

Hernando Curtidor

List of Publications by Year in descending order

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102
papers

1,866
citations

331670

21
h-index

377865

34
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104
all docs

104
docs citations

104
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Plasmodium falciparum MSP-1 peptides able to bind to human red blood cells. Parasite Immunology, 1996, 18, 515-526.	1.5	132
2	Intimate Molecular Interactions of <i>P. falciparum</i> Merozoite Proteins Involved in Invasion of Red Blood Cells and Their Implications for Vaccine Design. Chemical Reviews, 2008, 108, 3656-3705.	47.7	94
3	Plasmodium falciparum EBA-175 kDa protein peptides which bind to human red blood cells. Parasitology, 2000, 120, 225-235.	1.5	91
4	Plasmodium vivax in vitro continuous culture: the spoke in the wheel. Malaria Journal, 2018, 17, 301.	2.3	57
5	Plasmodium vivax MSP-1 peptides have high specific binding activity to human reticulocytes. Vaccine, 2002, 20, 1331-1339.	3.8	56
6	Two MSP-2 peptides that bind to human red blood cells are relevant to Plasmodium falciparum merozoite invasion. Chemical Biology and Drug Design, 2000, 55, 216-223.	1.1	54
7	Plasmodium falciparum acid basic repeat antigen (ABRA) peptides: erythrocyte binding and biological activity. Vaccine, 2001, 19, 4496-4504.	3.8	49
8	Hepatitis C virus (HCV) E1 and E2 protein regions that specifically bind to HepG2 cells. Journal of Hepatology, 2002, 36, 254-262.	3.7	40
9	Plasmodium vivax Duffy binding protein peptides specifically bind to reticulocytes. Peptides, 2002, 23, 13-22.	2.4	37
10	Pv RON2, a new Plasmodium vivax rhoptry neck antigen. Malaria Journal, 2011, 10, 60.	2.3	35
11	Designing and optimizing new antimicrobial peptides: all targets are not the same. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 351-373.	6.1	35
12	Identification and polymorphism of Plasmodium vivax RBP-1 peptides which bind specifically to reticulocytes. Peptides, 2002, 23, 2265-2277.	2.4	31
13	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.	2.3	29
14	Plasmodium vivax ligand-receptor interaction: PvAMA-1 domain I contains the minimal regions for specific interaction with CD71+ reticulocytes. Scientific Reports, 2017, 7, 9616.	3.3	29
15	Identification of conserved erythrocyte binding regions in members of the Plasmodium falciparum Cys6 lipid raft-associated protein family. Vaccine, 2009, 27, 3953-3962.	3.8	28
16	Plasmodium falciparum circumsporozoite (CS) protein peptides specifically bind to HepG2 cells. Vaccine, 2001, 19, 4487-4495.	3.8	27
17	Annotation and characterization of the Plasmodium vivax rhoptry neck protein 4 (Pv RON4). Malaria Journal, 2013, 12, 356.	2.3	27
18	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.	2.4	25

