

# Benjamin D Greenbaum

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

7,441  
citations

159585

30  
h-index

155660

55  
g-index

59  
all docs

59  
docs citations

59  
times ranked

16517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunology of COVID-19: Current State of the Science. <i>Immunity</i> , 2020, 52, 910-941.	14.3	1,387
2	Innate Immune Landscape in Early Lung Adenocarcinoma by Paired Single-Cell Analyses. <i>Cell</i> , 2017, 169, 750-765.e17.	28.9	937
3	Identification of unique neoantigen qualities in long-term survivors of pancreatic cancer. <i>Nature</i> , 2017, 551, 512-516.	27.8	854
4	Patient HLA class I genotype influences cancer response to checkpoint blockade immunotherapy. <i>Science</i> , 2018, 359, 582-587.	12.6	834
5	A neoantigen fitness model predicts tumour response to checkpoint blockade immunotherapy. <i>Nature</i> , 2017, 551, 517-520.	27.8	532
6	Dengue virus NS2B protein targets cGAS for degradation and prevents mitochondrial DNA sensing during infection. <i>Nature Microbiology</i> , 2017, 2, 17037.	13.3	292
7	Host-Protozoan Interactions Protect from Mucosal Infections through Activation of the Inflammasome. <i>Cell</i> , 2016, 167, 444-456.e14.	28.9	251
8	Patterns of Evolution and Host Gene Mimicry in Influenza and Other RNA Viruses. <i>PLoS Pathogens</i> , 2008, 4, e1000079.	4.7	236
9	Quantifying influenza virus diversity and transmission in humans. <i>Nature Genetics</i> , 2016, 48, 195-200.	21.4	182
10	Pharmacologic modulation of RNA splicing enhances anti-tumor immunity. <i>Cell</i> , 2021, 184, 4032-4047.e31.	28.9	131
11	Stage-Specific Human Induced Pluripotent Stem Cells Map the Progression of Myeloid Transformation to Transplantable Leukemia. <i>Cell Stem Cell</i> , 2017, 20, 315-328.e7.	11.1	114
12	Targeting Viral Proteostasis Limits Influenza Virus, HIV, and Dengue Virus Infection. <i>Immunity</i> , 2016, 44, 46-58.	14.3	110
13	Shared Immunogenic Poly-Epitope Frameshift Mutations in Microsatellite Unstable Tumors. <i>Cell</i> , 2020, 183, 1634-1649.e17.	28.9	103
14	Transmission Bottleneck Size Estimation from Pathogen Deep-Sequencing Data, with an Application to Human Influenza A Virus. <i>Journal of Virology</i> , 2017, 91, .	3.4	100
15	Therapeutic Immune Modulation against Solid Cancers with Intratumoral Poly-ICLC: A Pilot Trial. <i>Clinical Cancer Research</i> , 2018, 24, 4937-4948.	7.0	95
16	Revelation of Influencing Factors in Overall Codon Usage Bias of Equine Influenza Viruses. <i>PLoS ONE</i> , 2016, 11, e0154376.	2.5	95
17	Global Cancer Transcriptome Quantifies Repeat Element Polarization between Immunotherapy Responsive and T Cell Suppressive Classes. <i>Cell Reports</i> , 2018, 23, 512-521.	6.4	90
18	Neoantigen quality predicts immunoediting in survivors of pancreatic cancer. <i>Nature</i> , 2022, 606, 389-395.	27.8	80

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19	Distinguishing the immunostimulatory properties of noncoding RNAs expressed in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15154-15159.	7.1	69
20	Prolonged SARS-CoV-2 Infection in Patients with Lymphoid Malignancies. <i>Cancer Discovery</i> , 2022, 12, 62-73.	9.4	65
21	Chromatin dependencies in cancer and inflammation. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 245-261.	37.0	64
22	Mutation-derived Neoantigen-specific T-cell Responses in Multiple Myeloma. <i>Clinical Cancer Research</i> , 2020, 26, 450-464.	7.0	62
23	Viral reassortment as an information exchange between viral segments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3341-3346.	7.1	61
24	P53 and the defenses against genome instability caused by transposons and repetitive elements. <i>BioEssays</i> , 2016, 38, 508-513.	2.5	60
25	Intrahost Dynamics of Antiviral Resistance in Influenza A Virus Reflect Complex Patterns of Segment Linkage, Reassortment, and Natural Selection. <i>MBio</i> , 2015, 6, .	4.1	58
26	Oligonucleotide Motifs That Disappear during the Evolution of Influenza Virus in Humans Increase Alpha Interferon Secretion by Plasmacytoid Dendritic Cells. <i>Journal of Virology</i> , 2011, 85, 3893-3904.	3.4	56
27	Influenza virus infection causes global RNAPII termination defects. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 885-893.	8.2	48
28	Sequence-Specific Sensing of Nucleic Acids. <i>Trends in Immunology</i> , 2017, 38, 53-65.	6.8	45
29	Ion efflux and influenza infection trigger NLRP3 inflammasome signaling in human dendritic cells. <i>Journal of Leukocyte Biology</i> , 2016, 99, 723-734.	3.3	43
30	Role of AID in the temporal pattern of acquisition of driver mutations in multiple myeloma. <i>Leukemia</i> , 2020, 34, 1476-1480.	7.2	39
31	Frontiers in cancer immunotherapy—a symposium report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1489, 30-47.	3.8	39
32	Quantitative theory of entropic forces acting on constrained nucleotide sequences applied to viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5054-5059.	7.1	37
33	Hybrid Gene Origination Creates Human-Virus Chimeric Proteins during Infection. <i>Cell</i> , 2020, 181, 1502-1517.e23.	28.9	33
34	Lynch Syndrome and MSI-H Cancers: From Mechanisms to “Off-The-Shelf” Cancer Vaccines. <i>Frontiers in Immunology</i> , 2021, 12, 757804.	4.8	31
35	HNRNPM controls circRNA biogenesis and splicing fidelity to sustain cancer cell fitness. <i>ELife</i> , 2021, 10, .	6.0	27
36	A tumor-specific endogenous repetitive element is induced by herpesviruses. <i>Nature Communications</i> , 2019, 10, 90.	12.8	25

