plasmodium vivax Duffy binding protein. Biochemical and Biophysical Research Communications, 2008, 377, 1279-1283.	1.0	14

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127	Atomic fidelity of subunit-based chemically-synthesized antimalarial vaccine components. Progress in Biophysics and Molecular Biology, 2010, 102, 38-44.	1.4	14
128	Identification and characterization of the Plasmodium vivax thrombospondin-related apical merozoite protein. Malaria Journal, 2010, 9, 283.	0.8	14
129	Bacterial Translocation in Abdominal Trauma and Postoperative Infections. Journal of Trauma, 2011, 71, 1258-1261.	2.3	14
130	Human papillomavirus detection in women with and without human immunodeficiency virus infection in Colombia. BMC Cancer, 2014, 14, 451.	1.1	14
131	Functional, biochemical and 3D studies ofMycobacterium tuberculosisprotein peptides for an effective anti-tuberculosis vaccine. Critical Reviews in Microbiology, 2014, 40, 117-145.	2.7	14
132	Immune protection-inducing protein structures (IMPIPS) against malaria: the weapons needed for beating Odysseus. Vaccine, 2015, 33, 7525-7537.	1.7	14
133	The Prevalence of High-Risk HPV Types and Factors Determining Infection in Female Colombian Adolescents. PLoS ONE, 2016, 11, e0166502.	1.1	14
134	New Insights into Clostridium difficile (CD) Infection in Latin America: Novel Description of Toxigenic Profiles of Diarrhea-Associated to CD in BogotÃ¡, Colombia. Frontiers in Microbiology, 2018, 9, 74.	1.5	14
135	Complement Receptor 1 availability on red blood cell surface modulates Plasmodium vivax invasion of human reticulocytes. Scientific Reports, 2019, 9, 8943.	1.6	14
136	Î±1 and Î±2 domains of Aotus MHC Class I and Catarrhini MHC Class Ia share similar characteristics. Tissue Antigens, 2003, 61, 362-373.	1.0	13
137	Identifying gp85-regions involved in Epsteinâ€“Barr virus binding to B-lymphocytes. Biochemical and Biophysical Research Communications, 2004, 319, 221-229.	1.0	13
138	Cutaneous tuberculosis diagnosis in an inhospitable Amazonian region by means of telemedicine and molecular biology. Journal of the American Academy of Dermatology, 2005, 52, S65-S68.	0.6	13
139	The Mycobacterium tuberculosis membrane protein Rv2560â€ƒâ€™â€ƒbiochemical and functional studies. FEBS Journal, 2007, 274, 6352-6364.	2.2	13
140	Conserved high activity binding peptides from the Plasmodium falciparum Pf34 rhoptry protein inhibit merozoites in vitro invasion of red blood cells. Peptides, 2010, 31, 1987-1994.	1.2	13
141	Recent advances in the development of a chemically synthesised anti-malarial vaccine. Expert Opinion on Biological Therapy, 2015, 15, 1567-1581.	1.4	13
142	Towards designing a synthetic antituberculosis vaccine: The Rv3587c peptide inhibits mycobacterial entry to host cells. Bioorganic and Medicinal Chemistry, 2018, 26, 2401-2409.	1.4	13
143	In silico and in vitro analysis of boAP3d1 protein interaction with bovine leukaemia virus gp51. PLoS ONE, 2018, 13, e0199397.	1.1	13
144	Comparative genomics identifies potential virulence factors in Clostridium tertium and C. paraputrificum. Virulence, 2019, 10, 657-676.	1.8	13

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145	Strong-LAMP Assay Based on a Strongyloides spp.-Derived Partial Sequence in the 18S rRNA as Potential Biomarker for Strongyloidiasis Diagnosis in Human Urine Samples. Disease Markers, 2020, 2020, 1-10.	0.6	13
146	Occurrence of Blastocystis in Patients with Clostridioides difficile Infection. Pathogens, 2020, 9, 283.	1.2	13
147	Genetic diversity and population structure of Rhipicephalus sanguineus sensu lato across different regions of Colombia. Parasites and Vectors, 2021, 14, 424.	1.0	13
148	Human Papillomavirus Detection from Human Immunodeficiency Virus-Infected Colombian Women's Paired Urine and Cervical Samples. PLoS ONE, 2013, 8, e56509.	1.1	13
149	Immunogenicity and protection-inducing ability of recombinant Plasmodium vivax rhoptry-associated protein 2 in Aotus monkeys: A potential vaccine candidate. Vaccine, 2009, 27, 2870-2876.	1.7	12
150	Conserved High Activity Binding Peptides are Involved in Adhesion of Two Detergent-Resistant Membrane-Associated Merozoite Proteins to Red Blood Cells during Invasion. Journal of Medicinal Chemistry, 2010, 53, 3907-3918.	2.9	12
151	Peptides derived from Mycobacterium tuberculosis Rv2301 protein are involved in invasion to human epithelial cells and macrophages. Amino Acids, 2012, 42, 2067-2077.	1.2	12
152	Proteolytic activity regarding Sarconesiopsis magellanica (Diptera: Calliphoridae) larval excretions and secretions. Acta Tropica, 2013, 128, 686-691.	0.9	12
153	Evaluating Sarconesiopsis magellanica blowfly-derived larval therapy and comparing it to Lucilia sericata-derived therapy in an animal model. Acta Tropica, 2016, 154, 34-41.	0.9	12
154	Semi-empirical quantum evaluation of peptide â€“ MHC class II binding. Chemical Physics Letters, 2017, 668, 29-34.	1.2	12
155	Simultaneous detection of Plasmodium vivax dhfr, dhps, mdr1 and crt-o resistance-associated mutations in the Colombian Amazonian region. Malaria Journal, 2018, 17, 130.	0.8	12
156	On the Evolution and Function of Plasmodium vivax Reticulocyte Binding Surface Antigen (pvrbsa). Frontiers in Genetics, 2018, 9, 372.	1.1	12
157	Integrated genomic epidemiology and phenotypic profiling of Clostridium difficile across intra-hospital and community populations in Colombia. Scientific Reports, 2019, 9, 11293.	1.6	12
158	Chlamydia trachomatis Frequency in a Cohort of HPV-Infected Colombian Women. PLoS ONE, 2016, 11, e0147504.	1.1	12
159	Functional characterization of Mycobacterium tuberculosis Rv2969c membrane protein. Biochemical and Biophysical Research Communications, 2008, 372, 935-940.	1.0	11
160	Prevalence of infection with high-risk human papillomavirus in women in Colombia. Clinical Microbiology and Infection, 2009, 15, 100-102.	2.8	11
161	Multiple high-risk HPV genotypes are grouped by type and are associated with viral load and risk factors. Epidemiology and Infection, 2017, 145, 1479-1490.	1.0	11
162	Hotspots in Plasmodium and RBC Receptor-Ligand Interactions: Key Pieces for Inhibiting Malarial Parasite Invasion. International Journal of Molecular Sciences, 2020, 21, 4729.	1.8	11

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163	Immunologic evaluation and validation of methods using synthetic peptides derived from Mycobacterium tuberculosis for the diagnosis of tuberculosis infection. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 131-139.	0.8	11
164	Malaria Parasite Survival Depends on Conserved Binding Peptides' Critical Biological Functions. Current Issues in Molecular Biology, 2016, 18, 57-78.	1.0	11
165	Quantifying Aotus monkey cytokines by real-time quantitative RT-PCR. Cytokine, 2004, 27, 129-133.	1.4	10
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