

Nicola Ternette

List of Publications by Year in descending order

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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	Renal Cyst Formation in Fh1-Deficient Mice Is Independent of the Hif/Phd Pathway: Roles for Fumarate in KEAP1 Succination and Nrf2 Signaling. <i>Cancer Cell</i> , 2011, 20, 524-537.	16.8	494
2	Mass spectrometry-based identification of MHC-bound peptides for immunopeptidomics. <i>Nature Protocols</i> , 2019, 14, 1687-1707.	12.0	230
3	Aberrant succination of proteins in fumarate hydratase-deficient mice and HLRCC patients is a robust biomarker of mutation status. <i>Journal of Pathology</i> , 2011, 225, 4-11.	4.5	225
4	ATM-Dependent Downregulation of USP7/HAUSP by PPM1G Activates p53 Response to DNA Damage. <i>Molecular Cell</i> , 2012, 45, 801-813.	9.7	145
5	A subset of HLA-I peptides are not genomically templated: Evidence for cis- and trans-spliced peptide ligands. <i>Science Immunology</i> , 2018, 3, .	11.9	142
6	Inhibition of Mitochondrial Aconitase by Succination in Fumarate Hydratase Deficiency. <i>Cell Reports</i> , 2013, 3, 689-700.	6.4	137
7	Comparative evaluation of label-free SING normalized spectral index quantitation in the central proteomics facilities pipeline. <i>Proteomics</i> , 2011, 11, 2790-2797.	2.2	120
8	The SystemMHC Atlas project. <i>Nucleic Acids Research</i> , 2018, 46, D1237-D1247.	14.5	119
9	Expression levels of MHC class I molecules are inversely correlated with promiscuity of peptide binding. <i>ELife</i> , 2015, 4, e05345.	6.0	107
10	An open-source computational and data resource to analyze digital maps of immunopeptidomes. <i>ELife</i> , 2015, 4, .	6.0	107
11	Natural mutations in a <i>Staphylococcus aureus</i> virulence regulator attenuate cytotoxicity but permit bacteremia and abscess formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3101-10.	7.1	103
12	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
13	Critical Role of Endoplasmic Reticulum Aminopeptidase 1 in Determining the Length and Sequence of Peptides Bound and Presented by HLA-B*27. <i>Arthritis and Rheumatology</i> , 2014, 66, 284-294.	5.6	71
14	Identification of antigens presented by MHC for vaccines against tuberculosis. <i>Npj Vaccines</i> , 2020, 5, 2.	6.0	69
15	LTR retroelement expansion of the human cancer transcriptome and immunopeptidome revealed by de novo transcript assembly. <i>Genome Research</i> , 2019, 29, 1578-1590.	5.5	66
16	Immunogenicity and efficacy of codon optimized DNA vaccines encoding the F-protein of respiratory syncytial virus. <i>Vaccine</i> , 2007, 25, 7271-7279.	3.8	65
17	Mapping the SARS-CoV-2 spike glycoprotein-derived peptidome presented by HLA class II on dendritic cells. <i>Cell Reports</i> , 2021, 35, 109179.	6.4	63
18	Defining the HLA class I-associated viral antigen repertoire from HIV-1-infected human cells. <i>European Journal of Immunology</i> , 2016, 46, 60-69.	2.9	57

