

Scott D Boyd

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

12,987
citations

38742

50
h-index

29157

104
g-index

134
all docs

134
docs citations

134
times ranked

17764
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	Identifying specificity groups in the T cell receptor repertoire. <i>Nature</i> , 2017, 547, 94-98.	27.8	825
3	Diversity and clonal selection in the human T-cell repertoire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13139-13144.	7.1	622
4	Multiple early factors anticipate post-acute COVID-19 sequelae. <i>Cell</i> , 2022, 185, 881-895.e20.	28.9	605
5	Determinants of nucleosome organization in primary human cells. <i>Nature</i> , 2011, 474, 516-520.	27.8	567
6	B7-1 and B7-2 Have Overlapping, Critical Roles in Immunoglobulin Class Switching and Germinal Center Formation. <i>Immunity</i> , 1997, 6, 303-313.	14.3	479
7	Defining the features and duration of antibody responses to SARS-CoV-2 infection associated with disease severity and outcome. <i>Science Immunology</i> , 2020, 5, .	11.9	404
8	Measurement and Clinical Monitoring of Human Lymphocyte Clonality by Massively Parallel V-D-J Pyrosequencing. <i>Science Translational Medicine</i> , 2009, 1, 12ra23.	12.4	372
9	Defining antigen-specific plasmablast and memory B cell subsets in human blood after viral infection or vaccination. <i>Nature Immunology</i> , 2016, 17, 1226-1234.	14.5	348
10	Systems vaccinology of the BNT162b2 mRNA vaccine in humans. <i>Nature</i> , 2021, 596, 410-416.	27.8	313
11	An intact HDM2 RING-finger domain is required for nuclear exclusion of p53. <i>Nature Cell Biology</i> , 2000, 2, 563-568.	10.3	312
12	Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. <i>Cell</i> , 2016, 165, 449-463.	28.9	305
13	Convergent Antibody Signatures in Human Dengue. <i>Cell Host and Microbe</i> , 2013, 13, 691-700.	11.0	271
14	Individual Variation in the Germline Ig Gene Repertoire Inferred from Variable Region Gene Rearrangements. <i>Journal of Immunology</i> , 2010, 184, 6986-6992.	0.8	261
15	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. <i>Nature</i> , 2021, 594, 253-258.	27.8	253
16	Human Responses to Influenza Vaccination Show Seroconversion Signatures and Convergent Antibody Rearrangements. <i>Cell Host and Microbe</i> , 2014, 16, 105-114.	11.0	246
17	Immune imprinting, breadth of variant recognition, and germinal center response in human SARS-CoV-2 infection and vaccination. <i>Cell</i> , 2022, 185, 1025-1040.e14.	28.9	243
18	Proinflammatory IgG Fc structures in patients with severe COVID-19. <i>Nature Immunology</i> , 2021, 22, 67-73.	14.5	239

