

Thomas B Kepler

List of Publications by Year in descending order

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148
papers

14,211
citations

19657

61
h-index

22832

112
g-index

155
all docs

155
docs citations

155
times ranked

13892
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-evolution of a broadly neutralizing HIV-1 antibody and founder virus. <i>Nature</i> , 2013, 496, 469-476.	27.8	961
2	Invertebrate immune systems â€“ not homogeneous, not simple, not well understood. <i>Immunological Reviews</i> , 2004, 198, 10-24.	6.0	589
3	B-cellâ€™lineage immunogen design in vaccine development with HIV-1 as a case study. <i>Nature Biotechnology</i> , 2012, 30, 423-433.	17.5	432
4	Broadly neutralizing human antibody that recognizes the receptor-binding pocket of influenza virus hemagglutinin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14216-14221.	7.1	402
5	Analysis of a Clonal Lineage of HIV-1 Envelope V2/V3 Conformational Epitope-Specific Broadly Neutralizing Antibodies and Their Inferred Unmutated Common Ancestors. <i>Journal of Virology</i> , 2011, 85, 9998-10009.	3.4	393
6	Vaccine Induction of Antibodies against a Structurally Heterogeneous Site of Immune Pressure within HIV-1 Envelope Protein Variable Regions 1 and 2. <i>Immunity</i> , 2013, 38, 176-186.	14.3	374
7	Diversification of Ig Superfamily Genes in an Invertebrate. <i>Science</i> , 2004, 305, 251-254.	12.6	366
8	Pathway level analysis of gene expression using singular value decomposition. <i>BMC Bioinformatics</i> , 2005, 6, 225.	2.6	332
9	Classification of osteoarthritis biomarkers: a proposed approach. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 723-727.	1.3	330
10	Advantage of rare HLA supertype in HIV disease progression. <i>Nature Medicine</i> , 2003, 9, 928-935.	30.7	311
11	Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. <i>Cell</i> , 2016, 165, 449-463.	28.9	305
12	The T helper type 2 response to cysteine proteases requires dendritic cellâ€™basophil cooperation via ROS-mediated signaling. <i>Nature Immunology</i> , 2010, 11, 608-617.	14.5	287
13	Complex Antigens Drive Permissive Clonal Selection in Germinal Centers. <i>Immunity</i> , 2016, 44, 542-552.	14.3	278
14	Cooperation of B Cell Lineages in Induction of HIV-1-Broadly Neutralizing Antibodies. <i>Cell</i> , 2014, 158, 481-491.	28.9	266
15	Cyclic re-entry of germinal center B cells and the efficiency of affinity maturation. <i>Trends in Immunology</i> , 1993, 14, 412-415.	7.5	258
16	Drug concentration heterogeneity facilitates the evolution of drug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 11514-11519.	7.1	240
17	High-throughput isolation of immunoglobulin genes from single human B cells and expression as monoclonal antibodies. <i>Journal of Virological Methods</i> , 2009, 158, 171-179.	2.1	235
18	Preconfiguration of the antigen-binding site during affinity maturation of a broadly neutralizing influenza virus antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 264-269.	7.1	227

