Martha P Alba

List of Publications by Year
in descending order

26 papers	343 citations	759190 12 h-index	839512 18 g-index
26 all docs	26 docs citations	26 times ranked	185 citing authors

#	Article	IF	Citations
1	SM-COLSARSPROT: Highly Immunogenic Supramutational Synthetic Peptides Covering the Worldâ€™s Population. Frontiers in Immunology, 2022, 13, .	4.8	0
2	The First Chemically-Synthesised, Highly Immunogenic Anti-SARS-CoV-2 Peptides in DNA Genotyped Aotus Monkeys for Human Use. Frontiers in Immunology, 2021, 12, 724060.	4.8	5
3	Specific Î²-Turns Precede PPIIL Structures Binding to Allele-Specific HLA-DRÎ²1* PBRs in Fully-Protective Malaria Vaccine Components. Frontiers in Chemistry, 2018, 6, 106.	3.6	3
4	Functionally relevant proteins inPlasmodium falciparumhost cell invasion. Immunotherapy, 2017, 9, 131-155.	2.0	14
5	TCR-contacting residues orientation and HLA-DRÎ²* binding preference determine long-lasting protective immunity against malaria. Biochemical and Biophysical Research Communications, 2016, 477, 654-660.	2.1	7
6	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.	2.5	25
7	Using the PfEMP1 Head Structure Binding Motif to Deal a Blow at Severe Malaria. PLoS ONE, 2014, 9, e88420.	2.5	8
8	Functional, biochemical and 3D studies ofMycobacterium tuberculosisprotein peptides for an effective anti-tuberculosis vaccine. Critical Reviews in Microbiology, 2014, 40, 117-145.	6.1	14
9	Redefining an epitope of a malaria vaccine candidate, with antibodies against the N-terminal MSA-2 antigen of Plasmodium harboring non-natural peptide bonds. Amino Acids, 2013, 45, 913-935.	2.7	3
10	The high immunogenicity induced by modified sporozoitesâ€™ malarial peptides depends on their phi (Ï•) and psi (Ï) angles. Biochemical and Biophysical Research Communications, 2012, 429, 81-86.	2.1	13
11	3D structure and immunogenicity of Plasmodium falciparum sporozoite induced associated protein peptides as components of fully-protective anti-malarial vaccine. Biochemical and Biophysical Research Communications, 2011, 416, 349-355.	2.1	7
12	Biological and structural characteristics of the binding peptides from the sporozoite proteins essential for cell traversal (SPECT)-1 and -2. Peptides, 2011, 32, 154-160.	2.4	12
13	A New Approach to Obtaining Nâ€Š^{Î±}â€tâ€Bocâ€Amino Acid Aldehydes from Asparagine and Glutamine for Reduced Amide Pseudopeptide Solidâ€Phase Synthesis. Chemical Biology and Drug Design, 2011, 78, 603-611.	3.2	2
14	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
15	Anti-Group A Streptococcal Vaccine Epitope. Journal of Biological Chemistry, 2011, 286, 6989-6998.	3.4	25
16	3D structure determination of STARP peptides implicated in P. falciparum invasion of hepatic cells. Vaccine, 2010, 28, 4989-4996.	3.8	8
17	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.	2.5	10
18	Immunological and structural characterization of an epitope from the Trypanosoma cruzi KMP-11 protein. Peptides, 2007, 28, 1520-1526.	2.4	15

#	Article	IF	Citations
19	Based on HLA-DRβ1* Allele Binding Specificities, Striking Differences in Distance and TCR Contacting Residue Orientation can be Observed in Modified Protection-Inducing Malarial Synthetic Peptides. Current Medicinal Chemistry, 2005, 12, 2849-2865.	2.4	11
20	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.	2.5	23
21	Fitting modified HRP-I peptide analogue 3D structure into HLA-DR molecules induces protection against Plasmodium falciparum malaria. International Journal of Biochemistry and Cell Biology, 2005, 37, 336-349.	2.8	6
22	Modifying RESA protein peptide 6671 to fit into HLA-DRÎ²1* pockets induces protection against malaria. Biochemical and Biophysical Research Communications, 2004, 315, 1154-1164.	2.1	22
23	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.	2.1	15
24	Plasmodium falciparum SERA protein peptide analogues having short helical regions induce protection against malaria. Biochimie, 2003, 85, 651-657.	2.6	14
25	6746 SERA peptide analogues immunogenicity and protective efficacy against malaria is associated with short Î± helix formation:. Peptides, 2003, 24, 999-1006.	2.4	23
26	Protection against experimental malaria associated with AMA-1 peptide analogue structures. FEBS Letters, 2002, 527, 95-100.	2.8	33