

# Mark M Davis

## List of Publications by Year in Descending Order

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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.

280  
papers

42,114  
citations

105  
h-index

203  
g-index

302  
ext. papers

50,311  
ext. citations

22.7  
avg, IF

7.39  
L-index

#	Paper	IF	Citations
280	Durability of immune responses to the BNT162b2 mRNA vaccine.. <i>Med</i> , <b>2022</b> , 3, 25-27	31.7	8
279	Immune imprinting, breadth of variant recognition, and germinal center response in human SARS-CoV-2 infection and vaccination.. <i>Cell</i> , <b>2022</b> ,	56.2	32
278	Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabm7853	17.5	10
277	Minimal Information about MHC Multimers (MIAMM).. <i>Journal of Immunology</i> , <b>2022</b> , 208, 531-537	5.3	
276	Antibodies elicited by SARS-CoV-2 infection or mRNA vaccines have reduced neutralizing activity against Beta and Omicron pseudoviruses.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabn7842	17.5	26
275	Multiple early factors anticipate post-acute COVID-19 sequelae.. <i>Cell</i> , <b>2022</b> , 185, 881-895.e20	56.2	64
274	KIRCD8 T cells suppress pathogenic T cells and are active in autoimmune diseases and COVID-19.. <i>Science</i> , <b>2022</b> , 376, eabi9591	33.3	15
273	Human Coronary Plaque T Cells Are Clonal and Cross-React to Virus and Self.. <i>Circulation Research</i> , <b>2022</b> , 101161CIRCRESAHA121320090	15.7	4
272	CD4 T cells contribute to neurodegeneration in Lewy body dementia. <i>Science</i> , <b>2021</b> , 374, 868-874	33.3	14
271	Integrated single-cell transcriptomics and epigenomics reveals strong germinal center-associated etiology of autoimmune risk loci. <i>Science Immunology</i> , <b>2021</b> , 6, eabh3768	28	1
270	Single-cell sequencing unveils distinct immune microenvironments with CCR6-CCL20 crosstalk in human chronic pancreatitis. <i>Gut</i> , <b>2021</b> ,	19.2	2
269	Alloantigen-specific type 1 regulatory T cells suppress through CTLA-4 and PD-1 pathways and persist long-term in patients. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabf5264	17.5	2
268	Global analysis of shared T cell specificities in human non-small cell lung cancer enables HLA inference and antigen discovery. <i>Immunity</i> , <b>2021</b> , 54, 586-602.e8	32.3	16
267	Signatures of immune dysfunction in HIV and HCV infection share features with chronic inflammation in aging and persist after viral reduction or elimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
266	Learning from HIV-1 to predict the immunogenicity of T cell epitopes in SARS-CoV-2. <i>Science</i> , <b>2021</b> , 24, 102311	6.1	6
265	Nanoparticle-enabled innate immune stimulation activates endogenous tumor-infiltrating T cells with broad antigen specificities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
264	Divergent early antibody responses define COVID-19 disease trajectories <b>2021</b> ,		3

