Carolina M Barra

List of Publications by Year
in descending order

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	Accurate MHC Motif Deconvolution of Immunopeptidomics Data Reveals a Significant Contribution of DRB3, 4 and 5 to the Total DR Immunopeptidome. Frontiers in Immunology, 2022, 13, 835454.	4.8	27
2	The interdependence of machine learning and LC-MS approaches for an unbiased understanding of the cellular immunopeptidome. Expert Review of Proteomics, 2022, 19, 77-88.	3.0	3
3	Improved prediction of HLA antigen presentation hotspots: Applications for immunogenicity risk assessment of therapeutic proteins. Immunology, 2021, 162, 208-219.	4.4	9
4	NetMHCphosPan - Pan-specific prediction of MHC class I antigen presentation of phosphorylated ligands. ImmunoInformatics, 2021, 1-2, 100005.	2.2	5
5	European Immunogenicity Platform 11th Open Scientific Symposium on immunogenicity of biopharmaceuticals. Bioanalysis, 2020, 12, 1043-1048.	1.5	1
6	Immunopeptidomic Data Integration to Artificial Neural Networks Enhances Protein-Drug Immunogenicity Prediction. Frontiers in Immunology, 2020, 11, 1304.	4.8	19
7	Improved Prediction of MHC II Antigen Presentation through Integration and Motif Deconvolution of Mass Spectrometry MHC Eluted Ligand Data. Journal of Proteome Research, 2020, 19, 2304-2315.	3.7	275
8	NNAlign_MA; MHC Peptidome Deconvolution for Accurate MHC Binding Motif Characterization and Improved T-cell Epitope Predictions. Molecular and Cellular Proteomics, 2019, 18, 2459-2477.	3.8	87
9	Computational Tools for the Identification and Interpretation of Sequence Motifs in Immunopeptidomes. Proteomics, 2018, 18, e1700252.	2.2	45
10	Footprints of antigen processing boost MHC class II natural ligand predictions. Genome Medicine, 2018, 10, 84.	8.2	86
11	An Analysis of Natural T Cell Responses to Predicted Tumor Neoepitopes. Frontiers in Immunology, 2017, 8, 1566.	4.8	103
12	Extraction and analysis of signatures from the Gene Expression Omnibus by the crowd. Nature Communications, 2016, 7, 12846.	12.8	204
13	Innate lymphoid cells integrate stromal and immunological signals to enhance antibody production by splenic marginal zone B cells. Nature Immunology, 2014, 15, 354-364.	14.5	249
14	Stromal Endothelial Cells Establish a Bidirectional Crosstalk with Chronic Lymphocytic Leukemia Cells through the TNF-Related Factors BAFF, APRIL, and CD40L. Journal of Immunology, 2012, 188, 6071-6083.	0.8	76
15	Correction: Structural and Functional Characterization of a Novel Nonglycosidic Type I NKT Agonist with Immunomodulatory Properties. Journal of Immunology, 2012, 189, 4194-4194.	0.8	0
16	Structural and Functional Characterization of a Novel Nonglycosidic Type I NKT Agonist with Immunomodulatory Properties. Journal of Immunology, 2012, 188, 2254-2265.	0.8	24
17	B cellâ€“helper neutrophils stimulate the diversification and production of immunoglobulin in the marginal zone of the spleen. Nature Immunology, 2012, 13, 170-180.	14.5	615
18	Galacto-Configured Aminocyclitol Phytoceramides Are Potent in Vivo Invariant Natural Killer T Cell Stimulators. Journal of the American Chemical Society, 2011, 133, 12079-12084.	13.7	37

#	Article	IF	Citations
19	Regulation of mucosal IgA responses: lessons from primary immunodeficiencies. Annals of the New York Academy of Sciences, 2011, 1238, 132-144.	3.8	46
20	Aminocyclitolâ€Substituted Phytoceramides and their Effects on iNKT Cell Stimulation. ChemMedChem, 2009, 4, 1608-1613.	3.2	21