Nicola Ternette

List of Publications by Year
in descending order

62 papers	3,566 citations	159585 30 h-index	149698 56 g-index
73 all docs	73 docs citations	73 times ranked	5690 citing authors

#	Article	IF	Citations
1	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
2	Decitabine increases neoantigen and cancer testis antigen expression to enhance T-cell–mediated toxicity against glioblastoma. Neuro-Oncology, 2022, 24, 2093-2106.	1.2	18
3	Impact of Micropolymorphism Outside the Peptide Binding Groove in the Clinically Relevant Allele HLA-C*14 on T Cell Responses in HIV-1 Infection. Journal of Virology, 2022, 96, e0043222.	3.4	2
4	Reply. Gastroenterology, 2021, 160, 471-472.	1.3	0
5	Integral Use of Immunopeptidomics and Immunoinformatics for the Characterization of Antigen Presentation and Rational Identification of BoLA-DR–Presented Peptides and Epitopes. Journal of Immunology, 2021, 206, 2489-2497.	0.8	15
6	Mapping the SARS-CoV-2 spike glycoprotein-derived peptidome presented by HLA class II on dendritic cells. Cell Reports, 2021, 35, 109179.	6.4	63
7	Incoming HIV virion-derived Gag Spacer Peptide 2 (p1) is a target of effective CD8+ T cell antiviral responses. Cell Reports, 2021, 35, 109103.	6.4	4
8	Direct identification of HLA–presented CD8 T cell epitopes from transmitted founder HIV–1 variants. Proteomics, 2021, 21, e2100142.	2.2	5
9	Know thy immune self and non–self: Proteomics informs on the expanse of self and non–self, and how and where they arise. Proteomics, 2021, , 2000143.	2.2	6
10	NetMHCphosPan - Pan-specific prediction of MHC class I antigen presentation of phosphorylated ligands. ImmunoInformatics, 2021, 1-2, 100005.	2.2	5
11	The Choice of Search Engine Affects Sequencing Depth and HLA Class I Allele-Specific Peptide Repertoires. Molecular and Cellular Proteomics, 2021, 20, 100124.	3.8	17
12	Identification of antigens presented by MHC for vaccines against tuberculosis. Npj Vaccines, 2020, 5, 2.	6.0	69
13	Human endogenous retroviruses form a reservoir of T cell targets in hematological cancers. Nature Communications, 2020, 11, 5660.	12.8	55
14	Elucidation of the Signatures of Proteasome-Catalyzed Peptide Splicing. Frontiers in Immunology, 2020, 11, 563800.	4.8	19
15	In-depth mining of the immunopeptidome of an acute myeloid leukemia cell line using complementary ligand enrichment and data acquisition strategies. Molecular Immunology, 2020, 123, 7-17.	2.2	18
16	The Choice of HLA–Associated Peptide Enrichment and Purification Strategy Affects Peptide Yields and Creates a Bias in Detected Sequence Repertoire. Proteomics, 2020, 20, e1900401.	2.2	21
17	Extended Analysis Identifies Drug-Specific Association of 2 Distinct HLA Class II Haplotypes for Development of Immunogenicity to Adalimumab and Infliximab. Gastroenterology, 2020, 159, 784-787.	1.3	21
18	Identification of an Unconventional Subpeptidome Bound to the Behçet's Disease-associated HLA-B*51:01 that is Regulated by Endoplasmic Reticulum Aminopeptidase 1 (ERAP1). Molecular and Cellular Proteomics, 2020, 19, 871-883.	3.8	13

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19	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
20	LTR retroelement expansion of the human cancer transcriptome and immunopeptidome revealed by de novo transcript assembly. Genome Research, 2019, 29, 1578-1590.	5.5	66
21	Identification of Immunodominant HIV-1 Epitopes Presented by HLA-C*12:02, a Protective Allele, Using an Immunopeptidomics Approach. Journal of Virology, 2019, 93, .	3.4	11
22	Targeting Mutated Plus Germline Epitopes Confers Pre-clinical Efficacy of an Instantly Formulated Cancer Nano-Vaccine. Frontiers in Immunology, 2019, 10, 1015.	4.8	39
23	NOD2 and TLR2 Signal via TBK1 and PI31 to Direct Cross-Presentation and CD8 T Cell Responses. Frontiers in Immunology, 2019, 10, 958.	4.8	31
24	Mass spectrometry–based identification of MHC-bound peptides for immunopeptidomics. Nature Protocols, 2019, 14, 1687-1707.	12.0	230
25	Contribution of proteasome-catalyzed peptide *cis*-splicing to viral targeting by CD8+ T cells in HIV-1 infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24748-24759.	7.1	48
26	MS–Rescue: A Computational Pipeline to Increase the Quality and Yield of Immunopeptidomics Experiments. Proteomics, 2019, 19, e1800357.	2.2	30
27	Identification of Native and Posttranslationally Modified HLA–B*57:01–Restricted HIV Envelope Derived Epitopes Using Immunoproteomics. Proteomics, 2018, 18, e1700253.	2.2	23
28	Characterization of the Theileria parva sporozoite proteome. International Journal for Parasitology, 2018, 48, 265-273.	3.1	24
29	The SysteMHC Atlas project. Nucleic Acids Research, 2018, 46, D1237-D1247.	14.5	119
30	Improved Prediction of Bovine Leucocyte Antigens (BoLA) Presented Ligands by Use of Mass-Spectrometry-Determined Ligand and in Vitro Binding Data. Journal of Proteome Research, 2018, 17, 559-567.	3.7	31
31	A subset of HLA-I peptides are not genomically templated: Evidence for cis- and trans-spliced peptide ligands. Science Immunology, 2018, 3, .	11.9	142
32	Immunopeptidomic Profiling of HLA–A2–Positive Triple Negative Breast Cancer Identifies Potential Immunotherapy Target Antigens. Proteomics, 2018, 18, e1700465.	2.2	37
33	Minimal Information About an Immuno–Peptidomics Experiment (MIAIPE). Proteomics, 2018, 18, e1800110.	2.2	23
34	Immunopeptidomics Special Issue. Proteomics, 2018, 18, e1800145.	2.2	5
35	Discrimination Between Human Leukocyte Antigen Class I-Bound and Co-Purified HIV-Derived Peptides in Immunopeptidomics Workflows. Frontiers in Immunology, 2018, 9, 912.	4.8	40
36	Development of a T-cell Receptor Mimic Antibody against Wild-Type p53 for Cancer Immunotherapy. Cancer Research, 2017, 77, 2699-2711.	0.9	27

