Manuel Elkin Me Patarroyo Murillo

List of Publications by Year
in descending order

340 papers	8,418 citations	70961 41 h-index	85405 71 g-index
348 all docs	348 docs citations	348 times ranked	5168 citing authors

#	Article	IF	Citations
1	A synthetic vaccine protects humans against challenge with asexual blood stages of Plasmodium falciparum malaria. Nature, 1988, 332, 158-161.	13.7	415
2	Laminin isoforms in tumor invasion, angiogenesis and metastasis. Seminars in Cancer Biology, 2002, 12, 197-207.	4.3	319
3	Induction of protective immunity against experimental infection with malaria using synthetic peptides. Nature, 1987, 328, 629-632.	13.7	296
4	Antibodies in malarial sera to parasite antigens in the membrane of erythrocytes infected with early asexual stages of Plasmodium falciparum.. Journal of Experimental Medicine, 1984, 159, 1686-1704.	4.2	282
5	Vaccination with SPf66, a chemically synthesised vaccine, against Plasmodium falciparum malaria in Colombia. Lancet, The, 1993, 341, 705-710.	6.3	206
6	Association of a B-cell alloantigen with susceptibility to rheumatic fever. Nature, 1979, 278, 173-174.	13.7	157
7	Identification of Plasmodium falciparum MSPâ€1 peptides able to bind to human red blood cells. Parasite Immunology, 1996, 18, 515-526.	0.7	132
8	T cell recognition and therapeutic effect of a phosphorylated synthetic peptide of the 70K snRNP protein administered in MRL/lpr mice. European Journal of Immunology, 2003, 33, 287-296.	1.6	127
9	Emerging Rules for Subunit-Based, Multiantigenic, Multistage Chemically Synthesized Vaccines. Accounts of Chemical Research, 2008, 41, 377-386.	7.6	112
10	MPB59, a Widely Cross-Reacting Protein of <i>Mycobacterium bovis </i>BCG. International Archives of Allergy and Immunology, 1986, 81, 307-314.	0.9	99
11	Studies in Owl Monkeys Leading to the Development of a Synthetic Vaccine against the Asexual Blood Stages of Plasmodium Falciparum. American Journal of Tropical Medicine and Hygiene, 1990, 43, 339-354.	0.6	99
12	Intimate Molecular Interactions of P. falciparum Merozoite Proteins Involved in Invasion of Red Blood Cells and Their Implications for Vaccine Design. Chemical Reviews, 2008, 108, 3656-3705.	23.0	94
13	T-Cell Reactivity against Streptococcal Antigens in the Periphery Mirrors Reactivity of Heart-Infiltrating T Lymphocytes in Rheumatic Heart Disease Patients. Infection and Immunity, 2001, 69, 5345-5351.	1.0	93
14	Structural and Immunological Principles Leading to Chemically Synthesized, Multiantigenic, Multistage, Minimal Subunit-Based Vaccine Development. Chemical Reviews, 2011, 111, 3459-3507.	23.0	93
15	An analysis of in vitro T cell responsiveness in lepromatous leprosy.. Journal of Experimental Medicine, 1985, 162, 917-929.	4.2	82
16	Safety, tolerability and immunogenicity of new formulations of the Plasmodium falciparum malaria peptide vaccine SPf66 combined with the immunological adjuvant QS-21. Vaccine, 2002, 20, 2263-2277.	1.7	79
17	Sequence and diversity of DRB genes of Aotus nancymaae , a primate model for human malaria parasites. Immunogenetics, 2000, 51, 219-230.	1.2	77
18	The first field trials of the chemically synthesized malaria vaccine SPf66: safety, immunogenicity and protectivity. Vaccine, 1992, 10, 179-184.	1.7	75

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19	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
20	Immunodiagnosis of Parasitic Diseases with Synthetic Peptides. Current Protein and Peptide Science, 2003, 4, 299-308.	0.7	74
21	Structure, Immunogenicity, and Protectivity Relationship for the 1585 Malarial Peptide and Its Substitution Analogues. Angewandte Chemie - International Edition, 2001, 40, 4654-4657.	7.2	72
