

Hernando Curtidor

List of Publications by Year in descending order

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102
papers

1,866
citations

331259

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104
docs citations

104
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Shorter Antibacterial Peptide Having High Selectivity for E. coli Membranes and Low Potential for Inducing Resistance. <i>Microorganisms</i> , 2020, 8, 867.	1.6	7
2	Sexual forms obtained in a continuous in vitro cultured Colombian strain of <i>Plasmodium falciparum</i> (FCB2). <i>Malaria Journal</i> , 2020, 19, 57.	0.8	2
3	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.	1.7	6
4	Designing Short Peptides: A Sisyphean Task?. <i>Current Organic Chemistry</i> , 2020, 24, 2448-2474.	0.9	2
5	Designing and optimizing new antimicrobial peptides: all targets are not the same. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2019, 56, 351-373.	2.7	35
6	Parasite-Related Genetic and Epigenetic Aspects and Host Factors Influencing <i>Plasmodium falciparum</i> Invasion of Erythrocytes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 8, 454.	1.8	1
7	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.	0.9	2
8	Receptor-ligand and parasite protein-protein interactions in <i>Plasmodium vivax</i> : Analysing rhoptry neck proteins 2 and 4. <i>Cellular Microbiology</i> , 2018, 20, e12835.	1.1	15
9	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.	1.4	13
10	Substance P and Calcitonin gene-related peptide expression in human periodontal ligament after root canal preparation with Recipro Blue, WaveOne Gold, EndoShaper and hand files. <i>International Endodontic Journal</i> , 2018, 51, 1358-1366.	2.3	12
11	In silico and in vitro analysis of boAP3d1 protein interaction with bovine leukaemia virus gp51. <i>PLoS ONE</i> , 2018, 13, e0199397.	1.1	13
12	Self-assembling functional programmable protein array for studying protein-protein interactions in malaria parasites. <i>Malaria Journal</i> , 2018, 17, 270.	0.8	10
13	<i>Plasmodium vivax</i> in vitro continuous culture: the spoke in the wheel. <i>Malaria Journal</i> , 2018, 17, 301.	0.8	57
14	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.	1.4	6
15	<i>Plasmodium vivax</i> ligand-receptor interaction: PvAMA-1 domain I contains the minimal regions for specific interaction with CD71+ reticulocytes. <i>Scientific Reports</i> , 2017, 7, 9616.	1.6	29
16	Conserved Binding Regions Provide the Clue for Peptide-Based Vaccine Development: A Chemical Perspective. <i>Molecules</i> , 2017, 22, 2199.	1.7	9
17	A New Synthetic Peptide Having Two Target of Antibacterial Action in E. coli ML35. <i>Frontiers in Microbiology</i> , 2016, 7, 2006.	1.5	18
18	Immune protection-inducing protein structures (IMPIPS) against malaria: the weapons needed for beating Odysseus. <i>Vaccine</i> , 2015, 33, 7525-7537.	1.7	14