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19	Molecular and cellular mechanisms of food allergy and food tolerance. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 984-997.	2.9	227
20	Human B Cell Clonal Expansion and Convergent Antibody Responses to SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 28, 516-525.e5.	11.0	219
21	Sustained outcomes in oral immunotherapy for peanut allergy (POISED study): a large, randomised, double-blind, placebo-controlled, phase 2 study. <i>Lancet</i> , 2019, 394, 1437-1449.	13.7	215
22	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
23	Effects of Aging, Cytomegalovirus Infection, and EBV Infection on Human B Cell Repertoires. <i>Journal of Immunology</i> , 2014, 192, 603-611.	0.8	166
24	High-throughput VDJ sequencing for quantification of minimal residual disease in chronic lymphocytic leukemia and immune reconstitution assessment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 21194-21199.	7.1	160
25	Longitudinal Analysis of the Human B Cell Response to Ebola Virus Infection. <i>Cell</i> , 2019, 177, 1566-1582.e17.	28.9	153
26	Local immune response to food antigens drives meal-induced abdominal pain. <i>Nature</i> , 2021, 590, 151-156.	27.8	153
27	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
28	Modeling human adaptive immune responses with tonsil organoids. <i>Nature Medicine</i> , 2021, 27, 125-135.	30.7	133
29	Human B-cell isotype switching origins of IgE. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 579-586.e7.	2.9	132
30	Increased viral variants in children and young adults with impaired humoral immunity and persistent SARS-CoV-2 infection: A consecutive case series. <i>EBioMedicine</i> , 2021, 67, 103355.	6.1	128
31	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> , 2016, 113, E1286-95.	7.1	115
32	Single B-cell deconvolution of peanut-specific antibody responses in allergic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 157-167.	2.9	114
33	B-cell repertoire responses to varicella-zoster vaccination in human identical twins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 500-505.	7.1	112
34	Everything you wanted to know about small RNA but were afraid to ask. <i>Laboratory Investigation</i> , 2008, 88, 569-578.	3.7	107
35	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
36	The Inference of Phased Haplotypes for the Immunoglobulin H Chain V Region Gene Loci by Analysis of VDJ Gene Rearrangements. <i>Journal of Immunology</i> , 2012, 188, 1333-1340.	0.8	102

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37	Antibody and B cell responses to SARS-CoV-2 infection and vaccination. <i>Cell Host and Microbe</i> , 2021, 29, 1063-1075.	11.0	99
38	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
39	Antibodies elicited by SARS-CoV-2 infection or mRNA vaccines have reduced neutralizing activity against Beta and Omicron pseudoviruses. <i>Science Translational Medicine</i> , 2022, 14, eabn7842.	12.4	92
40	Antibody Response to COVID-19 Vaccination in Patients Receiving Dialysis. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2435-2438.	6.1	91
41	Origins and clonal convergence of gastrointestinal IgE ⁺ B cells in human peanut allergy. <i>Science Immunology</i> , 2020, 5, .	11.9	88
42	New tools for classification and monitoring of autoimmune diseases. <i>Nature Reviews Rheumatology</i> , 2012, 8, 317-328.	8.0	81
43	IgH sequences in common variable immune deficiency reveal altered B cell development and selection. <i>Science Translational Medicine</i> , 2015, 7, 302ra135.	12.4	77
44	Influenza vaccine-induced human bone marrow plasma cells decline within a year after vaccination. <i>Science</i> , 2020, 370, 237-241.	12.6	77
45	Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity. <i>Science Translational Medicine</i> , 2022, 14, eabm7853.	12.4	71
46	Aberrant B cell repertoire selection associated with HIV neutralizing antibody breadth. <i>Nature Immunology</i> , 2020, 21, 199-209.	14.5	68
47	Human lymphocyte repertoires in ageing. <i>Current Opinion in Immunology</i> , 2013, 25, 511-515.	5.5	65
48	Diversification of the antigen-specific T cell receptor repertoire after varicella zoster vaccination. <i>Science Translational Medicine</i> , 2016, 8, 332ra46.	12.4	64
49	Human adaptive immune receptor repertoire analysis—Past, present, and future. <i>Immunological Reviews</i> , 2018, 284, 9-23.	6.0	63
50	Persistent detection of SARS-CoV-2 RNA in patients and healthcare workers with COVID-19. <i>Journal of Clinical Virology</i> , 2020, 129, 104477.	3.1	61
51	Direct comparison of antibody responses to four SARS-CoV-2 vaccines in Mongolia. <i>Cell Host and Microbe</i> , 2021, 29, 1738-1743.e4.	11.0	61
52	Food allergy and omics. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 20-29.	2.9	59
53	Diagnostic Applications of High-Throughput DNA Sequencing. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2013, 8, 381-410.	22.4	58
54	Shaping of infant B cell receptor repertoires by environmental factors and infectious disease. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	58