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19	Plasmodium falciparum: red blood cell binding studies of peptides derived from histidine-rich KAHRP-I, HRP-II and HRP-III proteins. <i>Acta Tropica</i> , 2000, 75, 349-359.	2.0	23
20	Identifying putative <i>Mycobacterium tuberculosis</i> Rv2004c protein sequences that bind specifically to U937 macrophages and A549 epithelial cells. <i>Protein Science</i> , 2005, 14, 2767-2780.	7.6	23
21	<i>Mycobacterium tuberculosis</i> Rv0679c protein sequences involved in host-cell infection: Potential TB vaccine candidate antigen. <i>BMC Microbiology</i> , 2010, 10, 109.	3.3	22
22	<i>P. falciparum</i> : merozoite surface protein-8 peptides bind specifically to human erythrocytes. <i>Peptides</i> , 2003, 24, 1015-1023.	2.4	21
23	Identifying <i>Plasmodium falciparum</i> merozoite surface protein-10 human erythrocyte specific binding regions. <i>Biochimie</i> , 2005, 87, 461-472.	2.6	21
24	Identifying <i>Plasmodium falciparum</i> merozoite surface antigen 3 (MSP3) protein peptides that bind specifically to erythrocytes and inhibit merozoite invasion. <i>Protein Science</i> , 2005, 14, 1778-1786.	7.6	20
25	Identification of the <i>Plasmodium falciparum</i> rhoptry neck protein 5 (PfrON5). <i>Gene</i> , 2011, 474, 22-28.	2.2	19
26	Peptides of the liver stage antigen-1 (LSA-1) of <i>Plasmodium falciparum</i> bind to human hepatocytes. <i>Peptides</i> , 2003, 24, 647-657.	2.4	18
27	Characterising <i>Mycobacterium tuberculosis</i> Rv1510c protein and determining its sequences that specifically bind to two target cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 771-781.	2.1	18
28	Peptides from the <i>Plasmodium falciparum</i> STEVOR putative protein bind with high affinity to normal human red blood cells. <i>Peptides</i> , 2005, 26, 1133-1143.	2.4	18
29	<i>Plasmodium falciparum</i> TryThrA antigen synthetic peptides block in vitro merozoite invasion to erythrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 888-896.	2.1	18
30	Identifying Merozoite Surface Protein 4 and Merozoite Surface Protein 7 <i>Plasmodium falciparum</i> Protein Family Members Specifically Binding to Human Erythrocytes Suggests a New Malarial Parasite-Redundant Survival Mechanism. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5665-5675.	6.4	18
31	A New Synthetic Peptide Having Two Target of Antibacterial Action in <i>E. coli</i> ML35. <i>Frontiers in Microbiology</i> , 2016, 7, 2006.	3.5	18
32	<i>Mycobacterium tuberculosis</i> Rv2536 protein implicated in specific binding to human cell lines. <i>Protein Science</i> , 2005, 14, 2236-2245.	7.6	17
33	Studies of <i>Plasmodium falciparum</i> rhoptry-associated membrane antigen (RAMA) protein peptides specifically binding to human RBC. <i>Vaccine</i> , 2008, 26, 853-862.	3.8	17
34	A single amino acid change in the <i>Plasmodium falciparum</i> RH5 (PfrRH5) human RBC binding sequence modifies its structure and determines species-specific binding activity. <i>Vaccine</i> , 2012, 30, 637-646.	3.8	17
35	Mce4F <i>Mycobacterium tuberculosis</i> protein peptides can inhibit invasion of human cell lines. <i>Pathogens and Disease</i> , 2015, 73, .	2.0	17
36	Identification of <i>Plasmodium falciparum</i> reticulocyte binding protein RBP-2 homologue a and b (PfrBP-2-Ha and -Hb) sequences that specifically bind to erythrocytes. <i>Parasitology International</i> , 2004, 53, 77-88.	1.3	16

