

# Alexander Yermanos

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

791  
citations

687363

13  
h-index

677142

22  
g-index

43  
all docs

43  
docs citations

43  
times ranked

960  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Strategies for Dissecting the High-Dimensional Complexity of Adaptive Immune Repertoires. <i>Frontiers in Immunology</i> , 2018, 9, 224.	4.8	164
2	A novel anti-HER2 anthracycline-based antibody-drug conjugate induces adaptive anti-tumor immunity and potentiates PD-1 blockade in breast cancer. , 2019, 7, 16.		68
3	Comparison of methods for phylogenetic B-cell lineage inference using time-resolved antibody repertoire simulations (AbSim). <i>Bioinformatics</i> , 2017, 33, 3938-3946.	4.1	50
4	immuneSIM: tunable multi-feature simulation of B- and T-cell receptor repertoires for immunoinformatics benchmarking. <i>Bioinformatics</i> , 2020, 36, 3594-3596.	4.1	48
5	Modulation of asymmetric cell division as a mechanism to boost CD8 <sup>+</sup> T cell memory. <i>Science Immunology</i> , 2019, 4, .	11.9	42
6	Tissue-resident CD8 <sup>+</sup> T cells drive compartmentalized and chronic autoimmune damage against CNS neurons. <i>Science Translational Medicine</i> , 2022, 14, eabl6157.	12.4	35
7	Tcf1+ cells are required to maintain the inflationary T cell pool upon MCMV infection. <i>Nature Communications</i> , 2020, 11, 2295.	12.8	34
8	Quantitative and Qualitative Analysis of Humoral Immunity Reveals Continued and Personalized Evolution in Chronic Viral Infection. <i>Cell Reports</i> , 2020, 30, 997-1012.e6.	6.4	34
9	A Single-Cell Atlas of Lymphocyte Adaptive Immune Repertoires and Transcriptomes Reveals Age-Related Differences in Convalescent COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021, 12, 701085.	4.8	33
10	Platypus: an open-access software for integrating lymphocyte single-cell immune repertoires with transcriptomes. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab023.	3.2	27
11	Tracing Antibody Repertoire Evolution by Systems Phylogeny. <i>Frontiers in Immunology</i> , 2018, 9, 2149.	4.8	26
12	Applications of Machine and Deep Learning in Adaptive Immunity. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2021, 12, 39-62.	6.8	22
13	Discovery and validation of human genomic safe harbor sites for gene and cell therapies. <i>Cell Reports Methods</i> , 2022, 2, 100154.	2.9	22
14	Tissue-resident memory CD8 <sup>+</sup> T cells cooperate with CD4 <sup>+</sup> T cells to drive compartmentalized immunopathology in the CNS. <i>Science Translational Medicine</i> , 2022, 14, eabl6058.	12.4	21
15	Rapid expansion of Treg cells protects from collateral colitis following a viral trigger. <i>Nature Communications</i> , 2020, 11, 1522.	12.8	18
16	Chronic virus infection compromises memory bystander T cell function in an IL-6/STAT1-dependent manner. <i>Journal of Experimental Medicine</i> , 2019, 216, 571-586.	8.5	17
17	Single-cell immune repertoire and transcriptome sequencing reveals that clonally expanded and transcriptionally distinct lymphocytes populate the aged central nervous system in mice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202793.	2.6	14
18	SARS-CoV-2 reactive and neutralizing antibodies discovered by single-cell sequencing of plasma cells and mammalian display. <i>Cell Reports</i> , 2022, 38, 110242.	6.4	13

#	ARTICLE	IF	CITATIONS
19	Profiling Virus-Specific Tcf1+ T Cell Repertoires During Acute and Chronic Viral Infection. <i>Frontiers in Immunology</i> , 2020, 11, 986.	4.8	12
20	Phenotypic determinism and stochasticity in antibody repertoires of clonally expanded plasma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113766119.	7.1	12
21	Profiling the specificity of clonally expanded plasma cells during chronic viral infection by single-cell analysis. <i>European Journal of Immunology</i> , 2022, 52, 297-311.	2.9	11
22	Clonally Expanded Virus-Specific CD8 T Cells Acquire Diverse Transcriptional Phenotypes During Acute, Chronic, and Latent Infections. <i>Frontiers in Immunology</i> , 2022, 13, 782441.	4.8	7
23	Inter- and intraspecies comparison of phylogenetic fingerprints and sequence diversity of immunoglobulin variable genes. <i>Immunogenetics</i> , 2020, 72, 279-294.	2.4	5
24	IgM Antibody Repertoire Fingerprints in Mice Are Personalized but Robust to Viral Infection Status. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 254.	3.9	5
25	DeepSARS: simultaneous diagnostic detection and genomic surveillance of SARS-CoV-2. <i>BMC Genomics</i> , 2022, 23, 289.	2.8	5
26	Single-Cell Sequencing of Plasma Cells from COVID-19 Patients Reveals Highly Expanded Clonal Lineages Produce Specific and Neutralizing Antibodies to SARS-CoV-2. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1