22	Owl monkey MHC-DRB exon 2 reveals high similarity with several HLA-DRB lineages. Immunogenetics, 2006, 58, 542-558.	1.2	68
23	Study of the safety and immunogenicity of the synthetic malaria SPf66 vaccine in children aged 1â€“14 years. Vaccine, 1992, 10, 175-178.	1.7	65
24	Immunological profile of a Plasmodium vivax AMA-1 N-terminus peptide-carbon nanotube conjugate in an infected Plasmodium berghei mouse model. Vaccine, 2008, 26, 5864-5873.	1.7	60
25	Mononuclear leukocytes exposed to oxidized low density lipoprotein secrete a factor that stimulates endothelial cells to express adhesion molecules. Atherosclerosis, 1993, 103, 213-219.	0.4	58
26	Safety and Immunogenicity of the Synthetic Malaria Vaccine SPf66 in a Large Field Trial. Journal of Infectious Diseases, 1992, 166, 139-144.	1.9	56
27	Plasmodium vivax MSP-1 peptides have high specific binding activity to human reticulocytes. Vaccine, 2002, 20, 1331-1339.	1.7	56
28	Developmental Biology of Sporozoite-Host Interactions in Plasmodium falciparum Malaria: Implications for Vaccine Design. Clinical Microbiology Reviews, 2006, 19, 686-707.	5.7	55
29	Viral hepatitis in Colombia: A study of the â€œhepatitis of the Sierra Nevada de Santa Martaâ€• Hepatology, 1985, 5, 299-304.	3.6	54
30	Antigenicity of theLeishmania infantumhistones H2B and H4 during canine viscerocutaneous leishmaniasis. Clinical and Experimental Immunology, 1999, 115, 342-349.	1.1	54
31	DIAGNOSIS OF CUTANEOUS TUBERCULOSIS BY POLYMERASE CHAIN REACTION USING A SPECIES-SPECIEIC GENE. International Journal of Dermatology, 1996, 35, 185-188.	0.5	53
32	Genetic control of the immune response to a synthetic vaccine against Plasmodium falciparum. Parasite Immunology, 1991, 13, 509-516.	0.7	52
33	Plasmodium falciparum AMA-1 erythrocyte binding peptides implicate AMA-1 as erythrocyte binding protein. Vaccine, 2000, 19, 508-513.	1.7	52
34	Sequence and diversity of MHC DQA and DQB genes of the owl monkey Aotus nancymaae. Immunogenetics, 2000, 51, 528-537.	1.2	51
35	Toxoplasma gondii: Immunogenicity and protection by P30 peptides in a murine model. Experimental Parasitology, 2006, 114, 62-65.	0.5	51
36	CD4⁺T-Cell- and Gamma Interferon-Dependent Protection against Murine Malaria by Immunization with Linear Synthetic Peptides from aPlasmodium yoelii17-Kilodalton Hepatocyte Erythrocyte Protein. Infection and Immunity, 1999, 67, 5604-5614.	1.0	50

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37	Mapping of the linear antigenic determinants from the Leishmania infantum histone H2A recognized by sera from dogs with leishmaniasis. Immunology Letters, 1995, 48, 209-214.	1.1	48
38	Enhancing immunogenicity to PLGA microparticulate systems by incorporation of alginate and RGD-modified alginate. European Journal of Pharmaceutical Sciences, 2011, 44, 32-40.	1.9	48
39	Studies on the humoral immune response to a synthetic vaccine against Plasmodium falciparum malaria. Clinical and Experimental Immunology, 2008, 84, 122-128.	1.1	47
40	Regulation of hsp70 expression in Trypanosoma cruzi by temperature and growth phase. Molecular and Biochemical Parasitology, 1992, 53, 201-211.	0.5	45
41	Computational Prediction and Experimental Assessment of Secreted/Surface Proteins from Mycobacterium tuberculosis H37Rv. PLoS Computational Biology, 2010, 6, e1000824.	1.5	45
42	Immune response after oral administration of the encapsulated malaria synthetic peptide SPf66. International Journal of Pharmaceutics, 2003, 260, 273-282.	2.6	43
43	Distribution Patterns of Infection with Multiple Types of Human Papillomaviruses and Their Association with Risk Factors. PLoS ONE, 2011, 6, e14705.	1.1	42
44	Î³-Irradiation effects on biopharmaceutical properties of PLGA microspheres loaded with SPf66 synthetic vaccine. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 519-526.	2.0	41