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55	Adjuvanted H5N1 influenza vaccine enhances both cross-reactive memory B cell and strain-specific naive B cell responses in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17957-17964.	7.1	57
56	Alloimmunization to red blood cell antigens affects clinical outcomes in liver transplant patients. <i>Liver Transplantation</i> , 2007, 13, 1654-1661.	2.4	56
57	Deep sequencing and human antibody repertoire analysis. <i>Current Opinion in Immunology</i> , 2016, 40, 103-109.	5.5	49
58	Baseline Gastrointestinal Eosinophilia Is Common in Oral Immunotherapy Subjects With IgE-Mediated Peanut Allergy. <i>Frontiers in Immunology</i> , 2018, 9, 2624.	4.8	49
59	Shared B cell memory to coronaviruses and other pathogens varies in human age groups and tissues. <i>Science</i> , 2021, 372, 738-741.	12.6	47
60	Persistence and evolution of allergen-specific IgE repertoires during subcutaneous specific immunotherapy. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1535-1544.	2.9	41
61	Gastrointestinal Eosinophil Responses in a Longitudinal, Randomized Trial of Peanut Oral Immunotherapy. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 1151-1159.e14.	4.4	41
62	VDJbase: an adaptive immune receptor genotype and haplotype database. <i>Nucleic Acids Research</i> , 2020, 48, D1051-D1056.	14.5	39
63	Safety, immunogenicity, and protection provided by unadjuvanted and adjuvanted formulations of a recombinant plant-derived virus-like particle vaccine candidate for COVID-19 in nonhuman primates. <i>Cellular and Molecular Immunology</i> , 2022, 19, 222-233.	10.5	37
64	DJ Pairing during VDJ Recombination Shows Positional Biases That Vary among Individuals with Differing IGHD Locus Immunogenotypes. <i>Journal of Immunology</i> , 2016, 196, 1158-1164.	0.8	36
65	SARS-CoV-2 Nucleocapsid Plasma Antigen for Diagnosis and Monitoring of COVID-19. <i>Clinical Chemistry</i> , 2021, 68, 204-213.	3.2	36
66	Selective Immunophenotyping for Diagnosis of B-cell Neoplasms. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2013, 21, 116-131.	1.2	35
67	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
68	Durability of immune responses to the BNT162b2 mRNA vaccine. <i>Med</i> , 2022, 3, 25-27.	4.4	33
69	Global fingerprint of humans on the distribution of Bartonella bacteria in mammals. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006865.	3.0	31
70	Recent progress in the analysis of $\hat{1}\pm\hat{1}^2$ T cell and B cell receptor repertoires. <i>Current Opinion in Immunology</i> , 2019, 59, 109-114.	5.5	31
71	Biology and dynamics of B cells in the context of IgE-mediated food allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1707-1717.	5.7	31
72	A Comparison of Two Methods for Screening CEBPA Mutations in Patients with Acute Myeloid Leukemia. <i>Journal of Molecular Diagnostics</i> , 2009, 11, 319-323.	2.8	30

