

Eric Bonneil

List of Publications by Citations

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

1,136
citations

17
h-index

33
g-index

38
ext. papers

1,695
ext. citations

10
avg, IF

4.33
L-index

#	Paper	IF	Citations
33	Noncoding regions are the main source of targetable tumor-specific antigens. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	199
32	Global proteogenomic analysis of human MHC class I-associated peptides derived from non-canonical reading frames. <i>Nature Communications</i> , 2016 , 7, 10238	17.4	127
31	MHC class I-associated peptides derive from selective regions of the human genome. <i>Journal of Clinical Investigation</i> , 2016 , 126, 4690-4701	15.9	123
30	Large-scale analysis of lysine SUMOylation by SUMO remnant immunoaffinity profiling. <i>Nature Communications</i> , 2014 , 5, 5409	17.4	94
29	Chromatin-Bound MDM2 Regulates Serine Metabolism and Redox Homeostasis Independently of p53. <i>Molecular Cell</i> , 2016 , 62, 890-902	17.6	69
28	A Novel Differential Ion Mobility Device Expands the Depth of Proteome Coverage and the Sensitivity of Multiplex Proteomic Measurements. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 2051-2067	7.6	65
27	Immunogenic stress and death of cancer cells: Contribution of antigenicity vs adjuvanticity to immunosurveillance. <i>Immunological Reviews</i> , 2017 , 280, 165-174	11.3	52
26	Engineering the pattern of protein glycosylation modulates the thermostability of a GH11 xylanase. <i>Journal of Biological Chemistry</i> , 2013 , 288, 25522-25534	5.4	49
25	Improvement of Quantitative Measurements in Multiplex Proteomics Using High-Field Asymmetric Waveform Spectrometry. <i>Journal of Proteome Research</i> , 2016 , 15, 4653-4665	5.6	44
24	Generation of antioxidative peptides from Atlantic sea cucumber using alcalase versus trypsin: In vitro activity, de novo sequencing, and in silico docking for in vivo function prediction. <i>Food Chemistry</i> , 2020 , 306, 125581	8.5	30
23	Pharmacological inhibition of PRMT7 links arginine monomethylation to the cellular stress response. <i>Nature Communications</i> , 2020 , 11, 2396	17.4	29
22	Most non-canonical proteins uniquely populate the proteome or immunopeptidome. <i>Cell Reports</i> , 2021 , 34, 108815	10.6	26
21	Monoubiquitination of ASXLs controls the deubiquitinase activity of the tumor suppressor BAP1. <i>Nature Communications</i> , 2018 , 9, 4385	17.4	24
20	Proteogenomics Uncovers a Vast Repertoire of Shared Tumor-Specific Antigens in Ovarian Cancer. <i>Cancer Immunology Research</i> , 2020 , 8, 544-555	12.5	23
19	Enhancement of mass spectrometry performance for proteomic analyses using high-field asymmetric waveform ion mobility spectrometry (FAIMS). <i>Journal of Mass Spectrometry</i> , 2015 , 50, 1181-1195	3.2	23
18	Biochemical properties of glycosylation and characterization of a histidine acid phosphatase (phytase) expressed in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2014 , 99, 43-9	2	20
17	Extending the Comprehensiveness of Immunopeptidome Analyses Using Isobaric Peptide Labeling. <i>Analytical Chemistry</i> , 2020 , 92, 9194-9204	7.8	17

16	Atypical acute myeloid leukemia-specific transcripts generate shared and immunogenic MHC class-I-associated epitopes. <i>Immunity</i> , 2021 , 54, 737-752.e10	32.3	17
15	Imipridone Anticancer Compounds Ectopically Activate the ClpP Protease and Represent a New Scaffold for Antibiotic Development. <i>Genetics</i> , 2020 , 214, 1103-1120	4	16
14	Widespread and tissue-specific expression of endogenous retroelements in human somatic tissues. <i>Genome Medicine</i> , 2020 , 12, 40	14.4	14
13	H3.3 G34W Promotes Growth and Impedes Differentiation of Osteoblast-Like Mesenchymal Progenitors in Giant Cell Tumor of Bone. <i>Cancer Discovery</i> , 2020 , 10, 1968-1987	24.4	14
12	Extended Synaptotagmin 1 Interacts with Herpes Simplex Virus 1 Glycoprotein M and Negatively Modulates Virus-Induced Membrane Fusion. <i>Journal of Virology</i> , 2018 , 92,	6.6	12
11	UM171 Preserves Epigenetic Marks that Are Reduced in Ex Vivo Culture of Human HSCs via Potentiation of the CLR3-KBTBD4 Complex. <i>Cell Stem Cell</i> , 2021 , 28, 48-62.e6	18	11
10	Gas-Phase Enrichment of Multiply Charged Peptide Ions by Differential Ion Mobility Extend the Comprehensiveness of SUMO Proteome Analyses. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 1111-1124	3.5	10
9	Altered proteome of high-density lipoproteins from paediatric acute lymphoblastic leukemia survivors. <i>Scientific Reports</i> , 2019 , 9, 4268	4.9	9
8	Cyclin B3 activates the Anaphase-Promoting Complex/Cyclosome in meiosis and mitosis. <i>PLoS Genetics</i> , 2020 , 16, e1009184	6	5
7	Global and Site-Specific Changes in 5-Methylcytosine and 5-Hydroxymethylcytosine after Extended Post-mortem Interval. <i>Frontiers in Genetics</i> , 2016 , 7, 120	4.5	4
6	A novel p53 regulator, C16ORF72/TAPR1, buffers against telomerase inhibition. <i>Aging Cell</i> , 2021 , 20, e13331	9.9	3
5	Proteomics of Herpes Simplex Virus Type 1 Nuclear Capsids. <i>Journal of Virology</i> , 2020 ,	6.6	3
4	Mechanisms to reduce the cytotoxicity of pharmacological nicotinamide concentrations in the pathogenic fungus <i>Candida albicans</i> . <i>FEBS Journal</i> , 2021 , 288, 3478-3506	5.7	2
3	MhcVizPipe: A Quality Control Software for Rapid Assessment of Small- to Large-Scale Immunopeptidome Data Sets. <i>Molecular and Cellular Proteomics</i> , 2021 , 100178	7.6	0
2	The microprotein Nrs1 rewires the G1/S transcriptional machinery during nitrogen limitation in budding yeast.. <i>PLoS Biology</i> , 2022 , 20, e3001548	9.7	0
1	Ubp2l-Bmi-1-Rnf2 Define a Novel Polycomb Complex Essential For Self-Renewal Of Hematopoietic Stem Cells. <i>Blood</i> , 2013 , 122, 736-736	2.2	