45	Immunization of Owl Monkeys with a Combination of Plasmodium Falciparum Asexual Blood-Stage Synthetic Peptide Antigens. American Journal of Tropical Medicine and Hygiene, 1990, 43, 355-366.	0.6	41
46	Functional and Structural Similarity of VÎ³9VÎ´2 T Cells in Humans andAotusMonkeys, a Primate Infection Model forPlasmodium falciparumMalaria. Journal of Immunology, 2001, 167, 6421-6430.	0.4	40
47	Hepatitis C virus (HCV) E1 and E2 protein regions that specifically bind to HepG2 cells. Journal of Hepatology, 2002, 36, 254-262.	1.8	40
48	Plasmodium vivax Promiscuous T-Helper Epitopes Defined and Evaluated as Linear Peptide Chimera Immunogens. Infection and Immunity, 2002, 70, 3479-3492.	1.0	39
49	Plasmodium vivax Duffy binding protein peptides specifically bind to reticulocytes. Peptides, 2002, 23, 13-22.	1.2	37
50	The DNA load of six high-risk human papillomavirus types and its association with cervical lesions. BMC Cancer, 2015, 15, 100.	1.1	36
51	Plasmodium falciparum pre-erythrocytic stage vaccine development. Malaria Journal, 2020, 19, 56.	0.8	36
52	Serine repeat antigen peptides which bind specifically to red blood cells. Parasitology International, 2000, 49, 105-117.	0.6	35
53	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
54	Designing and optimizing new antimicrobial peptides: all targets are not the same. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 351-373.	2.7	35

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55	NMR structure of Plasmodium falciparum malaria peptide correlates with protective immunity. Biochimica Et Biophysica Acta - General Subjects, 2002, 1571, 27-33.	1.1	34
56	Protection against experimental malaria associated with AMA-1 peptide analogue structures. FEBS Letters, 2002, 527, 95-100.	1.3	33
57	Protection against experimental P.Âfalciparum malaria is associated with short AMA-1 peptide analogue Î±-helical structures. Biochimie, 2002, 84, 1181-1188.	1.3	33
58	MHC allele-specific binding of a malaria peptide makes it become promiscuous on fitting a glycine residue into pocket 6. Biochemical and Biophysical Research Communications, 2003, 307, 148-156.	1.0	33
59	Isolation and identification of mycobacteria in New World primates maintained in captivity. Veterinary Microbiology, 2004, 98, 285-295.	0.8	33
60	Mapping of the linear antigenic determinants of the Leishmania infantum Hsp70 recognized by leishmaniasis sera. Immunology Letters, 1996, 52, 73-79.	1.1	32
61	Identification of the Leishmania infantum P0 ribosomal protein epitope in canine visceral leishmaniasis. Immunology Letters, 1995, 48, 23-28.	1.1	31
62	Identification and polymorphism of Plasmodium vivax RBP-1 peptides which bind specifically to reticulocytes. Peptides, 2002, 23, 2265-2277.	1.2	31
63	Validating subcellular localization prediction tools with mycobacterial proteins. BMC Bioinformatics, 2009, 10, 134.	1.2	31
64	High Plasmodium malariae Prevalence in an Endemic Area of the Colombian Amazon Region. PLoS ONE, 2016, 11, e0159968.	1.1	31
65	Plasmodium vivax: Polymorphism in the Merozoite Surface Protein 1 Gene from Wild Colombian Isolates. Experimental Parasitology, 2000, 95, 215-219.	0.5	30
66	Analysis of a Plasmodium falciparum EBA-175 peptide with high binding capacity to erythrocytes and their analogues using 1H NMR. Journal of Structural Biology, 2003, 141, 115-121.	1.3	30
67	Major Histocompatibility Complex and T Cell Interactions of a Universal T Cell Epitope from Plasmodium falciparum Circumsporozoite Protein. Journal of Biological Chemistry, 2006, 281, 14907-14917.	1.6	30
68	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