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19	Recent advances in the development of a chemically synthesised anti-malarial vaccine. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 1567-1581.	1.4	13
20	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. <i>Malaria Journal</i> , 2015, 14, 106.	0.8	29
21	Mce4F Mycobacterium tuberculosis protein peptides can inhibit invasion of human cell lines. <i>Pathogens and Disease</i> , 2015, 73, .	0.8	17
22	Using the PfEMP1 Head Structure Binding Motif to Deal a Blow at Severe Malaria. <i>PLoS ONE</i> , 2014, 9, e88420.	1.1	8
23	Plasmodium falciparum rhoptry neck protein 5 peptides bind to human red blood cells and inhibit parasite invasion. <i>Peptides</i> , 2014, 53, 210-217.	1.2	9
24	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.	1.5	16
25	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.	1.0	5
26	Annotation and characterization of the Plasmodium vivax rhoptry neck protein 4 (Pv RON4). <i>Malaria Journal</i> , 2013, 12, 356.	0.8	27
27	Rh1 high activity binding peptides inhibit high percentages of Plasmodium falciparum FVO strain invasion. <i>Vaccine</i> , 2013, 31, 1830-1837.	1.7	8
28	Mammaglobin peptide as a novel biomarker for breast cancer detection. <i>Cancer Biology and Therapy</i> , 2013, 14, 327-332.	1.5	15
29	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.	1.0	8
30	A single amino acid change in the Plasmodium falciparum RH5 (PfRH5) human RBC binding sequence modifies its structure and determines species-specific binding activity. <i>Vaccine</i> , 2012, 30, 637-646.	1.7	17
31	Mycobacterium tuberculosis surface protein Rv0227c contains high activity binding peptides which inhibit cell invasion. <i>Peptides</i> , 2012, 38, 208-216.	1.2	9
32	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.	1.2	12
33	Binding activity, structure, and immunogenicity of synthetic peptides derived from Plasmodium falciparum CelTOS and TRSP proteins. <i>Amino Acids</i> , 2012, 43, 365-378.	1.2	7
34	Identification of the Plasmodium falciparum rhoptry neck protein 5 (PfRON5). <i>Gene</i> , 2011, 474, 22-28.	1.0	19
35	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.	1.2	12
36	Synthetic peptides from two Pf sporozoite invasion-associated proteins specifically interact with HeLa and HepG2 cells. <i>Peptides</i> , 2011, 32, 1902-1908.	1.2	10

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37	Pv RON2, a new Plasmodium vivax rhoptry neck antigen. Malaria Journal, 2011, 10, 60.	0.8	35
38	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
39	Fine mapping of Plasmodium falciparum ribosomal phosphoprotein PfPO revealed sequences with highly specific binding activity to human red blood cells. Journal of Molecular Medicine, 2010, 88, 61-74.	1.7	3
40	Mycobacterium tuberculosis Rv0679c protein sequences involved in host-cell infection: Potential TB vaccine candidate antigen. BMC Microbiology, 2010, 10, 109.	1.3	22
41	Conserved regions from Plasmodium falciparum MSP11 specifically interact with host cells and have a potential role during merozoite invasion of red blood cells. Journal of Cellular Biochemistry, 2010, 110, 882-892.	1.2	2
42	Peptides from the Mycobacterium tuberculosis Rv1980c protein involved in human cell infection: insights into new synthetic subunit vaccine candidates. Biological Chemistry, 2010, 391, 207-217.	1.2	8
43	Well-Defined Regions of the Plasmodium falciparum Reticulocyte Binding Protein Homologue 4 Mediate Interaction with Red Blood Cell Membrane. Journal of Medicinal Chemistry, 2010, 53, 811-821.	2.9	7
44	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
45	Conserved regions of the Plasmodium falciparum rhoptry-associated protein 3 mediate specific host-pathogen interactions during invasion of red blood cells. Peptides, 2010, 31, 2165-2172.	1.2	4
46	Sequences of the Plasmodium falciparum cytoadherence-linked asexual protein 9 implicated in malaria parasite invasion to erythrocytes. Vaccine, 2010, 28, 2653-2663.	1.7	7
47	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
48	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
49	Synthetic peptides from conserved regions of the Plasmodium falciparum early transcribed membrane and ring exported proteins bind specifically to red blood cell proteins. Vaccine, 2009, 27, 6877-6886.	1.7	8
50	A Maurer's cleft-associated Plasmodium falciparum membrane-associated histidine-rich protein peptide specifically interacts with the erythrocyte membrane. Biochemical and Biophysical Research Communications, 2009, 380, 122-126.	1.0	6
51	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
52	Identification of Plasmodium falciparum RhopH3 protein peptides that specifically bind to erythrocytes and inhibit merozoite invasion. Protein Science, 2008, 17, 1719-1730.	3.1	15
53	Characterization of Plasmodium falciparum integral membrane protein Pf25IMP and identification of its red blood cell binding sequences inhibiting merozoite invasion in vitro. Protein Science, 2008, 17, 1494-1504.	3.1	16
54	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