263	Systems Immunology: Revealing Influenza Immunological Imprint. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
262	Single-cell epigenomic landscape of peripheral immune cells reveals establishment of trained immunity in individuals convalescing from COVID-19. <i>Nature Cell Biology</i> , <b>2021</b> , 23, 620-630	23.4	17
261	Antigen-Specific T-Cell Activation Distinguishes between Recent and Remote Tuberculosis Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 1556-1565	10.2	9
260	CD8 T cells specific for conserved coronavirus epitopes correlate with milder disease in COVID-19 patients. <i>Science Immunology</i> , <b>2021</b> , 6,	28	34
259	The single-cell epigenomic and transcriptional landscape of immunity to influenza vaccination. <i>Cell</i> , <b>2021</b> , 184, 3915-3935.e21	56.2	23
258	Humans with inherited T cell CD28 deficiency are susceptible to skin papillomaviruses but are otherwise healthy. <i>Cell</i> , <b>2021</b> , 184, 3812-3828.e30	56.2	18
257	Systems vaccinology of the BNT162b2 mRNA vaccine in humans. <i>Nature</i> , <b>2021</b> , 596, 410-416	50.4	67
256	Immune Checkpoint Inhibitor Cardiotoxicity: Understanding Basic Mechanisms and Clinical Characteristics and Finding a Cure. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2021</b> , 61, 113-134	17.9	12
255	Regulation of peanut-specific CD8 T cells from nonallergic individuals. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 147, 385-387.e1	11.5	1
254	Aging and CMV discordance are associated with increased immune diversity between monozygotic twins. <i>Immunity and Ageing</i> , <b>2021</b> , 18, 5	9.7	5
253	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. <i>Nature Aging</i> , <b>2021</b> , 1, 598-615		36
252	Evolution of Cytomegalovirus-Responsive T Cell Clonality following Solid Organ Transplantation. <i>Journal of Immunology</i> , <b>2021</b> , 207, 2077-2085	5.3	2
251	Functional Consequences of Memory Inflation after Solid Organ Transplantation. <i>Journal of Immunology</i> , <b>2021</b> , 207, 2086-2095	5.3	2
250	Integrated analysis of plasma and single immune cells uncovers metabolic changes in individuals with COVID-19. <i>Nature Biotechnology</i> , <b>2021</b> ,	44.5	19
249	SIMON: Open-Source Knowledge Discovery Platform. <i>Patterns</i> , <b>2021</b> , 2, 100178	5.1	6
248	Modeling human adaptive immune responses with tonsil organoids. <i>Nature Medicine</i> , <b>2021</b> , 27, 125-135	50.5	45
247	Treatment With Simvastatin and Rifaximin Restores the Plasma Metabolomic Profile in Patients With Decompensated Cirrhosis.. <i>Hepatology Communications</i> , <b>2021</b> ,	6	1
246	Progenitor identification and SARS-CoV-2 infection in human distal lung organoids. <i>Nature</i> , <b>2020</b> , 588, 670-675	50.4	103

245	Upregulation of CD47 Is a Host Checkpoint Response to Pathogen Recognition. <i>MBio</i> , <b>2020</b> , 11,	7.8	17
244	T cell analysis in vaccination. <i>Current Opinion in Immunology</i> , <b>2020</b> , 65, 70-73	7.8	2
243	Analyzing the Mycobacterium tuberculosis immune response by T-cell receptor clustering with GLIPH2 and genome-wide antigen screening. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 1194-1202	44.5	91
242	Distinct immune characteristics distinguish hereditary and idiopathic chronic pancreatitis. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 2705-2711	15.9	9
241	Mass Cytometry Defines Virus-Specific CD4 T Cells in Influenza Vaccination. <i>ImmunoHorizons</i> , <b>2020</b> , 4, 774-788	2.7	2
240	Comprehensive T cell repertoire characterization of non-small cell lung cancer. <i>Nature Communications</i> , <b>2020</b> , 11, 603	17.4	67
239	Clonally expanded CD8 T cells patrol the cerebrospinal fluid in Alzheimer's disease. <i>Nature</i> , <b>2020</b> , 577, 399-404	50.4	221
238	alters the gut microbiota and modulates the functional metabolism of T regulatory cells in the context of immune checkpoint blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 27509-27515	11.5	39
237	An Integrated Multi-omic Single-Cell Atlas of Human B Cell Identity. <i>Immunity</i> , <b>2020</b> , 53, 217-232.e5	32.3	38
236	Systems immunology. <i>Current Opinion in Immunology</i> , <b>2020</b> , 65, 79-82	7.8	1
235	Multi-Omics Resolves a Sharp Disease-State Shift between Mild and Moderate COVID-19. <i>Cell</i> , <b>2020</b> , 183, 1479-1495.e20	56.2	186
234	The science and medicine of human immunology. <i>Science</i> , <b>2020</b> , 369,	33.3	54
233	Injectable Hydrogels for Sustained Codelivery of Subunit Vaccines Enhance Humoral Immunity. <i>ACS Central Science</i> , <b>2020</b> , 6, 1800-1812	16.8	38
232	Cardiovascular Complications in Patients with COVID-19: Consequences of Viral Toxicities and Host Immune Response. <i>Current Cardiology Reports</i> , <b>2020</b> , 22, 32	4.2	111
231	Emergent high fatality lung disease in systemic juvenile arthritis. <i>Annals of the Rheumatic Diseases</i> , <b>2019</b> , 78, 1722-1731	2.4	61
230	SIMON, an Automated Machine Learning System, Reveals Immune Signatures of Influenza Vaccine Responses. <i>Journal of Immunology</i> , <b>2019</b> , 203, 749-759	5.3	20
229	Select sequencing of clonally expanded CD8 T cells reveals limits to clonal expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 8995-9001	11.5	33
228	A clinically meaningful metric of immune age derived from high-dimensional longitudinal monitoring. <i>Nature Medicine</i> , <b>2019</b> , 25, 487-495	50.5	162