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19	The Egyptian Roussette Genome Reveals Unexpected Features of Bat Antiviral Immunity. <i>Cell</i> , 2018, 173, 1098-1110.e18.	28.9	220
20	Staged induction of HIV-1 glycanâ€‘dependent broadly neutralizing antibodies. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	212
21	Initial antibodies binding to HIV-1 gp41 in acutely infected subjects are polyreactive and highly mutated. <i>Journal of Experimental Medicine</i> , 2011, 208, 2237-2249.	8.5	198
22	Review of 54 patients with complete DiGeorge anomaly enrolled in protocols for thymus transplantation: outcome of 44 consecutive transplants. <i>Blood</i> , 2007, 109, 4539-4547.	1.4	195
23	Diversification of HIV-1 vaccineâ€‘induced immunity by gp41-microbiota cross-reactive antibodies. <i>Science</i> , 2015, 349, aab1253.	12.6	191
24	Identification of autoantigens recognized by the 2F5 and 4E10 broadly neutralizing HIV-1 antibodies. <i>Journal of Experimental Medicine</i> , 2013, 210, 241-256.	8.5	171
25	Two Distinct Broadly Neutralizing Antibody Specificities of Different Clonal Lineages in a Single HIV-1-Infected Donor: Implications for Vaccine Design. <i>Journal of Virology</i> , 2012, 86, 4688-4692.	3.4	159
26	H3N2 Influenza Infection Elicits More Cross-Reactive and Less Clonally Expanded Anti-Hemagglutinin Antibodies Than Influenza Vaccination. <i>PLoS ONE</i> , 2011, 6, e25797.	2.5	158
27	Viral Receptor-Binding Site Antibodies with Diverse Germline Origins. <i>Cell</i> , 2015, 161, 1026-1034.	28.9	151
28	Reconstructing a B-cell clonal lineage. I. Statistical inference of unobserved ancestors. <i>F1000Research</i> , 2013, 2, 103.	1.6	150
29	Measurement of Cell Migration on Surface-Bound Fibronectin Gradients. <i>Langmuir</i> , 2004, 20, 8279-8286.	3.5	142
30	Somatic Hypermutation in B Cells: An Optimal Control Treatment. <i>Journal of Theoretical Biology</i> , 1993, 164, 37-64.	1.7	141
31	Antibodies to a Conserved Influenza Head Interface Epitope Protect by an IgG Subtype-Dependent Mechanism. <i>Cell</i> , 2019, 177, 1124-1135.e16.	28.9	141
32	Immunoglobulin Gene Insertions and Deletions in the Affinity Maturation of HIV-1 Broadly Reactive Neutralizing Antibodies. <i>Cell Host and Microbe</i> , 2014, 16, 304-313.	11.0	137
33	Pentavalent HIV-1 vaccine protects against simian-human immunodeficiency virus challenge. <i>Nature Communications</i> , 2017, 8, 15711.	12.8	137
34	Isolation of a Human Anti-HIV gp41 Membrane Proximal Region Neutralizing Antibody by Antigen-Specific Single B Cell Sorting. <i>PLoS ONE</i> , 2011, 6, e23532.	2.5	137
35	Sequence-Intrinsic Mechanisms that Target AID Mutational Outcomes on Antibody Genes. <i>Cell</i> , 2015, 163, 1124-1137.	28.9	136
36	Reduction of conductance-based neuron models. <i>Biological Cybernetics</i> , 1992, 66, 381-387.	1.3	128

