

# Eric Shifrut

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/874144/publications.pdf>

Version: 2024-02-01

27  
papers

3,488  
citations

279798

23  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

5279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reprogramming human T cell function and specificity with non-viral genome targeting. <i>Nature</i> , 2018, 559, 405-409.	27.8	630
2	Genome-wide CRISPR Screens in Primary Human T Cells Reveal Key Regulators of Immune Function. <i>Cell</i> , 2018, 175, 1958-1971.e15.	28.9	378
3	McPAS-TCR: a manually curated catalogue of pathology-associated T cell receptor sequences. <i>Bioinformatics</i> , 2017, 33, 2924-2929.	4.1	309
4	CNS-specific immunity at the choroid plexus shifts toward destructive Th2 inflammation in brain aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2264-2269.	7.1	234
5	T-cell receptor repertoires share a restricted set of public and abundant CDR3 sequences that are associated with self-related immunity. <i>Genome Research</i> , 2014, 24, 1603-1612.	5.5	201
6	Polymer-stabilized Cas9 nanoparticles and modified repair templates increase genome editing efficiency. <i>Nature Biotechnology</i> , 2020, 38, 44-49.	17.5	198
7	T cell receptor repertoires of mice and humans are clustered in similarity networks around conserved public CDR3 sequences. <i>ELife</i> , 2017, 6, .	6.0	175
8	CRISPR screen in regulatory T cells reveals modulators of Foxp3. <i>Nature</i> , 2020, 582, 416-420.	27.8	141
9	Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. <i>Cell</i> , 2020, 181, 728-744.e21.	28.9	131
10	Tracking global changes induced in the CD4 T-cell receptor repertoire by immunization with a complex antigen using short stretches of CDR3 protein sequence. <i>Bioinformatics</i> , 2014, 30, 3181-3188.	4.1	129
11	Genome-wide CRISPR screens of T cell exhaustion identify chromatin remodeling factors that limit T cell persistence. <i>Cancer Cell</i> , 2022, 40, 768-786.e7.	16.8	104
12	Dynamic Response Diversity of NFAT Isoforms in Individual Living Cells. <i>Molecular Cell</i> , 2013, 49, 322-330.	9.7	92
13	Large dataset enables prediction of repair after CRISPR-Cas9 editing in primary T cells. <i>Nature Biotechnology</i> , 2019, 37, 1034-1037.	17.5	87
14	Chromatin conformation governs T-cell receptor J $\alpha$ gene segment usage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15865-15870.	7.1	84
15	Molecular constraints on CDR3 for thymic selection of MHC-restricted TCRs from a random pre-selection repertoire. <i>Nature Communications</i> , 2019, 10, 1019.	12.8	72
16	Monitoring the dynamics of primary T cell activation and differentiation using long term live cell imaging in microwell arrays. <i>Lab on A Chip</i> , 2012, 12, 5007.	6.0	71
17	XYZeq: Spatially resolved single-cell RNA sequencing reveals expression heterogeneity in the tumor microenvironment. <i>Science Advances</i> , 2021, 7, .	10.3	64
18	Feature selection using a one dimensional naïve Bayes™ classifier increases the accuracy of support vector machine classification of CDR3 repertoires. <i>Bioinformatics</i> , 2017, 33, 951-955.	4.1	58

#	ARTICLE	IF	CITATIONS
19	Functional CRISPR dissection of gene networks controlling human regulatory T cell identity. <i>Nature Immunology</i> , 2020, 21, 1456-1466.	14.5	57
20	Perforin-Positive Dendritic Cells Exhibit an Immuno-regulatory Role in Metabolic Syndrome and Autoimmunity. <i>Immunity</i> , 2015, 43, 776-787.	14.3	55
21	Specificity, Privacy, and Degeneracy in the CD4 T Cell Receptor Repertoire Following Immunization. <i>Frontiers in Immunology</i> , 2017, 8, 430.	4.8	52
22	CD4+ T Cell-Receptor Repertoire Diversity is Compromised in the Spleen but Not in the Bone Marrow of Aged Mice Due to Private and Sporadic Clonal Expansions. <i>Frontiers in Immunology</i> , 2013, 4, 379.	4.8	32
23	Predicting CD4 T-cell epitopes based on antigen cleavage, MHCII presentation, and TCR recognition. <i>PLoS ONE</i> , 2018, 13, e0206654.	2.5	31
24	Efficient generation of isogenic primary human myeloid cells using CRISPR-Cas9 ribonucleoproteins. <i>Cell Reports</i> , 2021, 35, 109105.	6.4	29
25	Layilin augments integrin activation to promote antitumor immunity. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	28
26	A functional map of HIV-host interactions in primary human T cells. <i>Nature Communications</i> , 2022, 13, 1752.	12.8	27
27	Hypoxia Is a Dominant Remodeler of the Effector T <sup>H</sup> Cell Surface Proteome Relative to Activation and Regulatory T Cell Suppression. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100217.	3.8	5