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37	Plasmodium falciparum: red blood cell binding studies using peptides derived from rhoptry-associated protein 2 (RAP2). <i>Biochimie</i> , 2004, 86, 1-6.	2.6	16
38	MAEBL Plasmodium falciparum protein peptides bind specifically to erythrocytes and inhibit in vitro merozoite invasion. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 319-329.	2.1	16
39	Identifying Plasmodium falciparum cytoadherence-linked asexual protein 3 (CLAG 3) sequences that specifically bind to C32 cells and erythrocytes. <i>Protein Science</i> , 2005, 14, 504-513.	7.6	16
40	Characterization of Plasmodium falciparum integral membrane protein Pf25kDMP and identification of its red blood cell binding sequences inhibiting merozoite invasion in vitro. <i>Protein Science</i> , 2008, 17, 1494-1504.	7.6	16
41	Specific Interaction between Mycobacterium tuberculosis Lipoprotein-derived Peptides and Target Cells Inhibits Mycobacterial Entry In Vitro. <i>Chemical Biology and Drug Design</i> , 2014, 84, 626-641.	3.2	16
42	Plasmodium falciparum normocyte binding protein (PfNBP-1) peptides bind specifically to human erythrocytes. <i>Peptides</i> , 2003, 24, 1007-1014.	2.4	15
43	Changing ABRA protein peptide to fit into the HLA-DR ²¹ *0301 molecule renders it protection-inducing. <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 119-125.	2.1	15
44	Identification of Plasmodium falciparum RhopH3 protein peptides that specifically bind to erythrocytes and inhibit merozoite invasion. <i>Protein Science</i> , 2008, 17, 1719-1730.	7.6	15
45	Mammaglobin peptide as a novel biomarker for breast cancer detection. <i>Cancer Biology and Therapy</i> , 2013, 14, 327-332.	3.4	15
46	Receptor-ligand and parasite protein-protein interactions in Plasmodium vivax: Analysing rhoptry neck proteins 2 and 4. <i>Cellular Microbiology</i> , 2018, 20, e12835.	2.1	15
47	Plasmodium falciparum EBA-140 kDa protein peptides that bind to human red blood cells. <i>Chemical Biology and Drug Design</i> , 2003, 62, 175-184.	1.1	14
48	Specific erythrocyte binding capacity and biological activity of Plasmodium falciparum-derived rhoptry-associated protein 1 peptides. <i>Vaccine</i> , 2004, 22, 1054-1062.	3.8	14
49	Specific erythrocyte binding capacity and biological activity of Plasmodium falciparum erythrocyte binding ligand 1 (EBL-1)-derived peptides. <i>Protein Science</i> , 2005, 14, 464-473.	7.6	14
50	Plasmodium falciparum merozoite surface protein 6 (MSP-6) derived peptides bind erythrocytes and partially inhibit parasite invasion. <i>Peptides</i> , 2006, 27, 1685-1692.	2.4	14
51	Characterizing the Mycobacterium tuberculosis Rv2707 protein and determining its sequences which specifically bind to two human cell lines. <i>Protein Science</i> , 2008, 17, 342-351.	7.6	14
52	Immune protection-inducing protein structures (IMPIPS) against malaria: the weapons needed for beating Odysseus. <i>Vaccine</i> , 2015, 33, 7525-7537.	3.8	14
53	Plasmodium falciparum : binding studies of peptide derived from the sporozoite surface protein 2 to Hep G2 cells. <i>Chemical Biology and Drug Design</i> , 2001, 58, 285-292.	1.1	13
54	Human papillomavirus type 16 and 18 L1 protein peptide binding to VERO and HeLa cells inhibits their VLPs binding. <i>International Journal of Cancer</i> , 2003, 107, 416-424.	5.1	13