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37	Memory B Cells that Cross-React with Group 1 and Group 2 Influenza A Viruses Are Abundant in Adult Human Repertoires. <i>Immunity</i> , 2018, 48, 174-184.e9.	14.3	124
38	Human Immunodeficiency Virus Type 1-Specific Cytotoxic T Lymphocyte Activity Is Inversely Correlated with HIV Type 1 Viral Load in HIV Type 1-Infected Long-Term Survivors. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 1219-1228.	1.1	120
39	Potent and broad HIV-neutralizing antibodies in memory B cells and plasma. <i>Science Immunology</i> , 2017, 2, .	11.9	119
40	SoDA: implementation of a 3D alignment algorithm for inference of antigen receptor recombinations. <i>Bioinformatics</i> , 2006, 22, 438-444.	4.1	117
41	HIV-1 Envelope gp41 Antibodies Can Originate from Terminal Ileum B Cells that Share Cross-Reactivity with Commensal Bacteria. <i>Cell Host and Microbe</i> , 2014, 16, 215-226.	11.0	105
42	Reconstructing a B-Cell Clonal Lineage. II. Mutation, Selection, and Affinity Maturation. <i>Frontiers in Immunology</i> , 2014, 5, 170.	4.8	104
43	Influenza immunization elicits antibodies specific for an egg-adapted vaccine strain. <i>Nature Medicine</i> , 2016, 22, 1465-1469.	30.7	104
44	Reproducibility and Reuse of Adaptive Immune Receptor Repertoire Data. <i>Frontiers in Immunology</i> , 2017, 8, 1418.	4.8	102
45	Normalization and analysis of DNA microarray data by self-consistency and local regression. <i>Genome Biology</i> , 2002, 3, research0037.1.	9.6	99
46	Functional Relevance of Improbable Antibody Mutations for HIV Broadly Neutralizing Antibody Development. <i>Cell Host and Microbe</i> , 2018, 23, 759-765.e6.	11.0	98
47	Patient Socioeconomic Status Is an Independent Predictor of Operative Mortality. <i>Annals of Surgery</i> , 2010, 252, 552-558.	4.2	97
48	Th17 cytokines differentiate obesity from obesity-associated type 2 diabetes and promote TNF α production. <i>Obesity</i> , 2016, 24, 102-112.	3.0	96
49	An autoreactive antibody from an SLE/HIV-1 individual broadly neutralizes HIV-1. <i>Journal of Clinical Investigation</i> , 2014, 124, 1835-1843.	8.2	93
50	Initiation of immune tolerance-controlled HIV gp41 neutralizing B cell lineages. <i>Science Translational Medicine</i> , 2016, 8, 336ra62.	12.4	86
51	Statistical mixture modeling for cell subtype identification in flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 693-701.	1.5	84
52	Envelope Deglycosylation Enhances Antigenicity of HIV-1 gp41 Epitopes for Both Broad Neutralizing Antibodies and Their Unmutated Ancestor Antibodies. <i>PLoS Pathogens</i> , 2011, 7, e1002200.	4.7	82
53	Virus-like Particles Identify an HIV V1V2 Apex-Binding Neutralizing Antibody that Lacks a Protruding Loop. <i>Immunity</i> , 2017, 46, 777-791.e10.	14.3	81
54	Mimicry of an HIV broadly neutralizing antibody epitope with a synthetic glycopeptide. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	81

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55	Analysis of immunoglobulin transcripts and hypermutation following SHIVAD8 infection and protein-plus-adjuvant immunization. <i>Nature Communications</i> , 2015, 6, 6565.	12.8	77
56	Initiation of HIV neutralizing B cell lineages with sequential envelope immunizations. <i>Nature Communications</i> , 2017, 8, 1732.	12.8	76
57	Recognition of synthetic glycopeptides by HIV-1 broadly neutralizing antibodies and their unmutated ancestors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18214-18219.	7.1	73
58	Affinity maturation in an HIV broadly neutralizing B-cell lineage through reorientation of variable domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10275-10280.	7.1	73
59	Selective and site-specific mobilization of dermal dendritic cells and Langerhans cells by Th1- and Th2-polarizing adjuvants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8334-8339.	7.1	70
60	Vaccine Elicitation of High Mannose-Dependent Neutralizing Antibodies against the V3-Glycan Broadly Neutralizing Epitope in Nonhuman Primates. <i>Cell Reports</i> , 2017, 18, 2175-2188.	6.4	69
61	First Qualification Study of Serum Biomarkers as Indicators of Total Body Burden of Osteoarthritis. <i>PLoS ONE</i> , 2010, 5, e9739.	2.5	68
62	Immunogenic Stimulus for Germline Precursors of Antibodies that Engage the Influenza Hemagglutinin Receptor-Binding Site. <i>Cell Reports</i> , 2015, 13, 2842-2850.	6.4	67
63	Morphologic Analysis Correlates with Gene Expression Changes in Cultured F344 Rat Mesothelial Cells. <i>Toxicology and Applied Pharmacology</i> , 2000, 169, 205-221.	2.8	66
64	Unselected Mutations in the Human Immunodeficiency Virus Type 1 Genome Are Mostly Nonsynonymous and Often Deleterious. <i>Journal of Virology</i> , 2004, 78, 2426-2433.	3.4	66
65	Structure and Diversity of the Rhesus Macaque Immunoglobulin Loci through Multiple De Novo Genome Assemblies. <i>Frontiers in Immunology</i> , 2017, 8, 1407.	4.8	66
66	Identifying differential expression in multiple SAGE libraries: an overdispersed log-linear model approach. <i>BMC Bioinformatics</i> , 2005, 6, 165.	2.6	65
67	SoDA2: a Hidden Markov Model approach for identification of immunoglobulin rearrangements. <i>Bioinformatics</i> , 2010, 26, 867-872.	4.1	65
68	Antibody Light-Chain-Restricted Recognition of the Site of Immune Pressure in the RV144 HIV-1 Vaccine Trial Is Phylogenetically Conserved. <i>Immunity</i> , 2014, 41, 909-918.	14.3	65
69	Similar CD19 Dysregulation in Two Autoantibody-Associated Autoimmune Diseases Suggests a Shared Mechanism of B-Cell Tolerance Loss. <i>Journal of Clinical Immunology</i> , 2007, 27, 53-68.	3.8	61
70	Inference of the HIV-1 VRC01 Antibody Lineage Unmutated Common Ancestor Reveals Alternative Pathways to Overcome a Key Glycan Barrier. <i>Immunity</i> , 2018, 49, 1162-1174.e8.	14.3	61
71	Modeling and optimization of populations subject to time-dependent mutation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 8219-8223.	7.1	59
72	Prospective Estimation of Recombination Signal Efficiency and Identification of Functional Cryptic Signals in the Genome by Statistical Modeling. <i>Journal of Experimental Medicine</i> , 2003, 197, 207-220.	8.5	59