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55	Studies of Plasmodium falciparum rhoptry-associated membrane antigen (RAMA) protein peptides specifically binding to human RBC. Vaccine, 2008, 26, 853-862.	1.7	17
56	Peptides derived from the Mycobacterium tuberculosis Rv1490 surface protein implicated in inhibition of epithelial cell entry: Potential vaccine candidates?. Vaccine, 2008, 26, 4387-4395.	1.7	10
57	High affinity interactions between red blood cell receptors and synthetic Plasmodium thrombospondin-related apical merozoite protein (PTRAMP) peptides. Biochimie, 2008, 90, 802-810.	1.3	5
58	Identification of peptides with high red blood cell and hepatocyte binding activity in the Plasmodium falciparum multi-stage invasion proteins: PfSPATR and MCP-1. Biochimie, 2008, 90, 1750-1759.	1.3	7
59	Functional characterization of Mycobacterium tuberculosis Rv2969c membrane protein. Biochemical and Biophysical Research Communications, 2008, 372, 935-940.	1.0	11
60	Structural modifications to a high-activity binding peptide located within the PfEMP1 NTS domain induce protection against P. falciparum malaria in Aotus monkeys. Biological Chemistry, 2007, 388, 25-36.	1.2	10
61	Characterisation of Plasmodium falciparum RESA-like protein peptides that bind specifically to erythrocytes and inhibit invasion. Biological Chemistry, 2007, 388, 15-24.	1.2	4
62	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. Journal of Medicinal Chemistry, 2007, 50, 5665-5675.	2.9	18
63	The <i>Mycobacterium tuberculosis</i> membrane protein Rv2560â€fâ€™â€f biochemical and functional studies. FEBS Journal, 2007, 274, 6352-6364.	2.2	13
64	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
65	Synthetic peptides from Plasmodium falciparum apical membrane antigen 1 (AMA-1) specifically interacting with human hepatocytes. Biochimie, 2006, 88, 1447-1455.	1.3	9
66	Plasmodium falciparum merozoite surface protein 6 (MSP-6) derived peptides bind erythrocytes and partially inhibit parasite invasion. Peptides, 2006, 27, 1685-1692.	1.2	14
67	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
68	Mycobacterium tuberculosis Rv2536 protein implicated in specific binding to human cell lines. Protein Science, 2005, 14, 2236-2245.	3.1	17
69	Identifying putative Mycobacterium tuberculosis Rv2004c protein sequences that bind specifically to U937 macrophages and A549 epithelial cells. Protein Science, 2005, 14, 2767-2780.	3.1	23
70	P. falciparum pro-histoaspartic protease (proHAP) protein peptides bind specifically to erythrocytes and inhibit the invasion process in vitro. Biological Chemistry, 2005, 386, 361-7.	1.2	2
71	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
72	Identifying Plasmodium falciparum merozoite surface protein-10 human erythrocyte specific binding regions. Biochimie, 2005, 87, 461-472.	1.3	21

