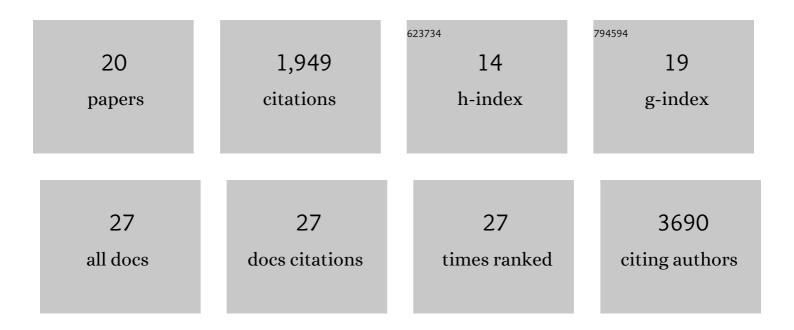
Carolina M Barra

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | B cell–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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Extraction and analysis of signatures from the Gene Expression Omnibus by the crowd. Nature Communications, 2016, 7, 12846. | 12.8 | 204 |
| 5 | An Analysis of Natural T Cell Responses to Predicted Tumor Neoepitopes. Frontiers in Immunology, 2017, 8, 1566. | 4.8 | 103 |
| 6 | 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 |
| 7 | Footprints of antigen processing boost MHC class II natural ligand predictions. Genome Medicine, 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. Journal of Immunology, 2012, 188, 6071-6083. | 0.8 | 76 |
| 9 | Regulation of mucosal IgA responses: lessons from primary immunodeficiencies. Annals of the New York Academy of Sciences, 2011, 1238, 132-144. | 3.8 | 46 |
| 10 | Computational Tools for the Identification and Interpretation of Sequence Motifs in Immunopeptidomes. Proteomics, 2018, 18, e1700252. | 2.2 | 45 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Aminocyclitol‧ubstituted Phytoceramides and their Effects on iNKT Cell Stimulation. ChemMedChem, 2009, 4, 1608-1613. | 3.2 | 21 |
| 15 | Immunopeptidomic Data Integration to Artificial Neural Networks Enhances Protein-Drug Immunogenicity Prediction. Frontiers in Immunology, 2020, 11, 1304. | 4.8 | 19 |
| 16 | Improved prediction of HLA antigen presentation hotspots: Applications for immunogenicity risk assessment of therapeutic proteins. Immunology, 2021, 162, 208-219. | 4.4 | 9 |
| 17 | NetMHCphosPan - Pan-specific prediction of MHC class I antigen presentation of phosphorylated ligands. ImmunoInformatics, 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. Expert Review of Proteomics, 2022, 19, 77-88. | 3.0 | 3 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | European Immunogenicity Platform 11th Open Scientific Symposium on immunogenicity of biopharmaceuticals. Bioanalysis, 2020, 12, 1043-1048. | 1.5 | 1 |
| 20 | 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 |