227	Shaping of infant B cell receptor repertoires by environmental factors and infectious disease. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	29
226	Distinct phenotype of CD4 T cells driving celiac disease identified in multiple autoimmune conditions. <i>Nature Medicine</i> , <b>2019</b> , 25, 734-737	50.5	74
225	Allergen-specific CD8 T cells in peanut-allergic individuals. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 1948-1952	11.5	8
224	Opposing T cell responses in experimental autoimmune encephalomyelitis. <i>Nature</i> , <b>2019</b> , 572, 481-487	50.4	70
223	Integrating Modern Immunology into Medicine <b>2019</b> , 41-45		
222	Recent progress in the analysis of T cell and B cell receptor repertoires. <i>Current Opinion in Immunology</i> , <b>2019</b> , 59, 109-114	7.8	16
221	Acute myeloid leukemia immunopeptidome reveals HLA presentation of mutated nucleophosmin. <i>PLoS ONE</i> , <b>2019</b> , 14, e0219547	3.7	22
220	Clonal replacement of tumor-specific T cells following PD-1 blockade. <i>Nature Medicine</i> , <b>2019</b> , 25, 1251-1255	35.5	472
219	Single-cell analysis reveals T cell infiltration in old neurogenic niches. <i>Nature</i> , <b>2019</b> , 571, 205-210	50.4	161
218	Computational and Systems Immunology: A Student's Perspective. <i>Trends in Immunology</i> , <b>2019</b> , 40, 665-668	4.1	1
217	Increased T Cell Differentiation and Cytolytic Function in Bangladeshi Compared to American Children. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2239	8.4	7
216	Predicting HLA class II antigen presentation through integrated deep learning. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 1332-1343	44.5	112
215	The FluPRINT dataset, a multidimensional analysis of the influenza vaccine imprint on the immune system. <i>Scientific Data</i> , <b>2019</b> , 6, 214	8.2	7
214	Pregnancy-Induced Alterations in NK Cell Phenotype and Function. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2469	8.4	23
213	Maria-I: A Deep-Learning Approach for Accurate Prediction of MHC Class I Tumor Neoantigen Presentation. <i>Blood</i> , <b>2019</b> , 134, 84-84	2.2	1
212	Follicular Lymphoma Organoids for Investigating the Tumor Microenvironment. <i>Blood</i> , <b>2019</b> , 134, 2799-2799		0
211	Hypoimmunogenic derivatives of induced pluripotent stem cells evade immune rejection in fully immunocompetent allogeneic recipients. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 252-258	44.5	255
210	A functional subset of CD8 T cells during chronic exhaustion is defined by SIRP1 expression. <i>Nature Communications</i> , <b>2019</b> , 10, 794	17.4	28

