

# Carlos F Suárez

## List of Publications by Year in descending order

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40  
papers

589  
citations

567247

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642715

23  
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42  
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42  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	SM-COLSARSPROT: Highly Immunogenic Supramutational Synthetic Peptides Covering the World's Population. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	0
2	The molecular basis for peptide-based antimalarial vaccine development targeting erythrocyte invasion by <i>P. falciparum</i> . <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 86-93.	2.1	3
3	Babesia Bovis Ligand-Receptor Interaction: AMA-1 Contains Small Regions Governing Bovine Erythrocyte Binding. <i>International Journal of Molecular Sciences</i> , 2021, 22, 714.	4.1	4
4	A comparative analysis of SLA-DRB1 genetic diversity in Colombian (creoles and commercial line) and worldwide swine populations. <i>Scientific Reports</i> , 2021, 11, 4340.	3.3	3
5	Two 20-Residue-Long Peptides Derived from Plasmodium vivax Merozoite Surface Protein 10 EGF-Like Domains Are Involved in Binding to Human Reticulocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1609.	4.1	2
6	MHCBI: a pipeline for calculating peptide-MHC binding energy using semi-empirical quantum mechanical methods with explicit/implicit solvent models. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	2
7	The First Chemically-Synthesised, Highly Immunogenic Anti-SARS-CoV-2 Peptides in DNA Genotyped Aotus Monkeys for Human Use. <i>Frontiers in Immunology</i> , 2021, 12, 724060.	4.8	5
8	Structural Modelling of KCNQ1 and KCNH2 Double Mutant Proteins, Identified in Two Severe Long QT Syndrome Cases, Reveals New Insights into Cardiac Channelopathies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12861.	4.1	2
9	Robust, Comprehensive Molecular, and Phenotypical Characterisation of Atypical Candida albicans Clinical Isolates From Bogotá, Colombia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 571147.	3.9	0
10	Plasmodium vivax Cell Traversal Protein for Ookinetes and Sporozoites (CelTOS) Functionally Restricted Regions Are Involved in Specific Host-Pathogen Interactions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 119.	3.9	6
11	Major Histocompatibility Complex Class II (DRB3) Genetic Diversity in Spanish Morucha and Colombian Normande Cattle Compared to Taurine and Zebu Populations. <i>Frontiers in Genetics</i> , 2020, 10, 1293.	2.3	16
12	Malaria: Paving the way to developing peptide-based vaccines against invasion in infectious diseases. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 1021-1026.	2.1	5
13	Fundamentos y aplicaciones biomédicas de las principales tecnologías de secuenciación: una revisión de literatura. <i>Revista Investigación En Salud Universidad De Boyacá</i> , 2020, 7, .	0.1	0
14	Assessing Peptide Binding to MHC II: An Accurate Semiempirical Quantum Mechanics Based Proposal. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 5148-5160.	5.4	5
15	Plasmodium vivax Pv12 B-cell epitopes and HLA-DR <sup>21</sup> *-dependent T-cell epitopes in vitro antigenicity. <i>PLoS ONE</i> , 2018, 13, e0203715.	2.5	3
16	Self-assembling functional programmable protein array for studying protein-protein interactions in malaria parasites. <i>Malaria Journal</i> , 2018, 17, 270.	2.3	10
17	New mutations in non-syndromic primary ovarian insufficiency patients identified via whole-exome sequencing. <i>Human Reproduction</i> , 2017, 32, 1512-1520.	0.9	65
18	Semi-empirical quantum evaluation of peptide-MHC class II binding. <i>Chemical Physics Letters</i> , 2017, 668, 29-34.	2.6	12

