Scott D Boyd

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7642341/publications.pdf

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	Effective viral vector response to <scp>SARS</scp>â€“<scp>CoV</scp>â€2 booster vaccination in a patient with rheumatoid arthritis after initial ineffective response to messenger <scp>RNA</scp> vaccine. Arthritis and Rheumatology, 2022, 74, 541-542.	5.6	7
2	Durability of immune responses to the BNT162b2 mRNA vaccine. Med, 2022, 3, 25-27.	4.4	33
3	Immune imprinting, breadth of variant recognition, and germinal center response in human SARS-CoV-2 infection and vaccination. Cell, 2022, 185, 1025-1040.e14.	28.9	243
4	Long-Term Accuracy of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Interferon-Î³ Release Assay and Its Application in Household Investigation. Clinical Infectious Diseases, 2022, 75, e314-e321.	5.8	14
5	Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity. Science Translational Medicine, 2022, 14, eabm7853.	12.4	71
6	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. Cellular and Molecular Immunology, 2022, 19, 222-233.	10.5	37
7	Regulation of the BCR signalosome by the class II peptide editor, H2-M, affects the development and repertoire of innate-like B cells. Cell Reports, 2022, 38, 110200.	6.4	2
8	Antibodies elicited by SARS-CoV-2 infection or mRNA vaccines have reduced neutralizing activity against Beta and Omicron pseudoviruses. Science Translational Medicine, 2022, 14, eabn7842.	12.4	92
9	Multiple early factors anticipate post-acute COVID-19 sequelae. Cell, 2022, 185, 881-895.e20.	28.9	605
10	Gastrointestinal Î³Î´ T cells reveal differentially expressed transcripts and enriched pathways during peanut oral immunotherapy. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1606-1610.	5.7	3
11	Influenza virus infection history shapes antibody responses to influenza vaccination. Nature Medicine, 2022, 28, 363-372.	30.7	30
12	Cellular and humoral immune response to SARS-CoV-2 vaccination and booster dose in immunosuppressed patients: An observational cohort study. Journal of Clinical Virology, 2022, 153, 105217.	3.1	12
13	Anti-nucleocapsid antibody levels and pulmonary comorbid conditions are linked to postâ€“COVID-19 syndrome. JCI Insight, 2022, 7, .	5.0	18
14	SARS-CoV-2 Brain Regional Detection, Histopathology, Gene Expression, and Immunomodulatory Changes in Decedents with COVID-19. Journal of Neuropathology and Experimental Neurology, 2022, 81, 666-695.	1.7	22
15	Biology and dynamics of B cells in the context of IgEâ€mediated food allergy. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1707-1717.	5.7	31
16	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. Infection Control and Hospital Epidemiology, 2021, 42, 1053-1059.	1.8	15
17	Proinflammatory IgG Fc structures in patients with severe COVID-19. Nature Immunology, 2021, 22, 67-73.	14.5	239
18	Randomized, controlled trial to assess the safety and efficacy of odanacatib in the treatment of men with osteoporosis. Osteoporosis International, 2021, 32, 173-184.	3.1	9