209	In vivo clonal expansion and phenotypes of hypocretin-specific CD4 T cells in narcolepsy patients and controls. <i>Nature Communications</i> , <b>2019</b> , 10, 5247	17.4	22
208	B-cell lymphomas present immunoglobulin neoantigens. <i>Blood</i> , <b>2019</b> , 133, 878-881	2.2	25
207	Rebooting Human Immunology. <i>Annual Review of Immunology</i> , <b>2018</b> , 36, 843-864	34.7	50
206	Transcript-indexed ATAC-seq for precision immune profiling. <i>Nature Medicine</i> , <b>2018</b> , 24, 580-590	50.5	93
205	Single-Cell Chromatin Modification Profiling Reveals Increased Epigenetic Variations with Aging. <i>Cell</i> , <b>2018</b> , 173, 1385-1397.e14	56.2	156
204	Plasmablast antibody repertoires in elderly influenza vaccine responders exhibit restricted diversity but increased breadth of binding across influenza strains. <i>Clinical Immunology</i> , <b>2018</b> , 193, 70-79	9	12
203	A Macrophage Colony-Stimulating-Factor-Producing $\gamma\delta$ T Cell Subset Prevents Malarial Parasitemic Recurrence. <i>Immunity</i> , <b>2018</b> , 48, 350-363.e7	32.3	60
202	Autologous iPSC-Based Vaccines Elicit Anti-tumor Responses In Vivo. <i>Cell Stem Cell</i> , <b>2018</b> , 22, 501-513.e18	7.8	78
201	Value of Circulating Cytokine Profiling During Submaximal Exercise Testing in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. <i>Scientific Reports</i> , <b>2018</b> , 8, 2779	4.9	23
200	Mapping and Quantification of Over 2000 O-linked Glycopeptides in Activated Human T Cells with Isotope-Targeted Glycoproteomics (Isotag). <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 764-775	7.6	90
199	Comparison of CyTOF assays across sites: Results of a six-center pilot study. <i>Journal of Immunological Methods</i> , <b>2018</b> , 453, 37-43	2.5	34
198	can mitigate intestinal immunopathology in the context of CTLA-4 blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 157-161	11.5	90
197	Antigen Identification for Orphan T Cell Receptors Expressed on Tumor-Infiltrating Lymphocytes. <i>Cell</i> , <b>2018</b> , 172, 549-563.e16	56.2	160
196	Will Systems Biology Deliver Its Promise and Contribute to the Development of New or Improved Vaccines? Seeing the Forest Rather than a Few Trees. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2018</b> , 10,	10.2	5
195	Isolation of a Structural Mechanism for Uncoupling T Cell Receptor Signaling from Peptide-MHC Binding. <i>Cell</i> , <b>2018</b> , 174, 672-687.e27	56.2	141
194	A multi-cohort study of the immune factors associated with M. tuberculosis infection outcomes. <i>Nature</i> , <b>2018</b> , 560, 644-648	50.4	117
193	Leveraging heterogeneity across multiple datasets increases cell-mixture deconvolution accuracy and reduces biological and technical biases. <i>Nature Communications</i> , <b>2018</b> , 9, 4735	17.4	77
192	Histone H3 lysine 4 methylation signature associated with human undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E11264-E11273	11.5	15

191	Organoid Modeling of the Tumor Immune Microenvironment. <i>Cell</i> , <b>2018</b> , 175, 1972-1988.e16	56.2	478
190	Advanced model systems and tools for basic and translational human immunology. <i>Genome Medicine</i> , <b>2018</b> , 10, 73	14.4	46
189	Allelic resolution NGS HLA typing of Class I and Class II loci and haplotypes in Cape Town, South Africa. <i>Human Immunology</i> , <b>2018</b> , 79, 839-847	2.3	16
188	Phylogenetic analysis of the human antibody repertoire reveals quantitative signatures of immune senescence and aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1105-1110	11.5	69
187	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. <i>Nature Medicine</i> , <b>2017</b> , 23, 174-184	50.5	204
186	T-Cell Receptor (TCR) Clonotype-Specific Differences in Inhibitory Activity of HIV-1 Cytotoxic T-Cell Clones Is Not Mediated by TCR Alone. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	10
185	Multicenter Systems Analysis of Human Blood Reveals Immature Neutrophils in Males and During Pregnancy. <i>Journal of Immunology</i> , <b>2017</b> , 198, 2479-2488	5.3	35
184	Human immune system variation. <i>Nature Reviews Immunology</i> , <b>2017</b> , 17, 21-29	36.5	279
183	Identifying specificity groups in the T cell receptor repertoire. <i>Nature</i> , <b>2017</b> , 547, 94-98	50.4	468
182	Systems immunology: just getting started. <i>Nature Immunology</i> , <b>2017</b> , 18, 725-732	19.1	117
181	Antigen presentation profiling reveals recognition of lymphoma immunoglobulin neoantigens. <i>Nature</i> , <b>2017</b> , 543, 723-727	50.4	161
180	Reply to Roerink et al: Methods for recruitment, serum separation, and storage were the same for patients and controls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9436	11.5	
179	Dynamics of the human antibody repertoire after B cell depletion in systemic sclerosis. <i>Science Immunology</i> , <b>2017</b> , 2,	28	29
178	Multicohort analysis reveals baseline transcriptional predictors of influenza vaccination responses. <i>Science Immunology</i> , <b>2017</b> , 2,	28	66
177	Cytokine signature associated with disease severity in chronic fatigue syndrome patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E7150-E7158	11.5	171
176	Clonal Expansion and Interrelatedness of Distinct B-Lineage Compartments in Multiple Myeloma Bone Marrow. <i>Cancer Immunology Research</i> , <b>2017</b> , 5, 744-754	12.5	12
175	High-Dimensional Phenotypic Mapping of Human Dendritic Cells Reveals Interindividual Variation and Tissue Specialization. <i>Immunity</i> , <b>2017</b> , 47, 1037-1050.e6	32.3	166
174	Adaptive Immune Receptor Repertoire Community recommendations for sharing immune-repertoire sequencing data. <i>Nature Immunology</i> , <b>2017</b> , 18, 1274-1278	19.1	95