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73	Influenza virus infection history shapes antibody responses to influenza vaccination. <i>Nature Medicine</i> , 2022, 28, 363-372.	30.7	30
74	High-Throughput DNA Sequencing Analysis of Antibody Repertoires. <i>Microbiology Spectrum</i> , 2014, 2, .	3.0	24
75	Predicting Vaccine Responsiveness. <i>Cell Host and Microbe</i> , 2015, 17, 301-307.	11.0	24
76	Benchmarking the performance of human antibody gene alignment utilities using a 454 sequence dataset. <i>Bioinformatics</i> , 2010, 26, 3129-3130.	4.1	22
77	Transcriptional changes in peanut-specific CD4+ T cells over the course of oral immunotherapy. <i>Clinical Immunology</i> , 2020, 219, 108568.	3.2	22
78	SARS-CoV-2 Brain Regional Detection, Histopathology, Gene Expression, and Immunomodulatory Changes in Decedents with COVID-19. <i>Journal of Neuropathology and Experimental Neurology</i> , 2022, 81, 666-695.	1.7	22
79	Serial SARS-CoV-2 Receptor-Binding Domain Antibody Responses in Patients Receiving Dialysis. <i>Annals of Internal Medicine</i> , 2021, 174, 1073-1080.	3.9	21
80	Integration of Genomic Medicine into Pathology Residency Training. <i>Journal of Molecular Diagnostics</i> , 2013, 15, 141-148.	2.8	20
81	SARS-CoV-2 RNAemia in a Healthy Blood Donor 40 Days After Respiratory Illness Resolution. <i>Annals of Internal Medicine</i> , 2020, 173, 853-854.	3.9	20
82	Immune changes beyond Th2 pathways during rapid multifood immunotherapy enabled with omalizumab. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2809-2826.	5.7	18
83	Anti-nucleocapsid antibody levels and pulmonary comorbid conditions are linked to post-“COVID-19 syndrome. <i>JCI Insight</i> , 2022, 7, .	5.0	18
84	Oral Immunotherapy and Basophil and Mast Cell Reactivity in Food Allergy. <i>Frontiers in Immunology</i> , 2020, 11, 602660.	4.8	17
85	Design of a Genomics Curriculum: Competencies for Practicing Pathologists. <i>Archives of Pathology and Laboratory Medicine</i> , 2015, 139, 894-900.	2.5	15
86	Severe acute respiratory coronavirus virus 2 (SARS-CoV-2) seroprevalence in healthcare personnel in northern California early in the coronavirus disease 2019 (COVID-19) pandemic. <i>Infection Control and Hospital Epidemiology</i> , 2021, 42, 1053-1059.	1.8	15
87	Long-Term Accuracy of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Interferon- β Release Assay and Its Application in Household Investigation. <i>Clinical Infectious Diseases</i> , 2022, 75, e314-e321.	5.8	14
88	Gut Mucosal Antibody Responses and Implications for Food Allergy. <i>Frontiers in Immunology</i> , 2018, 9, 2221.	4.8	13
89	Estimated SARS-CoV-2 Seroprevalence in US Patients Receiving Dialysis 1 Year After the Beginning of the COVID-19 Pandemic. <i>JAMA Network Open</i> , 2021, 4, e2116572.	5.9	12
90	Cellular and humoral immune response to SARS-CoV-2 vaccination and booster dose in immunosuppressed patients: An observational cohort study. <i>Journal of Clinical Virology</i> , 2022, 153, 105217.	3.1	12