#	Article	IF	Citations
19	Local immune response to food antigens drives meal-induced abdominal pain. Nature, 2021, 590, 151-156.	27.8	153
20	SARS-CoV-2 Nucleocapsid Plasma Antigen for Diagnosis and Monitoring of COVID-19. Clinical Chemistry, 2021, 68, 204-213.	3.2	36
21	Transcriptomics Of Gastrointestinal Biopsies During Oral Immunotherapy Reveals Changes In IgA Pathway. Journal of Allergy and Clinical Immunology, 2021, 147, AB166.	2.9	0
22	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. Nature, 2021, 594, 253-258.	27.8	253
23	Shared B cell memory to coronaviruses and other pathogens varies in human age groups and tissues. Science, 2021, 372, 738-741.	12.6	47
24	Increased viral variants in children and young adults with impaired humoral immunity and persistent SARS-CoV-2 infection: A consecutive case series. EBioMedicine, 2021, 67, 103355.	6.1	128
25	Case-Control Study of Individuals with Discrepant Nucleocapsid and Spike Protein SARS-CoV-2 IgG Results. Clinical Chemistry, 2021, 67, 977-986.	3.2	9
26	Immune changes beyond Th2 pathways during rapid multifood immunotherapy enabled with omalizumab. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2809-2826.	5.7	18
27	Gastrointestinal Eosinophil Responses in a Longitudinal, Randomized Trial of Peanut Oral Immunotherapy. Clinical Gastroenterology and Hepatology, 2021, 19, 1151-1159.e14.	4.4	41
28	Efficient Identification of High-Titer Antiâ€“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
29	Antibody Response to COVID-19 Vaccination in Patients Receiving Dialysis. Journal of the American Society of Nephrology: JASN, 2021, 32, 2435-2438.	6.1	91
30	Evaluation of SARS-CoV-2 total antibody detection via a lateral flow nanoparticle fluorescence immunoassay. Journal of Clinical Virology, 2021, 139, 104818.	3.1	9
31	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
32	Antibody and B cell responses to SARS-CoV-2 infection and vaccination. Cell Host and Microbe, 2021, 29, 1063-1075.	11.0	99
33	Systems vaccinology of the BNT162b2 mRNA vaccine in humans. Nature, 2021, 596, 410-416.	27.8	313
34	Estimated SARS-CoV-2 Seroprevalence in US Patients Receiving Dialysis 1 Year After the Beginning of the COVID-19 Pandemic. JAMA Network Open, 2021, 4, e2116572.	5.9	12
35	Serial SARS-CoV-2 Receptor-Binding Domain Antibody Responses in Patients Receiving Dialysis. Annals of Internal Medicine, 2021, 174, 1073-1080.	3.9	21
36	Use of Outpatient-Derived COVID-19 Convalescent Plasma in COVID-19 Patients Before Seroconversion. Frontiers in Immunology, 2021, 12, 739037.	4.8	3

#	Article	IF	Citations
37	Modeling human adaptive immune responses with tonsil organoids. Nature Medicine, 2021, 27, 125-135.	30.7	133
38	Maternal and Infant Immune Repertoire Sequencing Analysis Identifies Distinct Ig and TCR Development in Term and Preterm Infants. Journal of Immunology, 2021, 207, ji2100566.	0.8	3
39	Direct comparison of antibody responses to four SARS-CoV-2 vaccines in Mongolia. Cell Host and Microbe, 2021, 29, 1738-1743.e4.	11.0	61
40	VDJbase: an adaptive immune receptor genotype and haplotype database. Nucleic Acids Research, 2020, 48, D1051-D1056.	14.5	39
41	Adjuvanted H5N1 influenza vaccine enhances both cross-reactive memory B cell and strain-specific naive B cell responses in humans. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17957-17964.	7.1	57
42	SARS-CoV-2 RNAemia in a Healthy Blood Donor 40 Days After Respiratory Illness Resolution. Annals of Internal Medicine, 2020, 173, 853-854.	3.9	20
43	Transcriptional changes in peanut-specific CD4+ T cells over the course of oral immunotherapy. Clinical Immunology, 2020, 219, 108568.	3.2	22
44	Influenza vaccineâ€“induced human bone marrow plasma cells decline within a year after vaccination. Science, 2020, 370, 237-241.	12.6	77
45	Human B Cell Clonal Expansion and Convergent Antibody Responses to SARS-CoV-2. Cell Host and Microbe, 2020, 28, 516-525.e5.	11.0	219
46	Oral Immunotherapy and Basophil and Mast Cell Reactivity in Food Allergy. Frontiers in Immunology, 2020, 11, 602660.	4.8	17
47	Defining the features and duration of antibody responses to SARS-CoV-2 infection associated with disease severity and outcome. Science Immunology, 2020, 5, .	11.9	404
48	Histology-Independent Signature Distinguishes Kikuchi-Fujimoto Disease/Systemic Lupus Erythematosusâ€“Associated Lymphadenitis From Benign and Malignant Lymphadenopathies. American Journal of Clinical Pathology, 2020, 154, 215-224.	0.7	8
49	Persistent detection of SARS-CoV-2 RNA in patients and healthcare workers with COVID-19. Journal of Clinical Virology, 2020, 129, 104477.	3.1	61
50	Origins and clonal convergence of gastrointestinal IgE ⁺ B cells in human peanut allergy. Science Immunology, 2020, 5, .	11.9	88
51	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
52	Aberrant B cell repertoire selection associated with HIV neutralizing antibody breadth. Nature Immunology, 2020, 21, 199-209.	14.5	68
53	Recent progress in the analysis of Î±Î² T cell and B cell receptor repertoires. Current Opinion in Immunology, 2019, 59, 109-114.	5.5	31
54	Sustained outcomes in oral immunotherapy for peanut allergy (POISED study): a large, randomised, double-blind, placebo-controlled, phase 2 study. Lancet, The, 2019, 394, 1437-1449.	13.7	215