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73	Amino terminal peptides from the Plasmodium falciparum EBA-181//ESEL protein bind specifically to erythrocytes and inhibit in vitro merozoite invasion. <i>Biochimie</i> , 2005, 87, 425-436.	1.3	9
74	Peptides from the Plasmodium falciparum STEVOR putative protein bind with high affinity to normal human red blood cells. <i>Peptides</i> , 2005, 26, 1133-1143.	1.2	18
75	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.	3.1	14
76	Identifying Plasmodium falciparum merozoite surface antigen 3 (MSP3) protein peptides that bind specifically to erythrocytes and inhibit merozoite invasion. <i>Protein Science</i> , 2005, 14, 1778-1786.	3.1	20
77	Liver stage antigen 3 Plasmodium falciparum peptides specifically interacting with HepG2 cells. <i>Journal of Molecular Medicine</i> , 2004, 82, 600-11.	1.7	9
78	Identification of Plasmodium falciparum 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.	0.6	16
79	Plasmodium falciparum: red blood cell binding studies using peptides derived from rhoptry-associated protein 2 (RAP2). <i>Biochimie</i> , 2004, 86, 1-6.	1.3	16
80	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.	1.0	16
81	Identifying Plasmodium falciparum EBA-175 homologue sequences that specifically bind to human erythrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 835-844.	1.0	7
82	Changing ABRA protein peptide to fit into the HLA-DR β 1*0301 molecule renders it protection-inducing. <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 119-125.	1.0	15
83	Specific erythrocyte binding capacity and biological activity of Plasmodium falciparum-derived rhoptry-associated protein 1 peptides. <i>Vaccine</i> , 2004, 22, 1054-1062.	1.7	14
84	Sporozoite and Liver Stage Antigen Plasmodium falciparum peptides bind specifically to human hepatocytes. <i>Vaccine</i> , 2004, 22, 1150-1156.	1.7	13
85	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.	2.3	13
86	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.	1.2	14
87	Peptides of the liver stage antigen-1 (LSA-1) of Plasmodium falciparum bind to human hepatocytes. <i>Peptides</i> , 2003, 24, 647-657.	1.2	18
88	P. falciparum: merozoite surface protein-8 peptides bind specifically to human erythrocytes. <i>Peptides</i> , 2003, 24, 1015-1023.	1.2	21
89	Plasmodium falciparum normocyte binding protein (PfNBP-1) peptides bind specifically to human erythrocytes. <i>Peptides</i> , 2003, 24, 1007-1014.	1.2	15
90	Identification of specific Hep G2 cell binding regions in Plasmodium falciparum sporozoite α -threonine α -asparagine-rich protein (STARP). <i>Vaccine</i> , 2003, 21, 2404-2411.	1.7	9

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91	Hepatitis C virus (HCV) E1 and E2 protein regions that specifically bind to HepG2 cells. <i>Journal of Hepatology</i> , 2002, 36, 254-262.	1.8	40
92	<i>Plasmodium vivax</i> Duffy binding protein peptides specifically bind to reticulocytes. <i>Peptides</i> , 2002, 23, 13-22.	1.2	37
93	Identification and polymorphism of <i>Plasmodium vivax</i> RBP-1 peptides which bind specifically to reticulocytes. <i>Peptides</i> , 2002, 23, 2265-2277.	1.2	31
94	<i>Plasmodium vivax</i> MSP-1 peptides have high specific binding activity to human reticulocytes. <i>Vaccine</i> , 2002, 20, 1331-1339.	1.7	56
95	<i>Plasmodium falciparum</i> acid basic repeat antigen (ABRA) peptides: erythrocyte binding and biological activity. <i>Vaccine</i> , 2001, 19, 4496-4504.	1.7	49
96	<i>Plasmodium falciparum</i> circumsporozoite (CS) protein peptides specifically bind to HepG2 cells. <i>Vaccine</i> , 2001, 19, 4487-4495.	1.7	27
97	<i>Plasmodium falciparum</i> : 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.	1.2	13
98	<i>Plasmodium falciparum</i> EBA-175 kDa protein peptides which bind to human red blood cells. <i>Parasitology</i> , 2000, 120, 225-235.	0.7	91
99	Two MSA-2 peptides that bind to human red blood cells are relevant to <i>Plasmodium falciparum</i> merozoite invasion. <i>Chemical Biology and Drug Design</i> , 2000, 55, 216-223.	1.2	54
100	A GBP 130 derived peptide from <i>Plasmodium falciparum</i> binds to human erythrocytes and inhibits merozoite invasion in vitro. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2000, 95, 495-501.	0.8	12
101	<i>Plasmodium falciparum</i> : 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.	0.9	23
102	Identification of <i>Plasmodium falciparum</i> MSP-1 peptides able to bind to human red blood cells. <i>Parasite Immunology</i> , 1996, 18, 515-526.	0.7	132