69	Mapping of the antigenic determinants of the T. cruzi kinetoplastid membrane protein-11. Identification of a linear epitope specifically recognized by human Chagasic sera. Clinical and Experimental Immunology, 2001, 123, 465-471.	1.1	29
70	Synthesis, Biological, and Immunological Properties of Cyclic Peptides fromPlasmodium Falciparum Merozoite Surface Protein-1. Angewandte Chemie - International Edition, 2001, 40, 2631-2635.	7.2	29
71	Modified merozoite surface protein-1 peptides with short alpha helical regions are associated with inducing protection against malaria. FEBS Journal, 2003, 270, 3946-3952.	0.2	28
72	Alpha helix shortening in 1522 MSP-1 conserved peptide analogs is associated with immunogenicity and protection against P. falciparum malaria. Proteins: Structure, Function and Bioinformatics, 2003, 50, 400-409.	1.5	28

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73	Immunogenicity and Protectivity of Plasmodium falciparum EBA-175 Peptide and Its Analog Is Associated with Î±-Helical Region Shortening and Displacement. Biological Chemistry, 2003, 384, 1443-50.	1.2	28
74	Enhancing Immunogenicity and Reducing Dose of Microparticulated Synthetic Vaccines: Single Intradermal Administration. Pharmaceutical Research, 2004, 21, 121-126.	1.7	28
75	Identification of conserved erythrocyte binding regions in members of the Plasmodium falciparum Cys6 lipid raft-associated protein family. Vaccine, 2009, 27, 3953-3962.	1.7	28
76	NClassG+: A classifier for non-classically secreted Gram-positive bacterial proteins. BMC Bioinformatics, 2011, 12, 21.	1.2	28
77	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
78	Plasmodium falciparum circumsporozoite (CS) protein peptides specifically bind to HepG2 cells. Vaccine, 2001, 19, 4487-4495.	1.7	27
79	Distorting Malaria Peptide Backbone Structure to Enable Fitting into MHC Class II Molecules Renders Modified Peptides Immunogenic and Protective. Journal of Medicinal Chemistry, 2003, 46, 2250-2253.	2.9	27
80	Identification of Three gp350/220 Regions Involved in Epstein-Barr Virus Invasion of Host Cells. Journal of Biological Chemistry, 2005, 280, 35598-35605.	1.6	27
81	Identification and characterisation of the Plasmodium vivax rhoptry-associated protein 2. Biochemical and Biophysical Research Communications, 2005, 337, 853-859.	1.0	27
82	Determination of the immunization schedule for field trials with the synthetic malaria vaccine SPf 66. Parasite Immunology, 1992, 14, 95-109.	0.7	26
83	In human malaria protective antibodies are directed mainly against the Lys-Glu ion pair within the Lys-Glu-Lys motif of the synthetic vaccine SPf 66. Parasite Immunology, 1992, 14, 111-124.	0.7	26
84	An Alpha Helix Conformationally Restricted Peptide Is Recognized by Cervical Carcinoma Patients' Sera. Journal of Medicinal Chemistry, 2003, 46, 5389-5394.	2.9	26
85	Shortening and modifying the 1513 MSP-1 peptideâ€™s Î±-helical region induces protection against malaria. Biochemical and Biophysical Research Communications, 2004, 315, 418-427.	1.0	26
86	Molecular analysis of HLA DR4-/Î²1 gene in malaria vaccinees. Typing and subtyping by PCR technique and oligonucleotides. Parasite Immunology, 1991, 13, 201-210.	0.7	25
87	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
88	Functional, Immunological and Three-Dimensional Analysis of Chemically Synthesised Sporozoite Peptides as Components of a Fully-Effective Antimalarial Vaccine. Current Medicinal Chemistry, 2011, 18, 4470-4502.	1.2	25
89	Anti-Group A Streptococcal Vaccine Epitope. Journal of Biological Chemistry, 2011, 286, 6989-6998.	1.6	25
90	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