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73	Differential Reactivity of Germ Line Allelic Variants of a Broadly Neutralizing HIV-1 Antibody to a gp41 Fusion Intermediate Conformation. <i>Journal of Virology</i> , 2011, 85, 11725-11731.	3.4	56
74	Neutralization-guided design of HIV-1 envelope trimers with high affinity for the unmutated common ancestor of CH235 lineage CD4bs broadly neutralizing antibodies. <i>PLoS Pathogens</i> , 2019, 15, e1008026.	4.7	56
75	Toxin-Coupled MHC Class I Tetramers Can Specifically Ablate Autoreactive CD8+ T Cells and Delay Diabetes in Nonobese Diabetic Mice. <i>Journal of Immunology</i> , 2010, 184, 4196-4204.	0.8	55
76	Predicted and inferred waiting times for key mutations in the germinal centre reaction: Evidence for stochasticity in selection. <i>Immunology and Cell Biology</i> , 1998, 76, 373-381.	2.3	54
77	Identification and utilization of arbitrary correlations in models of recombination signal sequences. <i>Genome Biology</i> , 2002, 3, research0072.1.	9.6	54
78	A two-tiered model for simulating the ecological and evolutionary dynamics of rapidly evolving viruses, with an application to influenza. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1257-1274.	3.4	54
79	Recapitulation of HIV-1 Env-antibody coevolution in macaques leading to neutralization breadth. <i>Science</i> , 2021, 371, .	12.6	49
80	Comparison of multiple vaccine vectors in a single heterologous prime-boost trial. <i>Vaccine</i> , 2008, 26, 6108-6118.	3.8	45
81	Structural Constraints of Vaccine-Induced Tier-2 Autologous HIV Neutralizing Antibodies Targeting the Receptor-Binding Site. <i>Cell Reports</i> , 2016, 14, 43-54.	6.4	45
82	The Distribution of Variation in Regulatory Gene Segments, as Present in MHC Class II Promoters. <i>Genome Research</i> , 1998, 8, 124-134.	5.5	43
83	The Nucleotide-Replacement Spectrum Under Somatic Hypermutation Exhibits Microsequence Dependence That Is Strand-Symmetric and Distinct from That Under Germline Mutation. <i>Journal of Immunology</i> , 2000, 164, 1971-1976.	0.8	43
84	Chiropteran types I and II interferon genes inferred from genome sequencing traces by a statistical gene-family assembler. <i>BMC Genomics</i> , 2010, 11, 444.	2.8	43
85	Sequence intrinsic somatic mutation mechanisms contribute to affinity maturation of VRC01-class HIV-1 broadly neutralizing antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8614-8619.	7.1	42
86	Belowground factors mediating changes in methane consumption in a forest soil under elevated CO ₂ . <i>Global Biogeochemical Cycles</i> , 2002, 16, 23-1-23-14.	4.9	41
87	Large-scale analysis of human heavy chain V(D)J recombination patterns. <i>Immunome Research</i> , 2008, 4, 3.	0.1	41
88	Boosting of HIV envelope CD4 binding site antibodies with long variable heavy third complementarity determining region in the randomized double blind RV305 HIV-1 vaccine trial. <i>PLoS Pathogens</i> , 2017, 13, e1006182.	4.7	38
89	The 185/333 Gene Family Is a Rapidly Diversifying Host-Defense Gene Cluster in the Purple Sea Urchin <i>Strongylocentrotus purpuratus</i> . <i>Journal of Molecular Biology</i> , 2008, 379, 912-928.	4.2	36
90	Surface plasmon resonance measurements of plasma antibody avidity during primary and secondary responses to anthrax protective antigen. <i>Journal of Immunological Methods</i> , 2014, 404, 1-12.	1.4	35