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55	Sporozoite and Liver Stage Antigen Plasmodium falciparum peptides bind specifically to human hepatocytes. <i>Vaccine</i> , 2004, 22, 1150-1156.	3.8	13
56	The <i>Mycobacterium tuberculosis</i> membrane protein Rv2560â€™â€™biochemical and functional studies. <i>FEBS Journal</i> , 2007, 274, 6352-6364.	4.7	13
57	Conserved high activity binding peptides from the Plasmodium falciparum Pf34 rhoptry protein inhibit merozoites in vitro invasion of red blood cells. <i>Peptides</i> , 2010, 31, 1987-1994.	2.4	13
58	Recent advances in the development of a chemically synthesised anti-malarial vaccine. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 1567-1581.	3.1	13
59	Towards designing a synthetic antituberculosis vaccine: The Rv3587c peptide inhibits mycobacterial entry to host cells. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2401-2409.	3.0	13
60	In silico and in vitro analysis of boAP3d1 protein interaction with bovine leukaemia virus gp51. <i>PLoS ONE</i> , 2018, 13, e0199397.	2.5	13
61	A GBP 130 derived peptide from Plasmodium falciparum binds to human erythrocytes and inhibits merozoite invasion in vitro. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2000, 95, 495-501.	1.6	12
62	Conserved High Activity Binding Peptides are Involved in Adhesion of Two Detergent-Resistant Membrane-Associated Merozoite Proteins to Red Blood Cells during Invasion. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3907-3918.	6.4	12
63	Biological and structural characteristics of the binding peptides from the sporozoite proteins essential for cell traversal (SPECT)-1 and -2. <i>Peptides</i> , 2011, 32, 154-160.	2.4	12
64	Peptides derived from Mycobacterium tuberculosis Rv2301 protein are involved in invasion to human epithelial cells and macrophages. <i>Amino Acids</i> , 2012, 42, 2067-2077.	2.7	12
65	Substance P and Calcitonin geneâ€™related peptide expression in human periodontal ligament after root canal preparation with Reciproc Blue, WaveOne Gold, <sc>XP</sc> EndoShaper and hand files. <i>International Endodontic Journal</i> , 2018, 51, 1358-1366.	5.0	12
66	Functional characterization of Mycobacterium tuberculosis Rv2969c membrane protein. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 935-940.	2.1	11
67	Structural modifications to a high-activity binding peptide located within the PfEMP1 NTS domain induce protection against P. falciparum malaria in Aotus monkeys. <i>Biological Chemistry</i> , 2007, 388, 25-36.	2.5	10
68	Peptides derived from the Mycobacterium tuberculosis Rv1490 surface protein implicated in inhibition of epithelial cell entry: Potential vaccine candidates?. <i>Vaccine</i> , 2008, 26, 4387-4395.	3.8	10
69	Synthetic peptides from two Pf sporozoite invasion-associated proteins specifically interact with HeLa and HepG2 cells. <i>Peptides</i> , 2011, 32, 1902-1908.	2.4	10
70	Self-assembling functional programmable protein array for studying proteinâ€™protein interactions in malaria parasites. <i>Malaria Journal</i> , 2018, 17, 270.	2.3	10
71	Identification of specific Hep G2 cell binding regions in Plasmodium falciparum sporozoiteâ€™threonineâ€™asparagine-rich protein (STARP). <i>Vaccine</i> , 2003, 21, 2404-2411.	3.8	9
72	Liver stage antigen 3 Plasmodium falciparum peptides specifically interacting with HepG2 cells. <i>Journal of Molecular Medicine</i> , 2004, 82, 600-11.	3.9	9

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73	Amino terminal peptides from the Plasmodium falciparum EBA-181/JESEL protein bind specifically to erythrocytes and inhibit in vitro merozoite invasion. <i>Biochimie</i> , 2005, 87, 425-436.	2.6	9
74	Synthetic peptides from Plasmodium falciparum apical membrane antigen 1 (AMA-1) specifically interacting with human hepatocytes. <i>Biochimie</i> , 2006, 88, 1447-1455.	2.6	9
75	Mycobacterium tuberculosis surface protein Rv0227c contains high activity binding peptides which inhibit cell invasion. <i>Peptides</i> , 2012, 38, 208-216.	2.4	9
76	Plasmodium falciparum rhoptry neck protein 5 peptides bind to human red blood cells and inhibit parasite invasion. <i>Peptides</i> , 2014, 53, 210-217.	2.4	9
77	Conserved Binding Regions Provide the Clue for Peptide-Based Vaccine Development: A Chemical Perspective. <i>Molecules</i> , 2017, 22, 2199.	3.8	9
78	Synthetic peptides from conserved regions of the Plasmodium falciparum early transcribed membrane and ring exported proteins bind specifically to red blood cell proteins. <i>Vaccine</i> , 2009, 27, 6877-6886.	3.8	8
79	Peptides from the Mycobacterium tuberculosis Rv1980c protein involved in human cell infection: insights into new synthetic subunit vaccine candidates. <i>Biological Chemistry</i> , 2010, 391, 207-217.	2.5	8
80	The role of Mycobacterium tuberculosis Rv3166c protein-derived high-activity binding peptides in inhibiting invasion of human cell lines. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 235-242.	2.1	8
81	Rh1 high activity binding peptides inhibit high percentages of Plasmodium falciparum FVO strain invasion. <i>Vaccine</i> , 2013, 31, 1830-1837.	3.8	8
82	Using the PfEMP1 Head Structure Binding Motif to Deal a Blow at Severe Malaria. <i>PLoS ONE</i> , 2014, 9, e88420.	2.5	8
83	Identifying Plasmodium falciparum EBA-175 homologue sequences that specifically bind to human erythrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 835-844.	2.1	7
84	Identification of peptides with high red blood cell and hepatocyte binding activity in the Plasmodium falciparum multi-stage invasion proteins: PfSPATR and MCP-1. <i>Biochimie</i> , 2008, 90, 1750-1759.	2.6	7
85	Well-Defined Regions of the Plasmodium falciparum Reticulocyte Binding Protein Homologue 4 Mediate Interaction with Red Blood Cell Membrane. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 811-821.	6.4	7
86	Sequences of the Plasmodium falciparum cytoadherence-linked asexual protein 9 implicated in malaria parasite invasion to erythrocytes. <i>Vaccine</i> , 2010, 28, 2653-2663.	3.8	7
87	Binding activity, structure, and immunogenicity of synthetic peptides derived from Plasmodium falciparum CelTOS and TRSP proteins. <i>Amino Acids</i> , 2012, 43, 365-378.	2.7	7
88	Shorter Antibacterial Peptide Having High Selectivity for E. coli Membranes and Low Potential for Inducing Resistance. <i>Microorganisms</i> , 2020, 8, 867.	3.6	7
89	A Maurer's cleft-associated Plasmodium falciparum membrane-associated histidine-rich protein peptide specifically interacts with the erythrocyte membrane. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 122-126.	2.1	6
90	Identifying and characterising PPE7 (Rv0354c) high activity binding peptides and their role in inhibiting cell invasion. <i>Molecular and Cellular Biochemistry</i> , 2017, 430, 149-160.	3.1	6