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91	Amino terminal peptides of the ring infected erythrocyte surface antigen of Plasmodium falciparum bind specifically to erythrocytes. Vaccine, 2000, 18, 1289-1293.	1.7	24
92	Sequence and expression of MHC-DPB1 molecules of the New World monkey Aotus nancymaae, a primate model for Plasmodium falciparum. Immunogenetics, 2002, 54, 251-259.	1.2	24
93	A specific T-cell receptor genotype preference in the immune response to a synthetic Plasmodium falciparum malaria vaccine. Parasite Immunology, 1992, 14, 87-94.	0.7	23
94	Plasmodium falciparum: red blood cell binding studies of peptides derived from histidine-rich KAHRP-I, HRP-II and HRP-III proteins. Acta Tropica, 2000, 75, 349-359.	0.9	23
95	6746 SERA peptide analogues immunogenicity and protective efficacy against malaria is associated with short Î± helix formation:. Peptides, 2003, 24, 999-1006.	1.2	23
96	Identifying putativeMycobacterium tuberculosisRv2004c protein sequences that bind specifically to U937 macrophages and A549 epithelial cells. Protein Science, 2005, 14, 2767-2780.	3.1	23
97	Peptides Inducing Short-Lived Antibody Responses againstPlasmodium falciparumMalaria Have Shorter Structures and Are Read in a Different MHC II Functional Registerâ€. Biochemistry, 2005, 44, 6745-6754.	1.2	23
98	Leishmania: Fine Mapping of the Leishmanolysin Molecule's Conserved Core Domains Involved in Binding and Internalization. Experimental Parasitology, 1999, 93, 7-22.	0.5	22
99	Antigenic properties of the Leishmania infantum GRP94 and mapping of linear B-cell epitopes. Immunology Letters, 2002, 80, 199-205.	1.1	22
100	Electronic Energy and Multipolar Moments Characterize Amino Acid Side Chains into Chemically Related Groups. Journal of Physical Chemistry A, 2003, 107, 10090-10097.	1.1	22
101	Modifying RESA protein peptide 6671 to fit into HLA-DRÎ²1* pockets induces protection against malaria. Biochemical and Biophysical Research Communications, 2004, 315, 1154-1164.	1.0	22
102	Functional, structural, and immunological compartmentalisation of malaria invasive proteins. Biochemical and Biophysical Research Communications, 2007, 354, 363-371.	1.0	22
103	Structural characterisation of sporozoite components for a multistage, multi-epitope, anti-malarial vaccine. International Journal of Biochemistry and Cell Biology, 2008, 40, 543-557.	1.2	22
104	Mycobacterium tuberculosis Rv0679c protein sequences involved in host-cell infection: Potential TB vaccine candidate antigen. BMC Microbiology, 2010, 10, 109.	1.3	22
105	Frequency of Human Papillomavirus Infection, Coinfection, and Association with Different Risk Factors in Colombia. Annals of Epidemiology, 2011, 21, 204-213.	0.9	22
106	P. falciparum: merozoite surface protein-8 peptides bind specifically to human erythrocytes. Peptides, 2003, 24, 1015-1023.	1.2	21
107	Structural Modifications Enable Conserved Peptides to Fit into MHC Molecules thus Inducing Protection against Malaria. ChemBioChem, 2004, 5, 1588-1593.	1.3	21
108	Identifying Plasmodium falciparum merozoite surface protein-10 human erythrocyte specific binding regions. Biochimie, 2005, 87, 461-472.	1.3	21

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109	BTM-P1 polycationic peptide biological activity and 3D-dimensional structure. Biochemical and Biophysical Research Communications, 2007, 353, 908-914.	1.0	21
110	Mapping of antigenic determinants of the T. cruzi HSP70 in chagasic and healthy individuals. Molecular Immunology, 1993, 30, 1115-1121.	1.0	20
111	Constitutive Î±VÎ²3 integrin-mediated adhesion of human lymphoid B cells to vitronectin substrate. Cellular Immunology, 1995, 160, 165-172.	1.4	20
112	Plasmodium vivax: functional analysis of a highly conserved PvRBP-1 protein region. Molecular and Biochemical Parasitology, 2001, 117, 229-234.	0.5	20