173	Continuous immunotypes describe human immune variation and predict diverse responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E6097-E6106	11.5	65
172	The Repertoire Dissimilarity Index as a method to compare lymphocyte receptor repertoires. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 155	3.6	26
171	Human B-cell isotype switching origins of IgE. <i>Journal of Allergy and Clinical Immunology</i> , <b>2016</b> , 137, 579-586.e781	5.6	781
170	Molecular-level analysis of the serum antibody repertoire in young adults before and after seasonal influenza vaccination. <i>Nature Medicine</i> , <b>2016</b> , 22, 1456-1464	50.5	186
169	MHC-Peptide Tetramers to Visualize Antigen-Specific T Cells. <i>Current Protocols in Immunology</i> , <b>2016</b> , 115, 17.3.1-17.3.44	4	26
168	Successful immunotherapy induces previously unidentified allergen-specific CD4+ T-cell subsets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E1286-95	11.5	85
167	Detection, phenotyping, and quantification of antigen-specific T cells using a peptide-MHC dodecamer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E1890-7	11.5	60
166	CXCL13 is a plasma biomarker of germinal center activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2702-7	11.5	204
165	Defective T Memory Cell Differentiation after Varicella Zoster Vaccination in Older Individuals. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005892	7.6	44
164	Individual heritable differences result in unique cell lymphocyte receptor repertoires of naïve and antigen-experienced cells. <i>Nature Communications</i> , <b>2016</b> , 7, 11112	17.4	87
163	Author response: Lineage tracing of human B cells reveals the in vivo landscape of human antibody class switching <b>2016</b> ,		2
162	Antigen Presentation Profiling Reveals T-Cell Recognition of Lymphoma Immunoglobulin Neoantigens. <i>Blood</i> , <b>2016</b> , 128, 915-915	2.2	
161	Lineage tracing of human B cells reveals the in vivo landscape of human antibody class switching. <i>ELife</i> , <b>2016</b> , 5,	8.9	71
160	Defective Signaling in the JAK-STAT Pathway Tracks with Chronic Inflammation and Cardiovascular Risk in Aging Humans. <i>Cell Systems</i> , <b>2016</b> , 3, 374-384.e4	10.6	73
159	Inhibition of T cell receptor signaling by cholesterol sulfate, a naturally occurring derivative of membrane cholesterol. <i>Nature Immunology</i> , <b>2016</b> , 17, 844-50	19.1	91
158	Antigen exposure shapes the ratio between antigen-specific Tregs and conventional T cells in human peripheral blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E6192-E6198	11.5	28
157	Increased Proinflammatory Responses of Monocytes and Plasmacytoid Dendritic Cells to Influenza A Virus Infection During Pregnancy. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, 1666-1671	7	29
156	Global Analysis of O-GlcNAc Glycoproteins in Activated Human T Cells. <i>Journal of Immunology</i> , <b>2016</b> , 197, 3086-3098	5.3	55