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19	Fumarate Hydratase Deletion in Pancreatic Î² Cells Leads to Progressive Diabetes. <i>Cell Reports</i> , 2017, 20, 3135-3148.	6.4	57
20	E3 Ligases Determine Ubiquitination Site and Conjugate Type by Enforcing Specificity on E2 Enzymes. <i>Journal of Biological Chemistry</i> , 2011, 286, 44104-44115.	3.4	55
21	Human endogenous retroviruses form a reservoir of T cell targets in hematological cancers. <i>Nature Communications</i> , 2020, 11, 5660.	12.8	55
22	Protective Efficacy and Immunogenicity of an Adenoviral Vector Vaccine Encoding the Codon-Optimized F Protein of Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2009, 83, 12601-12610.	3.4	54
23	Ubiquitin ligase UBR3 regulates cellular levels of the essential DNA repair protein APE1 and is required for genome stability. <i>Nucleic Acids Research</i> , 2012, 40, 701-711.	14.5	53
24	The Succinated Proteome of FH-Mutant Tumours. <i>Metabolites</i> , 2014, 4, 640-654.	2.9	48
25	Contribution of proteasome-catalyzed peptide <i>cis</i> -splicing to viral targeting by CD8 ⁺ T cells in HIV-1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24748-24759.	7.1	48
26	Phosphorylation of PNKP by ATM prevents its proteasomal degradation and enhances resistance to oxidative stress. <i>Nucleic Acids Research</i> , 2012, 40, 11404-11415.	14.5	42
27	Discrimination Between Human Leukocyte Antigen Class I-Bound and Co-Purified HIV-Derived Peptides in Immunopeptidomics Workflows. <i>Frontiers in Immunology</i> , 2018, 9, 912.	4.8	40
28	Tyrosine dephosphorylation is required for Bak activation in apoptosis. <i>EMBO Journal</i> , 2010, 29, 3853-3868.	7.8	39
29	Targeting Mutated Plus Germline Epitopes Confers Pre-clinical Efficacy of an Instantly Formulated Cancer Nano-Vaccine. <i>Frontiers in Immunology</i> , 2019, 10, 1015.	4.8	39
30	Immunopeptidomic Profiling of HLA-A2 ⁺ Positive Triple Negative Breast Cancer Identifies Potential Immunotherapy Target Antigens. <i>Proteomics</i> , 2018, 18, e1700465.	2.2	37
31	Early Kinetics of the HLA Class I-Associated Peptidome of MVA.HIVconsv-Infected Cells. <i>Journal of Virology</i> , 2015, 89, 5760-5771.	3.4	32
32	The Human Otubain2-Ubiquitin Structure Provides Insights into the Cleavage Specificity of Poly-Ubiquitin-Linkages. <i>PLoS ONE</i> , 2015, 10, e0115344.	2.5	31
33	Improved Prediction of Bovine Leucocyte Antigens (BoLA) Presented Ligands by Use of Mass-Spectrometry-Determined Ligand and in Vitro Binding Data. <i>Journal of Proteome Research</i> , 2018, 17, 559-567.	3.7	31
34	NOD2 and TLR2 Signal via TBK1 and PI31 to Direct Cross-Presentation and CD8 T Cell Responses. <i>Frontiers in Immunology</i> , 2019, 10, 958.	4.8	31
35	MS-Rescue: A Computational Pipeline to Increase the Quality and Yield of Immunopeptidomics Experiments. <i>Proteomics</i> , 2019, 19, e1800357.	2.2	30
36	Development of a T-cell Receptor Mimic Antibody against Wild-Type p53 for Cancer Immunotherapy. <i>Cancer Research</i> , 2017, 77, 2699-2711.	0.9	27