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91	Key mutations stabilize antigen-binding conformation during affinity maturation of a broadly neutralizing influenza antibody lineage. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 771-780.	2.6	34
92	Amino Acid Changes in the HIV-1 gp41 Membrane Proximal Region Control Virus Neutralization Sensitivity. <i>EBioMedicine</i> , 2016, 12, 196-207.	6.1	34
93	Geometric phase shifts under adiabatic parameter changes in classical dissipative systems. <i>Physical Review Letters</i> , 1991, 66, 847-849.	7.8	32
94	Enhanced Evolvability in Immunoglobulin V Genes Under Somatic Hypermutation. <i>Journal of Molecular Evolution</i> , 1999, 49, 23-26.	1.8	30
95	The Targeting of Somatic Hypermutation Closely Resembles That of Meiotic Mutation. <i>Journal of Immunology</i> , 2001, 166, 892-899.	0.8	29
96	Longitudinal Analysis of T-Cell Receptor Variable β Chain Repertoire in Patients with Acute Graft-versus-Host Disease after Allogeneic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2006, 12, 335-345.	2.0	29
97	β Cell-Specific CD4+ T Cell Clonotypes in Peripheral Blood and the Pancreatic Islets Are Distinct. <i>Journal of Immunology</i> , 2009, 183, 7585-7591.	0.8	29
98	Secretion of MIP-1 β and MIP-1 α by CD8+ T-lymphocytes correlates with HIV-1 inhibition independent of coreceptor usage. <i>Cellular Immunology</i> , 2011, 266, 154-164.	3.0	28
99	Statistical analysis of antigen receptor spectratype data. <i>Bioinformatics</i> , 2005, 21, 3394-3400.	4.1	26
100	Statistical inference of sequence-dependent mutation rates. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 612-615.	3.3	25
101	Spatial mixture modelling for unobserved point processes: examples in immunofluorescence histology. <i>Bayesian Analysis</i> , 2009, 4, 297-316.	3.0	25
102	Improved Inference of Mutation Rates: I. An Integral Representation for the Luria-Delbrück Distribution. <i>Theoretical Population Biology</i> , 2001, 59, 41-48.	1.1	23
103	Combined HIV-1 Envelope Systemic and Mucosal Immunization of Lactating Rhesus Monkeys Induces a Robust Immunoglobulin A Isotype B Cell Response in Breast Milk. <i>Journal of Virology</i> , 2016, 90, 4951-4965.	3.4	23
104	The Dynamics of T-Cell Receptor Repertoire Diversity Following Thymus Transplantation for DiGeorge Anomaly. <i>PLoS Computational Biology</i> , 2009, 5, e1000396.	3.2	22
105	Geometric phase shifts in chemical oscillators. <i>Nature</i> , 1991, 349, 506-508.	27.8	21
106	Open Source Research – the Power of Us. <i>Australian Journal of Chemistry</i> , 2006, 59, 291.	0.9	21
107	Quantification of total T-cell receptor diversity by flow cytometry and spectratyping. <i>BMC Immunology</i> , 2013, 14, 35.	2.2	21
108	The Multiscale Systems Immunology project: software for cell-based immunological simulation. <i>Source Code for Biology and Medicine</i> , 2008, 3, 6.	1.7	20