113	1H-NMR structures of the Plasmodium falciparum 1758 erythrocyte binding peptide analogues and protection against malaria. Life Sciences, 2002, 71, 2773-2785.	2.0	20
114	Identification, cloning, and sequencing of different cytokine genes in four species of owl monkey. Immunogenetics, 2002, 54, 645-653.	1.2	20
115	IdentifyingPlasmodium falciparummerozoite surface antigen 3 (MSP3) protein peptides that bind specifically to erythrocytes and inhibit merozoite invasion. Protein Science, 2005, 14, 1778-1786.	3.1	20
116	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
117	Plasmodium malariae in the Colombian Amazon region: you donâ€™t diagnose what you donâ€™t suspect. Malaria Journal, 2016, 15, 576.	0.8	20
118	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
119	Characterizing T-cell receptor gamma-variable gene in Aotus nancymaae owl monkey peripheral blood. Tissue Antigens, 2003, 62, 472-482.	1.0	19
120	The T-cell receptor in primates: identifying and sequencing new owl monkey TRBV gene sub-groups. Immunogenetics, 2005, 57, 42-52.	1.2	19
121	Allele effects in MHCâ€“peptide interactions: A theoretical analysis of HLA-DRÎ²1*0101-HA and HLA-DRÎ²1*0401-HA complexes. Biochemical and Biophysical Research Communications, 2005, 330, 1162-1167.	1.0	19
122	Structural and immunological analysis of circumsporozoite protein peptides: A further step in the identification of potential components of a minimal subunit-based, chemically synthesised antimalarial vaccine. Vaccine, 2008, 26, 6908-6918.	1.7	19
123	Identification of the Plasmodium falciparum rhoptry neck protein 5 (PfRON5). Gene, 2011, 474, 22-28.	1.0	19
124	Identification, characterization and antigenicity of the Plasmodium vivax rhoptry neck protein 1 (PvRON1). Malaria Journal, 2011, 10, 314.	0.8	19
125	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
126	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

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127	How to Combat Gram-Negative Bacteria Using Antimicrobial Peptides: A Challenge or an Unattainable Goal?. Antibiotics, 2021, 10, 1499.	1.5	19
128	Activation Pattern and Toxicity of the Cry11Bb1 Toxin of Bacillus thuringiensis Subsp. Medellin. Journal of Invertebrate Pathology, 2000, 76, 56-62.	1.5	18
129	Amino acid dimorphism and parasite immune evasion: cellular immune responses to a promiscuous epitope ofPlasmodium falciparum merozoite surface protein?1 displaying dimorphic amino acid polymorphism are highly constrained. European Journal of Immunology, 2002, 32, 3667-3677.	1.6	18
130	Peptides of the liver stage antigen-1 (LSA-1) of Plasmodium falciparum bind to human hepatocytes. Peptides, 2003, 24, 647-657.	1.2	18
131	MHC class I genes in the owl monkey: mosaic organisation, convergence and loci diversity. Immunogenetics, 2005, 56, 818-832.	1.2	18
132	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
133	Peptides from the Plasmodium falciparum STEVOR putative protein bind with high affinity to normal human red blood cells. Peptides, 2005, 26, 1133-1143.	1.2	18
134	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
135	Identifying Merozoite Surface Protein 4 and Merozoite Surface Protein 7 Plasmodium falciparum Protein Family Members Specifically Binding to Human Erythrocytes Suggests a New Malarial Parasite-Redundant Survival Mechanism. Journal of Medicinal Chemistry, 2007, 50, 5665-5675.	2.9	18
136	Quantum Chemical Analysis of MHC-Peptide Interactions for Vaccine Design. Mini-Reviews in Medicinal Chemistry, 2010, 10, 746-758.	1.1	18
137	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
138	A New Synthetic Peptide Having Two Target of Antibacterial Action in E. coli ML35. Frontiers in Microbiology, 2016, 7, 2006.	1.5	18