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19	Mass & secondary structure propensity of amino acids explain their mutability and evolutionary replacements. <i>Scientific Reports</i> , 2017, 7, 7717.	3.3	7
20	Structural analysis of owl monkey MHC-DR shows that fully-protective malaria vaccine components can be readily used in humans. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 1062-1069.	2.1	20
21	Novel genes and mutations in patients affected by recurrent pregnancy loss. <i>PLoS ONE</i> , 2017, 12, e0186149.	2.5	55
22	How frequently do clusters occur in hierarchical clustering analysis? A graph theoretical approach to studying ties in proximity. <i>Journal of Cheminformatics</i> , 2016, 8, 4.	6.1	11
23	TCR-contacting residues orientation and HLA-DR <sup>2</sup> * binding preference determine long-lasting protective immunity against malaria. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 654-660.	2.1	7
24	Characterising atypical <i>Candida albicans</i> clinical isolates from six third-level hospitals in Bogotá, Colombia. <i>BMC Microbiology</i> , 2015, 15, 199.	3.3	17
25	Characterising a Microsatellite for DRB Typing in <i>Aotus vociferans</i> and <i>Aotus nancymaae</i> (Platyrrhini). <i>PLoS ONE</i> , 2014, 9, e96973.	2.5	15
26	Characterisation and comparative analysis of MHC-DPA1 exon 2 in the owl monkey ( <i>Aotus nancymaae</i> ). <i>Gene</i> , 2011, 470, 37-45.	2.2	9
27	High polymorphism in <i>Plasmodium vivax</i> merozoite surface protein-5 (MSP5). <i>Parasitology</i> , 2006, 133, 661.	1.5	31
28	Reference strand conformational analysis (RSCA) is a valuable tool in identifying MHC-DRB sequences in three species of <i>Aotus</i> monkeys. <i>Immunogenetics</i> , 2006, 58, 590-597.	2.4	15
29	Owl monkey MHC-DRB exon 2 reveals high similarity with several HLA-DRB lineages. <i>Immunogenetics</i> , 2006, 58, 542-558.	2.4	68
30	High level of conservation in <i>Plasmodium vivax</i> merozoite surface protein 4 (PvMSP4). <i>Infection, Genetics and Evolution</i> , 2005, 5, 354-361.	2.3	16
31	A comparative study of MHC Class-II HLA-DR <sup>2</sup> *0401-Col II and HLA-DR <sup>2</sup> *0101-HA complexes: a theoretical point of view. <i>Journal of Structural Biology</i> , 2005, 149, 38-52.	2.8	13
32	Identification of five different IGHV gene families in owl monkeys ( <i>Aotus nancymaae</i> ). <i>Tissue Antigens</i> , 2005, 66, 640-649.	1.0	7
33	MHC class I genes in the owl monkey: mosaic organisation, convergence and loci diversity. <i>Immunogenetics</i> , 2005, 56, 818-832.	2.4	18
34	The T-cell receptor in primates: identifying and sequencing new owl monkey TRBV gene sub-groups. <i>Immunogenetics</i> , 2005, 57, 42-52.	2.4	19
35	Quantum chemical analysis explains hemagglutinin peptide-MHC Class II molecule HLA-DR <sup>2</sup> *0101 interactions. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 1265-1277.	2.1	17
36	<i>Plasmodium vivax</i> Duffy binding protein: a modular evolutionary proposal. <i>Parasitology</i> , 2004, 128, 353-366.	1.5	24

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37	I $\pm$ 1 and I $\pm$ 2 domains of Aotus MHC Class I and Catarrhini MHC Class Ia share similar characteristics. Tissue Antigens, 2003, 61, 362-373.	1.0	13
38	Characterizing T-cell receptor gamma-variable gene in Aotus nancymaae owl monkey peripheral blood. Tissue Antigens, 2003, 62, 472-482.	1.0	19
39	Electronic Energy and Multipolar Moments Characterize Amino Acid Side Chains into Chemically Related Groups. Journal of Physical Chemistry A, 2003, 107, 10090-10097.	2.5	22
40	Identification, cloning, and sequencing of different cytokine genes in four species of owl monkey. Immunogenetics, 2002, 54, 645-653.	2.4	20