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109	HIV DNA-Adenovirus Multiclade Envelope Vaccine Induces gp41 Antibody Immunodominance in Rhesus Macaques. <i>Journal of Virology</i> , 2017, 91, .	3.4	20
110	Neonate-primed CD8+ memory cells rival adult-primed memory cells in antigen-driven expansion and anti-viral protection. <i>International Immunology</i> , 2006, 18, 249-257.	4.0	19
111	Boosting with AIDSVAX B/E Enhances Env Constant Region 1 and 2 Antibody-Dependent Cellular Cytotoxicity Breadth and Potency. <i>Journal of Virology</i> , 2020, 94, .	3.4	19
112	Genetic Plasticity of V Genes Under Somatic Hypermutation: Statistical Analyses Using a New Resampling-Based Methodology. <i>Genome Research</i> , 1999, 9, 1294-1304.	5.5	17
113	Genetic and structural analyses of affinity maturation in the humoral response to HIV-1. <i>Immunological Reviews</i> , 2017, 275, 129-144.	6.0	17
114	Spike initiation and propagation on axons with slow inward currents. <i>Biological Cybernetics</i> , 1993, 68, 209-214.	1.3	16
115	Improved Inference of Mutation Rates: II. Generalization of the Luria-Delbrück Distribution for Realistic Cell-Cycle Time Distributions. <i>Theoretical Population Biology</i> , 2001, 59, 49-59.	1.1	16
116	Terminal deoxynucleotidyl transferases from elasmobranchs reveal structural conservation within vertebrates. <i>Immunogenetics</i> , 2003, 55, 594-604.	2.4	16
117	Spatiotemporal programming of a simple inflammatory process. <i>Immunological Reviews</i> , 2007, 216, 153-163.	6.0	16
118	Metastasizing patent claims on BRCA1. <i>Genomics</i> , 2010, 95, 312-314.	2.9	16
119	Physiological Insights from Cellular and Network Models of the Stomatogastric Nervous System of Lobsters and Crabs. <i>American Zoologist</i> , 1993, 33, 29-39.	0.7	15
120	Egyptian Roussette IFN- γ Subtypes Elicit Distinct Antiviral Effects and Transcriptional Responses in Conspecific Cells. <i>Frontiers in Immunology</i> , 2020, 11, 435.	4.8	15
121	SpA: web-accessible spectratype analysis: data management, statistical analysis and visualization. <i>Bioinformatics</i> , 2005, 21, 3697-3699.	4.1	14
122	A Bayesian approach for estimating calibration curves and unknown concentrations in immunoassays. <i>Bioinformatics</i> , 2011, 27, 707-712.	4.1	14
123	A Model for Migratory B Cell Oscillations from Receptor Down-Regulation Induced by External Chemokine Fields. <i>Bulletin of Mathematical Biology</i> , 2013, 75, 185-205.	1.9	14
124	Paradoxical suppression of poly-specific broadly neutralizing antibodies in the presence of strain-specific neutralizing antibodies following HIV infection. <i>Journal of Theoretical Biology</i> , 2011, 277, 55-66.	1.7	13
125	Structural analysis of the unmutated ancestor of the HIV-1 envelope V2 region antibody CH58 isolated from an RV144 vaccine efficacy trial vaccinee. <i>EBioMedicine</i> , 2015, 2, 713-722.	6.1	13
126	Isolation and Structure of an Antibody that Fully Neutralizes Isolate SIVmac239 Reveals Functional Similarity of SIV and HIV Glycan Shields. <i>Immunity</i> , 2019, 51, 724-734.e4.	14.3	13

