

# Magnolia Vanegas

## List of Publications by Year in descending order

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62  
papers

756  
citations

471061

17  
h-index

676716

22  
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62  
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docs citations

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times ranked

620  
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#	ARTICLE	IF	CITATIONS
1	Computational Prediction and Experimental Assessment of Secreted/Surface Proteins from <i>Mycobacterium tuberculosis</i> H37Rv. <i>PLoS Computational Biology</i> , 2010, 6, e1000824.	1.5	45
2	Serine repeat antigen peptides which bind specifically to red blood cells. <i>Parasitology International</i> , 2000, 49, 105-117.	0.6	35
3	Splenectomised and spleen intact Aotus monkeys? immune response to <i>Plasmodium vivax</i> MSP-1 protein fragments and their high activity binding peptides. <i>Vaccine</i> , 2003, 21, 4133-4144.	1.7	30
4	Modified merozoite surface protein-1 peptides with short alpha helical regions are associated with inducing protection against malaria. <i>FEBS Journal</i> , 2003, 270, 3946-3952.	0.2	28
5	Identification of conserved erythrocyte binding regions in members of the <i>Plasmodium falciparum</i> Cys6 lipid raft-associated protein family. <i>Vaccine</i> , 2009, 27, 3953-3962.	1.7	28
6	Functional, Immunological and Three-Dimensional Analysis of Chemically Synthesised Sporozoite Peptides as Components of a Fully-Effective Antimalarial Vaccine. <i>Current Medicinal Chemistry</i> , 2011, 18, 4470-4502.	1.2	25
7	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. <i>PLoS ONE</i> , 2015, 10, e0123249.	1.1	25
8	Characterisation of the <i>Plasmodium vivax</i> Pv38 antigen. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 326-330.	1.0	22
9	<i>Mycobacterium tuberculosis</i> Rv0679c protein sequences involved in host-cell infection: Potential TB vaccine candidate antigen. <i>BMC Microbiology</i> , 2010, 10, 109.	1.3	22
10	<i>P. falciparum</i> : merozoite surface protein-8 peptides bind specifically to human erythrocytes. <i>Peptides</i> , 2003, 24, 1015-1023.	1.2	21
11	The <i>Plasmodium vivax</i> Pv41 surface protein: Identification and characterization. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 1113-1117.	1.0	20
12	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. <i>Vaccine</i> , 2008, 26, 6908-6918.	1.7	19
13	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.	1.0	18
14	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.	1.2	18
15	Orientating Peptide Residues and Increasing the Distance between Pockets to Enable Fitting into MHC $\alpha$ TCR Complex Determine Protection against Malaria. <i>Biochemistry</i> , 2004, 43, 6545-6553.	1.2	17
16	<i>Mycobacterium tuberculosis</i> Rv2536 protein implicated in specific binding to human cell lines. <i>Protein Science</i> , 2005, 14, 2236-2245.	3.1	17
17	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.	1.7	17
18	Atomic evidence that modification of H-bonds established with amino acids critical for host-cell binding induces sterile immunity against malaria. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 529-535.	1.0	17

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19	Characterization of <i>Plasmodium falciparum</i> integral membrane protein Pf25kD and identification of its red blood cell binding sequences inhibiting merozoite invasion in vitro. <i>Protein Science</i> , 2008, 17, 1494-1504.	3.1	16
20	Specific Interaction between <i>Mycobacterium tuberculosis</i> 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
21	Synthetic vaccine update: Applying lessons learned from recent SPf66 malarial vaccine physicochemical, structural and immunological characterization. <i>Vaccine</i> , 2007, 25, 4487-4501.	1.7	15
22	Specific erythrocyte binding capacity and biological activity of <i>Plasmodium falciparum</i> erythrocyte binding ligand 1 (EBL-1)-derived peptides. <i>Protein Science</i> , 2005, 14, 464-473.	3.1	14
23	Characterizing the <i>Mycobacterium tuberculosis</i> Rv2707 protein and determining its sequences which specifically bind to two human cell lines. <i>Protein Science</i> , 2008, 17, 342-351.	3.1	14
24	Identification and characterization of the <i>Plasmodium vivax</i> thrombospondin-related apical merozoite protein. <i>Malaria Journal</i> , 2010, 9, 283.	0.8	14
25	Functional, biochemical and 3D studies of <i>Mycobacterium tuberculosis</i> protein peptides for an effective anti-tuberculosis vaccine. <i>Critical Reviews in Microbiology</i> , 2014, 40, 117-145.	2.7	14
26	Conserved high activity binding peptides from the <i>Plasmodium falciparum</i> Pf34 rhoptry protein inhibit merozoites in vitro invasion of red blood cells. <i>Peptides</i> , 2010, 31, 1987-1994.	1.2	13
27	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
28	MSP-1 Malaria Pseudopeptide Analogs: Biological and Immunological Significance and Three-Dimensional Structure. <i>Biological Chemistry</i> , 2003, 384, 71-82.	1.2	12
29	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.	2.9	12
30	Peptides derived from <i>Mycobacterium tuberculosis</i> Rv2301 protein are involved in invasion to human epithelial cells and macrophages. <i>Amino Acids</i> , 2012, 42, 2067-2077.	1.2	12
31	Immunologic evaluation and validation of methods using synthetic peptides derived from <i>Mycobacterium tuberculosis</i> for the diagnosis of tuberculosis infection. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 131-139.	0.8	11
32	Evidence supporting the hypothesis that specifically modifying a malaria peptide to fit into HLA-DR $\beta$ 1*03 molecules induces antibody production and protection. <i>Vaccine</i> , 2005, 23, 1579-1587.	1.7	10
33	Induction and displacement of an $\alpha$ helix in the 6725 SERA peptide analogue confers protection against <i>P. falciparum</i> malaria. <i>Vaccine</i> , 2004, 22, 1281-1289.	1.7	9
34	Structural characteristics of immunogenic liver-stage antigens derived from <i>P. falciparum</i> malarial proteins. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 455-460.	1.0	9
35	<i>Mycobacterium tuberculosis</i> surface protein Rv0227c contains high activity binding peptides which inhibit cell invasion. <i>Peptides</i> , 2012, 38, 208-216.	1.2	9
36	<i>Plasmodium falciparum</i> 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