155	In Praise of Descriptive Science: A Breath of Fresh AIRE. <i>Cell</i> , <b>2016</b> , 166, 530-531	56.2	1
154	Immunology. Flexibility for specificity. <i>Science</i> , <b>2015</b> , 347, 371-2	33.3	3
153	Mass cytometry analysis shows that a novel memory phenotype B cell is expanded in multiple myeloma. <i>Cancer Immunology Research</i> , <b>2015</b> , 3, 650-60	12.5	32
152	Tetramers reveal IL-17-secreting CD4+ T cells that are specific for U1-70 in lupus and mixed connective tissue disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 3044-9	11.5	19
151	mir-181a-1/b-1 Modulates Tolerance through Opposing Activities in Selection and Peripheral T Cell Function. <i>Journal of Immunology</i> , <b>2015</b> , 195, 1470-9	5.3	35
150	Immunologic Network and Response to Intramyocardial CD34+ Stem Cell Therapy in Patients With Dilated Cardiomyopathy. <i>Journal of Cardiac Failure</i> , <b>2015</b> , 21, 572-82	3.3	9
149	A population response analysis approach to assign class II HLA-epitope restrictions. <i>Journal of Immunology</i> , <b>2015</b> , 194, 6164-6176	5.3	30
148	Cytomegalovirus infection enhances the immune response to influenza. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 281ra43	17.5	205
147	William Erwin Paul (1936-2015). <i>Cell</i> , <b>2015</b> , 163, 529-30	56.2	0
146	Distinct Roles of Cytoskeletal Components in Immunological Synapse Formation and Directed Secretion. <i>Journal of Immunology</i> , <b>2015</b> , 195, 4117-25	5.3	17
145	New approaches to understanding the immune response to vaccination and infection. <i>Vaccine</i> , <b>2015</b> , 33, 5271-81	4.1	84
144	IgH sequences in common variable immune deficiency reveal altered B cell development and selection. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 302ra135	17.5	56
143	Distinct patterns of B-cell activation and priming by natural influenza virus infection versus inactivated influenza vaccination. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 211, 1051-9	7	22
142	The coreceptor CD4 is expressed in distinct nanoclusters and does not colocalize with T-cell receptor and active protein tyrosine kinase p56lck. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E1604-13	11.5	51
141	Clonal Deletion Prunes but Does Not Eliminate Self-Specific [CD8(+)] T Lymphocytes. <i>Immunity</i> , <b>2015</b> , 42, 929-41	32.3	184
140	Single-cell systems-level analysis of human Toll-like receptor activation defines a chemokine signature in patients with systemic lupus erythematosus. <i>Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 136, 1326-36	11.5	57
139	Pregnancy Does Not Attenuate the Antibody or Plasmablast Response to Inactivated Influenza Vaccine. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 861-70	7	37
138	Not-So-Negative Selection. <i>Immunity</i> , <b>2015</b> , 43, 833-5	32.3	22

137	Adenoviral Vector Vaccination Induces a Conserved Program of CD8(+) T Cell Memory Differentiation in Mouse and Man. <i>Cell Reports</i> , <b>2015</b> , 13, 1578-88	10.6	31
136	Variation in the human immune system is largely driven by non-heritable influences. <i>Cell</i> , <b>2015</b> , 160, 37-47	56.2	586
135	Computational resources for high-dimensional immune analysis from the Human Immunology Project Consortium. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 146-8	44.5	52
134	Effects of aging, cytomegalovirus infection, and EBV infection on human B cell repertoires. <i>Journal of Immunology</i> , <b>2014</b> , 192, 603-11	5.3	135
133	Beyond model antigens: high-dimensional methods for the analysis of antigen-specific T cells. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 149-57	44.5	102
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3	146 Alloantigen-specific Tr1 cells designed to prevent GvHD have a distinct molecular identity and suppress through CTLA-4 and PD-1		
2	Injectable hydrogels for sustained co-delivery of subunit vaccines enhance humoral immunity		1
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