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91	Comprehensive whole-genome sequencing of an early-stage primary myelofibrosis patient defines low mutational burden and non-recurrent candidate genes. <i>Haematologica</i> , 2013, 98, 1689-1696.	3.5	10
92	Dynamics of Viral and Host Immune Cell MicroRNA Expression during Acute Infectious Mononucleosis. <i>Frontiers in Microbiology</i> , 2018, 8, 2666.	3.5	10
93	A Balanced Look at the Implications of Genomic (and Other "Omicrons") Testing for Disease Diagnosis and Clinical Care. <i>Genes</i> , 2014, 5, 748-766.	2.4	9
94	Randomized, controlled trial to assess the safety and efficacy of odanacatib in the treatment of men with osteoporosis. <i>Osteoporosis International</i> , 2021, 32, 173-184.	3.1	9
95	Case-Control Study of Individuals with Discrepant Nucleocapsid and Spike Protein SARS-CoV-2 IgG Results. <i>Clinical Chemistry</i> , 2021, 67, 977-986.	3.2	9
96	Evaluation of SARS-CoV-2 total antibody detection via a lateral flow nanoparticle fluorescence immunoassay. <i>Journal of Clinical Virology</i> , 2021, 139, 104818.	3.1	9
97	New technologies and applications in infant B cell immunology. <i>Current Opinion in Immunology</i> , 2019, 57, 53-57.	5.5	8
98	Histology-Independent Signature Distinguishes Kikuchi-Fujimoto Disease/Systemic Lupus Erythematosus-Associated Lymphadenitis From Benign and Malignant Lymphadenopathies. <i>American Journal of Clinical Pathology</i> , 2020, 154, 215-224.	0.7	8
99	Effective viral vector response to SARS-CoV-2 booster vaccination in a patient with rheumatoid arthritis after initial ineffective response to messenger RNA vaccine. <i>Arthritis and Rheumatology</i> , 2022, 74, 541-542.	5.6	7
100	High-Throughput DNA Sequencing Analysis of Antibody Repertoires. , 0, , 345-362.		6
101	Broadening Horizons: New Antibodies Against Influenza. <i>Cell</i> , 2016, 166, 532-533.	28.9	4
102	Use of Outpatient-Derived COVID-19 Convalescent Plasma in COVID-19 Patients Before Seroconversion. <i>Frontiers in Immunology</i> , 2021, 12, 739037.	4.8	3
103	Laboratory and Data Analysis Methods for Characterization of Human B Cell Repertoires by High-Throughput DNA Sequencing. <i>Methods in Molecular Biology</i> , 2015, 1343, 219-233.	0.9	3
104	Maternal and Infant Immune Repertoire Sequencing Analysis Identifies Distinct Ig and TCR Development in Term and Preterm Infants. <i>Journal of Immunology</i> , 2021, 207, ji2100566.	0.8	3
105	Gastrointestinal $\gamma\delta$ T cells reveal differentially expressed transcripts and enriched pathways during peanut oral immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1606-1610.	5.7	3
106	Regulation of the BCR signalosome by the class II peptide editor, H2-M, affects the development and repertoire of innate-like B cells. <i>Cell Reports</i> , 2022, 38, 110200.	6.4	2
107	Systems immunology of human humoral immunity. <i>Current Opinion in Systems Biology</i> , 2018, 12, 70-77.	2.6	1
108	Prospective Analysis of EBV+ PTLD in a Multi-Center Study of Pediatric Transplant Recipients. <i>Transplantation</i> , 2018, 102, S319.	1.0	1

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109	RNA-Seq of Gastrointestinal Biopsies During Oral Immunotherapy Reveals Changes in IgA Pathway. Journal of Allergy and Clinical Immunology, 2020, 145, AB132.	2.9	1
110	Genomic Status of the Epstein Barr Virus and Virus-Associated PI3K/Akt/mTOR Pathway Dysregulation in Post-Transplant Lymphoproliferative Disorder. Transplantation, 2018, 102, S95.	1.0	0
111	Transcriptomics Of Gastrointestinal Biopsies During Oral Immunotherapy Reveals Changes In IgA Pathway. Journal of Allergy and Clinical Immunology, 2021, 147, AB166.	2.9	0
112	Efficient Identification of High-Titer Anti-“Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antibody Plasma Samples by Pooling Method. Archives of Pathology and Laboratory Medicine, 2021, 145, 1221-1227.	2.5	0
113	Plasma as an alternative COVID-19 diagnostic specimen in a hospitalized patient negative for SARS-CoV-2 by nasopharyngeal swab. Diagnostic Microbiology and Infectious Disease, 2021, 100, 115365.	1.8	0
114	High-Throughput Sequencing for Diagnosis, Prognosis and Monitoring of Lymphoid Malignancies. Blood, 2008, 112, 3779-3779.	1.4	0
115	High-Throughput VDJ Sequencing Is Superior to Quantitative PCR and Flow Cytometry for the Quantification of Minimal Residual Disease In Chronic Lymphocytic Leukemia After Hematopoietic Cell Transplantation.. Blood, 2010, 116, 1290-1290.	1.4	0
116	Whole Genome Sequence Analysis of Primary Myelofibrosis.. Blood, 2012, 120, 2863-2863.	1.4	0