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37	Diverse repetitive element RNA expression defines epigenetic and immunologic features of colon cancer. <i>JCI Insight</i> , 2017, 2, e91078.	5.0	23
38	Fundamental immune oncogenicity trade-offs define driver mutation fitness. <i>Nature</i> , 2022, 606, 172-179.	27.8	23
39	The genotypes and phenotypes of missense mutations in the proline domain of the p53 protein. <i>Cell Death and Differentiation</i> , 2022, 29, 938-945.	11.2	18
40	The Heterogeneous Landscape and Early Evolution of Pathogen-Associated CpG Dinucleotides in SARS-CoV-2. <i>Molecular Biology and Evolution</i> , 2021, 38, 2428-2445.	8.9	15
41	FBXW 7 regulates a mitochondrial transcription program by modulating MITF. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 636-640.	3.3	13
42	Calreticulin mutant myeloproliferative neoplasms induce MHC-I skewing, which can be overcome by an optimized peptide cancer vaccine. <i>Science Translational Medicine</i> , 2022, 14, .	12.4	10
43	Probing T-cell response by sequence-based probabilistic modeling. <i>PLoS Computational Biology</i> , 2021, 17, e1009297.	3.2	9
44	Fundamental amino acid mass distributions and entropy costs in proteomes. <i>Journal of Theoretical Biology</i> , 2016, 410, 119-124.	1.7	7
45	Clinical and Genomic Characterization of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS) Tj ETQq1 1 0.784314 rgBT /Overl... <i>Diseases</i> , 2022, 75, e774-e782.	5.8	5
46	Using First Passage Statistics to Extract Environmentally Dependent Amino Acid Correlations. <i>PLoS ONE</i> , 2014, 9, e101665.	2.5	3
47	Innate immune driven evolution via immunostimulatory RNA: Viruses that mimic hosts, tumors that mimic viruses. <i>Current Opinion in Systems Biology</i> , 2017, 1, 137-142.	2.6	3
48	Reply to "Reconciling disparate estimates of viral genetic diversity during human influenza infections". <i>Nature Genetics</i> , 2019, 51, 1301-1303.	21.4	3
49	The Heterogeneous Landscape and Early Evolution of Pathogen-Associated CpG Dinucleotides in SARS-CoV-2. <i>SSRN Electronic Journal</i> , 2020, , 3611280.	0.4	3
50	Bird to Human Transmission Biases and Vaccine Escape Mutants in H5N1 Infections. <i>PLoS ONE</i> , 2014, 9, e100754.	2.5	2
51	Phase II study of lamivudine in p53 mutant metastatic colorectal cancer (mCRC).. <i>Journal of Clinical Oncology</i> , 2020, 38, 149-149.	1.6	2
52	Genomic analysis of metastatic melanoma in an adult with giant congenital melanocytic nevus. <i>Pigment Cell and Melanoma Research</i> , 2020, 33, 633-636.	3.3	1
53	Biomarkers of response to neoadjuvant atezolizumab with gemcitabine and cisplatin in muscle-invasive bladder cancer.. <i>Journal of Clinical Oncology</i> , 2022, 40, 4584-4584.	1.6	1
54	Muscle invasive bladder cancer (MIBC) demonstrates neoadjuvant cisplatin-based chemotherapy (NAC) related changes in molecular subtype and immune infiltration.. <i>Journal of Clinical Oncology</i> , 2019, 37, 443-443.	1.6	0