

Carolina M Barra

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,949
citations

623734

14
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

3690
citing authors

#	ARTICLE	IF	CITATIONS
1	B cell "helper neutrophils stimulate the diversification and production of immunoglobulin in the marginal zone of the spleen. <i>Nature Immunology</i> , 2012, 13, 170-180.	14.5	615
2	Improved Prediction of MHC II Antigen Presentation through Integration and Motif Deconvolution of Mass Spectrometry MHC Eluted Ligand Data. <i>Journal of Proteome Research</i> , 2020, 19, 2304-2315.	3.7	275
3	Innate lymphoid cells integrate stromal and immunological signals to enhance antibody production by splenic marginal zone B cells. <i>Nature Immunology</i> , 2014, 15, 354-364.	14.5	249
4	Extraction and analysis of signatures from the Gene Expression Omnibus by the crowd. <i>Nature Communications</i> , 2016, 7, 12846.	12.8	204
5	An Analysis of Natural T Cell Responses to Predicted Tumor Neoepitopes. <i>Frontiers in Immunology</i> , 2017, 8, 1566.	4.8	103
6	NNAlign_MA; MHC Peptidome Deconvolution for Accurate MHC Binding Motif Characterization and Improved T-cell Epitope Predictions. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2459-2477.	3.8	87
7	Footprints of antigen processing boost MHC class II natural ligand predictions. <i>Genome Medicine</i> , 2018, 10, 84.	8.2	86
8	Stromal Endothelial Cells Establish a Bidirectional Crosstalk with Chronic Lymphocytic Leukemia Cells through the TNF-Related Factors BAFF, APRIL, and CD40L. <i>Journal of Immunology</i> , 2012, 188, 6071-6083.	0.8	76
9	Regulation of mucosal IgA responses: lessons from primary immunodeficiencies. <i>Annals of the New York Academy of Sciences</i> , 2011, 1238, 132-144.	3.8	46
10	Computational Tools for the Identification and Interpretation of Sequence Motifs in Immunopeptidomes. <i>Proteomics</i> , 2018, 18, e1700252.	2.2	45
11	Galacto-Configured Aminocyclitol Phytoceramides Are Potent in Vivo Invariant Natural Killer T Cell Stimulators. <i>Journal of the American Chemical Society</i> , 2011, 133, 12079-12084.	13.7	37
12	Accurate MHC Motif Deconvolution of Immunopeptidomics Data Reveals a Significant Contribution of DRB3, 4 and 5 to the Total DR Immunopeptidome. <i>Frontiers in Immunology</i> , 2022, 13, 835454.	4.8	27
13	Structural and Functional Characterization of a Novel Nonglycosidic Type I NKT Agonist with Immunomodulatory Properties. <i>Journal of Immunology</i> , 2012, 188, 2254-2265.	0.8	24
14	Aminocyclitol-Substituted Phytoceramides and their Effects on iNKT Cell Stimulation. <i>ChemMedChem</i> , 2009, 4, 1608-1613.	3.2	21
15	Immunopeptidomic Data Integration to Artificial Neural Networks Enhances Protein-Drug Immunogenicity Prediction. <i>Frontiers in Immunology</i> , 2020, 11, 1304.	4.8	19
16	Improved prediction of HLA antigen presentation hotspots: Applications for immunogenicity risk assessment of therapeutic proteins. <i>Immunology</i> , 2021, 162, 208-219.	4.4	9
17	NetMHCphosPan - Pan-specific prediction of MHC class I antigen presentation of phosphorylated ligands. <i>Immuninformatics</i> , 2021, 1-2, 100005.	2.2	5
18	The interdependence of machine learning and LC-MS approaches for an unbiased understanding of the cellular immunopeptidome. <i>Expert Review of Proteomics</i> , 2022, 19, 77-88.	3.0	3

#	ARTICLE	IF	CITATIONS
19	European Immunogenicity Platform 11th Open Scientific Symposium on immunogenicity of biopharmaceuticals. <i>Bioanalysis</i> , 2020, 12, 1043-1048.	1.5	1
20	Correction: Structural and Functional Characterization of a Novel Nonglycosidic Type I NKT Agonist with Immunomodulatory Properties. <i>Journal of Immunology</i> , 2012, 189, 4194-4194.	0.8	0