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37	Conserved Binding Regions Provide the Clue for Peptide-Based Vaccine Development: A Chemical Perspective. <i>Molecules</i> , 2017, 22, 2199.	1.7	9
38	3D structure determination of STARP peptides implicated in <i>P. falciparum</i> invasion of hepatic cells. <i>Vaccine</i> , 2010, 28, 4989-4996.	1.7	8
39	The role of <i>Mycobacterium tuberculosis</i> 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
40	Using the PfEMP1 Head Structure Binding Motif to Deal a Blow at Severe Malaria. <i>PLoS ONE</i> , 2014, 9, e88420.	1.1	8
41	Identification of peptides with high red blood cell and hepatocyte binding activity in the <i>Plasmodium falciparum</i> multi-stage invasion proteins: PfSPATR and MCP-1. <i>Biochimie</i> , 2008, 90, 1750-1759.	1.3	7
42	Well-Defined Regions of the <i>Plasmodium falciparum</i> Reticulocyte Binding Protein Homologue 4 Mediate Interaction with Red Blood Cell Membrane. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 811-821.	2.9	7
43	Sequences of the <i>Plasmodium falciparum</i> cytoadherence-linked asexual protein 9 implicated in malaria parasite invasion to erythrocytes. <i>Vaccine</i> , 2010, 28, 2653-2663.	1.7	7
44	Binding activity, structure, and immunogenicity of synthetic peptides derived from <i>Plasmodium falciparum</i> CeltOS and TRSP proteins. <i>Amino Acids</i> , 2012, 43, 365-378.	1.2	7
45	A Maurer's cleft-associated <i>Plasmodium falciparum</i> membrane-associated histidine-rich protein peptide specifically interacts with the erythrocyte membrane. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 122-126.	1.0	6
46	Monosaccharides modulate HCV E2 protein-derived peptide biological properties. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 409-418.	1.0	5
47	Evaluation of the antigenicity of universal epitopes from PvDBPII in individuals exposed to <i>Plasmodium vivax</i> malaria. <i>Microbes and Infection</i> , 2010, 12, 1188-1197.	1.0	5
48	Protecting capacity against malaria of chemically defined tetramer forms based on the <i>Plasmodium falciparum</i> apical sushi protein as potential vaccine components. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 15-23.	1.0	5
49	<i>Mycobacterium tuberculosis</i> H37Rv LpqG Protein Peptides Can Inhibit Mycobacterial Entry through Specific Interactions. <i>Molecules</i> , 2018, 23, 526.	1.7	5
50	Conserved regions of the <i>Plasmodium falciparum</i> rho-try-associated protein 3 mediate specific host-pathogen interactions during invasion of red blood cells. <i>Peptides</i> , 2010, 31, 2165-2172.	1.2	4
51	A Large Size Chimeric Highly Immunogenic Peptide Presents Multistage <i>Plasmodium</i> Antigens as a Vaccine Candidate System against Malaria. <i>Molecules</i> , 2017, 22, 1837.	1.7	4
52	Specific $\beta$ -Turns Precede PPIIL Structures Binding to Allele-Specific HLA-DR <sup>1</sup> * PBRs in Fully-Protective Malaria Vaccine Components. <i>Frontiers in Chemistry</i> , 2018, 6, 106.	1.8	3
53	Elongating modified conserved peptides eliminates their immunogenicity and protective efficacy against <i>P. falciparum</i> malaria. <i>Journal of Structural Biology</i> , 2005, 150, 245-258.	1.3	2
54	Conserved regions from <i>Plasmodium falciparum</i> 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.	1.2	2

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55	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
56	Diagnostic Potential of the Serological Response to Synthetic Peptides from <i>Mycobacterium tuberculosis</i> Antigens for Discrimination Between Active and Latent Tuberculosis Infections. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 98.	0.9	2
57	A non-variable L1-peptide displays high sensitivity and specificity for detecting women having human papillomavirus-associated cervical lesions. <i>Peptides</i> , 2008, 29, 957-962.	1.2	1
58	Decreasing the configurational entropy and the hydrophobicity of EBV-derived peptide 11389 increased its antigenicity, immunogenicity and its ability of inducing IL-6. <i>Amino Acids</i> , 2012, 42, 2165-2175.	1.2	1
59	pâ€Methoxyphenol: A potent and effective scavenger for solidâ€phase peptide synthesis. <i>Journal of Peptide Science</i> , 2020, 26, e3251.	0.8	1
60	ESAT-6 and Ag85A Synthetic Peptides as Candidates for an Immunodiagnostic Test in Children with a Clinical Suspicion of Tuberculosis. <i>Disease Markers</i> , 2021, 2021, 1-9.	0.6	1
61	Proteolytic processing of the Cyt1Ab1 toxin produced by <i>Bacillus thuringiensis</i> subsp. medellin. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2000, 95, 693-700.	0.8	0
62	Î±-Helix peptides designed from EBV-gH protein display higher antigenicity and induction of monocyte apoptosis than the native peptide. <i>Amino Acids</i> , 2010, 39, 1507-1519.	1.2	0