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37	Fumarate Hydratase Deletion in Pancreatic β Cells Leads to Progressive Diabetes. Cell Reports, 2017, 20, 3135-3148.	6.4	57
38	A quantitative label-free analysis of the extracellular proteome of human supraspinatus tendon reveals damage to the pericellular and elastic fibre niches in torn and aged tissue. PLoS ONE, 2017, 12, e0177656.	2.5	21
39	Natural mutations in a <i>Staphylococcus aureus</i> virulence regulator attenuate cytotoxicity but permit bacteremia and abscess formation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3101-10.	7.1	103
40	Defining the HLA class I–associated viral antigen repertoire from HIV-1–infected human cells. European Journal of Immunology, 2016, 46, 60-69.	2.9	57
41	Magnitude and Quality of Cytokine and Chemokine Storm during Acute Infection Distinguish Nonprogressive and Progressive Simian Immunodeficiency Virus Infections of Nonhuman Primates. Journal of Virology, 2016, 90, 10339-10350.	3.4	24
42	Selective Binding of AIRAPL Tandem UIMs to Lys48-Linked Tri-Ubiquitin Chains. Structure, 2016, 24, 412-422.	3.3	17
43	The Human Otubain2-Ubiquitin Structure Provides Insights into the Cleavage Specificity of Poly-Ubiquitin-Linkages. PLoS ONE, 2015, 10, e0115344.	2.5	31
44	Early Kinetics of the HLA Class I-Associated Peptidome of MVA.HIVconsv-Infected Cells. Journal of Virology, 2015, 89, 5760-5771.	3.4	32
45	Expression levels of MHC class I molecules are inversely correlated with promiscuity of peptide binding. ELife, 2015, 4, e05345.	6.0	107
46	An open-source computational and data resource to analyze digital maps of immunopeptidomes. ELife, 2015, 4, .	6.0	107
47	The Succinated Proteome of FH-Mutant Tumours. Metabolites, 2014, 4, 640-654.	2.9	48
48	Critical Role of Endoplasmic Reticulum Aminopeptidase 1 in Determining the Length and Sequence of Peptides Bound and Presented by HLA–B27. Arthritis and Rheumatology, 2014, 66, 284-294.	5.6	71
49	Inhibition of Mitochondrial Aconitase by Succination in Fumarate Hydratase Deficiency. Cell Reports, 2013, 3, 689-700.	6.4	137
50	Ubiquitin ligase UBR3 regulates cellular levels of the essential DNA repair protein APE1 and is required for genome stability. Nucleic Acids Research, 2012, 40, 701-711.	14.5	53
51	Phosphorylation of PNKP by ATM prevents its proteasomal degradation and enhances resistance to oxidative stress. Nucleic Acids Research, 2012, 40, 11404-11415.	14.5	42
52	ATM-Dependent Downregulation of USP7/HAUSP by PPM1G Activates p53 Response to DNA Damage. Molecular Cell, 2012, 45, 801-813.	9.7	145
53	Detection of BK virus in urine from renal transplant subjects by mass spectrometry. Clinical Proteomics, 2012, 9, 4.	2.1	20
54	Label-free quantitative proteomics reveals regulation of interferon-induced protein with tetratricopeptide repeats 3 (IFIT3) and 5'-3'-exoribonuclease 2 (XRN2) during respiratory syncytial virus infection. Virology Journal, 2011, 8, 442.	3.4	20

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55	Renal Cyst Formation in Fh1-Deficient Mice Is Independent of the Hif/Phd Pathway: Roles for Fumarate in KEAP1 Succination and Nrf2 Signaling. Cancer Cell, 2011, 20, 524-537.	16.8	494
56	Aberrant succination of proteins in fumarate hydratase–deficient mice and HLRCC patients is a robust biomarker of mutation status. Journal of Pathology, 2011, 225, 4-11.	4.5	225
57	Comparative evaluation of label–free SINQ normalized spectral index quantitation in the central proteomics facilities pipeline. Proteomics, 2011, 11, 2790-2797.	2.2	120
58	E3 Ligases Determine Ubiquitination Site and Conjugate Type by Enforcing Specificity on E2 Enzymes. Journal of Biological Chemistry, 2011, 286, 44104-44115.	3.4	55
59	Tyrosine dephosphorylation is required for Bak activation in apoptosis. EMBO Journal, 2010, 29, 3853-3868.	7.8	39
60	Protective Efficacy and Immunogenicity of an Adenoviral Vector Vaccine Encoding the Codon-Optimized F Protein of Respiratory Syncytial Virus. Journal of Virology, 2009, 83, 12601-12610.	3.4	54
61	Immunogenicity and efficacy of codon optimized DNA vaccines encoding the F-protein of respiratory syncytial virus. Vaccine, 2007, 25, 7271-7279.	3.8	65
62	Expression of RNA virus proteins by RNA polymerase II dependent expression plasmids is hindered at multiple steps. Virology Journal, 2007, 4, 51.	3.4	25