139	Malaria vaccines. Journal of Clinical Immunology, 1996, 16, 183-189.	2.0	17
140	Orientating Peptide Residues and Increasing the Distance between Pockets to Enable Fitting into MHCâ^'TCR Complex Determine Protection against Malaria. Biochemistry, 2004, 43, 6545-6553.	1.2	17
141	Quantum chemical analysis explains hemagglutinin peptideâ€“MHC Class II molecule HLA-DRÎ²1*0101 interactions. Biochemical and Biophysical Research Communications, 2004, 323, 1265-1277.	1.0	17
142	Mycobacterium tuberculosisRv2536 protein implicated in specific binding to human cell lines. Protein Science, 2005, 14, 2236-2245.	3.1	17
143	Studies of Plasmodium falciparum rhoptry-associated membrane antigen (RAMA) protein peptides specifically binding to human RBC. Vaccine, 2008, 26, 853-862.	1.7	17
144	Atomic evidence that modification of H-bonds established with amino acids critical for host-cell binding induces sterile immunity against malaria. Biochemical and Biophysical Research Communications, 2010, 394, 529-535.	1.0	17

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145	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
146	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
147	Phi (Î¦) and psi (Î¨) angles involved in malarial peptide bonds determine sterile protective immunity. Biochemical and Biophysical Research Communications, 2012, 429, 75-80.	1.0	17
148	Mce4F Mycobacterium tuberculosis protein peptides can inhibit invasion of human cell lines. Pathogens and Disease, 2015, 73, .	0.8	17
149	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
150	Identification of Plasmodium falciparum reticulocyte binding protein RBP-2 homologue a and b (PfRBP-2-Ha and -Hb) sequences that specifically bind to erythrocytes. Parasitology International, 2004, 53, 77-88.	0.6	16
151	Plasmodium falciparum: red blood cell binding studies using peptides derived from rhoptry-associated protein 2 (RAP2). Biochimie, 2004, 86, 1-6.	1.3	16
152	MAEBL Plasmodium falciparum protein peptides bind specifically to erythrocytes and inhibit in vitro merozoite invasion. Biochemical and Biophysical Research Communications, 2004, 315, 319-329.	1.0	16
153	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
154	Characterization of Plasmodium falciparum integral membrane protein Pf25â€MP and identification of its red blood cell binding sequences inhibiting merozoite invasion in vitro. Protein Science, 2008, 17, 1494-1504.	3.1	16
155	Comparison of the adjuvanticity of two different delivery systems on the induction of humoral and cellular responses to synthetic peptides. Drug Delivery, 2010, 17, 490-499.	2.5	16
156	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
157	Characterizing cellular immune response to kinetoplastid membrane protein-11 (KMP-11) during Leishmania (Viannia) panamensis infection using dendritic cells (DCs) as antigen presenting cells (APCs). Parasite Immunology, 2003, 25, 199-209.	0.7	15
158	Plasmodium falciparum normocyte binding protein (PfNBP-1) peptides bind specifically to human erythrocytes. Peptides, 2003, 24, 1007-1014.	1.2	15
159	Changing ABRA protein peptide to fit into the HLA-DRÎ²1*0301 molecule renders it protection-inducing. Biochemical and Biophysical Research Communications, 2004, 322, 119-125.	1.0	15
160	Reference strand conformational analysis (RSCA) is a valuable tool in identifying MHC-DRB sequences in three species of Aotus monkeys. Immunogenetics, 2006, 58, 590-597.	1.2	15
161	Synthetic vaccine update: Applying lessons learned from recent SPf66 malarial vaccine physicochemical, structural and immunological characterization. Vaccine, 2007, 25, 4487-4501.	1.7	15
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