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91	Evaluating the immunogenicity of chemically-synthesised peptides derived from foot-and-mouth disease VP1, VP2 and VP3 proteins as vaccine candidates. <i>Vaccine</i> , 2020, 38, 3942-3951.	3.8	6
92	High affinity interactions between red blood cell receptors and synthetic Plasmodium thrombospondin-related apical merozoite protein (PTRAMP) peptides. <i>Biochimie</i> , 2008, 90, 802-810.	2.6	5
93	Protecting capacity against malaria of chemically defined tetramer forms based on the Plasmodium falciparum apical sushi protein as potential vaccine components. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 15-23.	2.1	5
94	Characterisation of Plasmodium falciparum RESA-like protein peptides that bind specifically to erythrocytes and inhibit invasion. <i>Biological Chemistry</i> , 2007, 388, 15-24.	2.5	4
95	Conserved regions of the Plasmodium falciparum rhoptry-associated protein 3 mediate specific host-pathogen interactions during invasion of red blood cells. <i>Peptides</i> , 2010, 31, 2165-2172.	2.4	4
96	Fine mapping of Plasmodium falciparum ribosomal phosphoprotein PfPO revealed sequences with highly specific binding activity to human red blood cells. <i>Journal of Molecular Medicine</i> , 2010, 88, 61-74.	3.9	3
97	P. falciparum pro-histoaspartic protease (proHAP) protein peptides bind specifically to erythrocytes and inhibit the invasion process in vitro. <i>Biological Chemistry</i> , 2005, 386, 361-7.	2.5	2
98	Conserved regions from Plasmodium falciparum MSP11 specifically interact with host cells and have a potential role during merozoite invasion of red blood cells. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 882-892.	2.6	2
99	Sexual forms obtained in a continuous in vitro cultured Colombian strain of Plasmodium falciparum (FCB2). <i>Malaria Journal</i> , 2020, 19, 57.	2.3	2
100	Preliminary Evaluation of the Safety and Immunogenicity of an Antimalarial Vaccine Candidate Modified Peptide (IMPIPS) Mixture in a Murine Model. <i>Journal of Immunology Research</i> , 2019, 2019, 1-12.	2.2	2
101	Designing Short Peptides: A Sisyphean Task?. <i>Current Organic Chemistry</i> , 2020, 24, 2448-2474.	1.6	2
102	Parasite-Related Genetic and Epigenetic Aspects and Host Factors Influencing Plasmodium falciparum Invasion of Erythrocytes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 8, 454.	3.9	1