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37	Expression of RNA virus proteins by RNA polymerase II dependent expression plasmids is hindered at multiple steps. <i>Virology Journal</i> , 2007, 4, 51.	3.4	25
38	Magnitude and Quality of Cytokine and Chemokine Storm during Acute Infection Distinguish Nonprogressive and Progressive Simian Immunodeficiency Virus Infections of Nonhuman Primates. <i>Journal of Virology</i> , 2016, 90, 10339-10350.	3.4	24
39	Characterization of the <i>Theileria parva</i> sporozoite proteome. <i>International Journal for Parasitology</i> , 2018, 48, 265-273.	3.1	24
40	Identification of Native and Posttranslationally Modified HLA-B*57:01-Restricted HIV Envelope Derived Epitopes Using Immunoproteomics. <i>Proteomics</i> , 2018, 18, e1700253.	2.2	23
41	Minimal Information About an Immuno-Peptidomics Experiment (MIAIPE). <i>Proteomics</i> , 2018, 18, e1800110.	2.2	23
42	The Choice of HLA-Associated Peptide Enrichment and Purification Strategy Affects Peptide Yields and Creates a Bias in Detected Sequence Repertoire. <i>Proteomics</i> , 2020, 20, e1900401.	2.2	21
43	Extended Analysis Identifies Drug-Specific Association of 2 Distinct HLA Class II Haplotypes for Development of Immunogenicity to Adalimumab and Infliximab. <i>Gastroenterology</i> , 2020, 159, 784-787.	1.3	21
44	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. <i>PLoS ONE</i> , 2017, 12, e0177656.	2.5	21
45	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. <i>Virology Journal</i> , 2011, 8, 442.	3.4	20
46	Detection of BK virus in urine from renal transplant subjects by mass spectrometry. <i>Clinical Proteomics</i> , 2012, 9, 4.	2.1	20
47	Elucidation of the Signatures of Proteasome-Catalyzed Peptide Splicing. <i>Frontiers in Immunology</i> , 2020, 11, 563800.	4.8	19
48	In-depth mining of the immunopeptidome of an acute myeloid leukemia cell line using complementary ligand enrichment and data acquisition strategies. <i>Molecular Immunology</i> , 2020, 123, 7-17.	2.2	18
49	Decitabine increases neoantigen and cancer testis antigen expression to enhance T-cell-mediated toxicity against glioblastoma. <i>Neuro-Oncology</i> , 2022, 24, 2093-2106.	1.2	18
50	Selective Binding of AIRAPL Tandem UIMs to Lys48-Linked Tri-Ubiquitin Chains. <i>Structure</i> , 2016, 24, 412-422.	3.3	17
51	The Choice of Search Engine Affects Sequencing Depth and HLA Class I Allele-Specific Peptide Repertoires. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100124.	3.8	17
52	Integral Use of Immunopeptidomics and Immunoinformatics for the Characterization of Antigen Presentation and Rational Identification of BoLA-DR-Presented Peptides and Epitopes. <i>Journal of Immunology</i> , 2021, 206, 2489-2497.	0.8	15
53	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). <i>Molecular and Cellular Proteomics</i> , 2020, 19, 871-883.	3.8	13
54	Identification of Immunodominant HIV-1 Epitopes Presented by HLA-C*12:02, a Protective Allele, Using an Immunopeptidomics Approach. <i>Journal of Virology</i> , 2019, 93, .	3.4	11

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55	Know thy immune self and non-self: Proteomics informs on the expanse of self and non-self, and how and where they arise. <i>Proteomics</i> , 2021, , 2000143.	2.2	6
56	Immunopeptidomics Special Issue. <i>Proteomics</i> , 2018, 18, e1800145.	2.2	5
57	Direct identification of HLA-presented CD8 T cell epitopes from transmitted founder HIV-1 variants. <i>Proteomics</i> , 2021, 21, e2100142.	2.2	5
58	NetMHCphosPan - Pan-specific prediction of MHC class I antigen presentation of phosphorylated ligands. <i>Immunoinformatics</i> , 2021, 1-2, 100005.	2.2	5
59	Incoming HIV virion-derived Gag Spacer Peptide 2 (p1) is a target of effective CD8+ T cell antiviral responses. <i>Cell Reports</i> , 2021, 35, 109103.	6.4	4
60	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
61	Impact of Micropolymorphism Outside the Peptide Binding Groove in the Clinically Relevant Allele HLA-C*14 on T Cell Responses in HIV-1 Infection. <i>Journal of Virology</i> , 2022, 96, e0043222.	3.4	2
62	Reply. <i>Gastroenterology</i> , 2021, 160, 471-472.	1.3	0