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127	Geometric phases in dissipative systems. <i>Chaos</i> , 1991, 1, 455-461.	2.5	10
128	Flow: Statistics, visualization and informatics for flow cytometry. <i>Source Code for Biology and Medicine</i> , 2008, 3, 10.	1.7	10
129	Density-dependent Prenatal Androgen Exposure as an Endogenous Mechanism for the Generation of Cycles in Small Mammal Populations. <i>Journal of Theoretical Biology</i> , 1998, 190, 93-106.	1.7	9
130	Amino acid biophysical properties in the statistical prediction of peptide-MHC class I binding. <i>Immunome Research</i> , 2007, 3, 9.	0.1	9
131	Improving peptide-MHC class I binding prediction for unbalanced datasets. <i>BMC Bioinformatics</i> , 2008, 9, 385.	2.6	8
132	Rescue of cytotoxic function in the CD8 α knockout mouse by removal of MHC class II. <i>European Journal of Immunology</i> , 2008, 38, 1511-1521.	2.9	7
133	Genetic correlates of autoreactivity and autoreactive potential in human Ig heavy chains. <i>Immunome Research</i> , 2009, 5, 1.	0.1	7
134	Bayesian Spatio-Dynamic Modeling in Cell Motility Studies: Learning Nonlinear Taxic Fields Guiding the Immune Response. <i>Journal of the American Statistical Association</i> , 2012, 107, 855-865.	3.1	7
135	High-throughput identification and dendritic cell-based functional validation of MHC class I-restricted Mycobacterium tuberculosis epitopes. <i>Scientific Reports</i> , 2014, 4, 4632.	3.3	7
136	HIV-1 Envelope Mimicry of Host Enzyme Kynureninase Does Not Disrupt Tryptophan Metabolism. <i>Journal of Immunology</i> , 2016, 197, 4663-4673.	0.8	6
137	Intra-seasonal antibody repertoire analysis of a subject immunized with an MF59 \hat{A} -adjuvanted pandemic 2009 H1N1 vaccine. <i>Vaccine</i> , 2018, 36, 5325-5332.	3.8	4
138	Hypermutation in T cells questioned. <i>Nature</i> , 1995, 375, 286-286.	27.8	3
139	Mixtures of Gaussian wells: Theory, computation, and application. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 3809-3820.	1.2	3
140	Microsimulation of Inducible Reorganization in Immunity. , 2006, , 437-450.		3
141	Bayesian Estimation of the Active Concentration and Affinity Constants Using Surface Plasmon Resonance Technology. <i>PLoS ONE</i> , 2015, 10, e0130812.	2.5	3
142	Development of Neutralization Breadth against Diverse HIV \hat{A} 1 by Increasing Ab \hat{A} Ag Interface on V2. <i>Advanced Science</i> , 2022, , 2200063.	11.2	3
143	Waiting times to appearance and dominance of advantageous mutants: estimation based on the likelihood. <i>Mathematical Biosciences</i> , 2001, 170, 59-77.	1.9	2
144	A linear two-state model with complex dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 280, 204-208.	2.1	2

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145	An Information-Theoretic Method for the Treatment of Plural Ancestry in Phylogenetics. <i>Molecular Biology and Evolution</i> , 2008, 25, 1199-1208.	8.9	2
146	Unconventional Interrogation Yields HIV's Escape Plan. <i>Cell Host and Microbe</i> , 2017, 21, 659-660.	11.0	1
147	Gain-Scanning for Protein Microarray Assays. <i>Journal of Proteome Research</i> , 2020, 19, 2664-2675.	3.7	1
148	HLA and HIV Infection Progression: Application of the Minimum Description Length Principle to Statistical Genetics. <i>Lecture Notes in Computer Science</i> , 2006, , 1-12.	1.3	0