#	Article	IF	Citations
55	Longitudinal Analysis of the Human B Cell Response to Ebola Virus Infection. Cell, 2019, 177, 1566-1582.e17.	28.9	153
56	Shaping of infant B cell receptor repertoires by environmental factors and infectious disease. Science Translational Medicine, 2019, 11, .	12.4	58
57	New technologies and applications in infant B cell immunology. Current Opinion in Immunology, 2019, 57, 53-57.	5.5	8
58	Food allergy and omics. Journal of Allergy and Clinical Immunology, 2018, 141, 20-29.	2.9	59
59	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
60	Global fingerprint of humans on the distribution of Bartonella bacteria in mammals. PLoS Neglected Tropical Diseases, 2018, 12, e0006865.	3.0	31
61	Systems immunology of human humoral immunity. Current Opinion in Systems Biology, 2018, 12, 70-77.	2.6	1
62	Prospective Analysis of EBV+ PTLD in a Multi-Center Study of Pediatric Transplant Recipients. Transplantation, 2018, 102, S319.	1.0	1
63	Baseline Gastrointestinal Eosinophilia Is Common in Oral Immunotherapy Subjects With IgE-Mediated Peanut Allergy. Frontiers in Immunology, 2018, 9, 2624.	4.8	49
64	Gut Mucosal Antibody Responses and Implications for Food Allergy. Frontiers in Immunology, 2018, 9, 2221.	4.8	13
65	Human adaptive immune receptor repertoire analysisâ€"Past, present, and future. Immunological Reviews, 2018, 284, 9-23.	6.0	63
66	Dynamics of Viral and Host Immune Cell MicroRNA Expression during Acute Infectious Mononucleosis. Frontiers in Microbiology, 2018, 8, 2666.	3.5	10
67	Identifying specificity groups in the T cell receptor repertoire. Nature, 2017, 547, 94-98.	27.8	825
68	Molecular and cellular mechanisms of food allergy and food tolerance. Journal of Allergy and Clinical Immunology, 2016, 137, 984-997.	2.9	227
69	Persistence and evolution of allergen-specific IgE repertoires during subcutaneous specific immunotherapy. Journal of Allergy and Clinical Immunology, 2016, 137, 1535-1544.	2.9	41
70	Deep sequencing and human antibody repertoire analysis. Current Opinion in Immunology, 2016, 40, 103-109.	5.5	49
71	Broadening Horizons: New Antibodies Against Influenza. Cell, 2016, 166, 532-533.	28.9	4
72	Defining antigen-specific plasmablast and memory B cell subsets in human blood after viral infection or vaccination. Nature Immunology, 2016, 17, 1226-1234.	14.5	348

#	Article	IF	Citations
73	Diversification of the antigen-specific T cell receptor repertoire after varicella zoster vaccination. Science Translational Medicine, 2016, 8, 332ra46.	12.4	64
74	Amino Acid Changes in the HIV-1 gp41 Membrane Proximal Region Control Virus Neutralization Sensitivity. EBioMedicine, 2016, 12, 196-207.	6.1	34
75	DJ Pairing during VDJ Recombination Shows Positional Biases That Vary among Individuals with Differing IGHD Locus Immunogenotypes. Journal of Immunology, 2016, 196, 1158-1164.	0.8	36
76	Successful immunotherapy induces previously unidentified allergen-specific CD4+ T-cell subsets. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1286-95.	7.1	115
77	Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. Cell, 2016, 165, 449-463.	28.9	305
78	Human B-cell isotype switching origins of IgE. Journal of Allergy and Clinical Immunology, 2016, 137, 579-586.e7.	2.9	132
79	Single B-cell deconvolution of peanut-specific antibody responses in allergic patients. Journal of Allergy and Clinical Immunology, 2016, 137, 157-167.	2.9	114
80	B-cell repertoire responses to varicella-zoster vaccination in human identical twins. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 500-505.	7.1	112
81	Predicting Vaccine Responsiveness. Cell Host and Microbe, 2015, 17, 301-307.	11.0	24
82	IgH sequences in common variable immune deficiency reveal altered B cell development and selection. Science Translational Medicine, 2015, 7, 302ra135.	12.4	77
83	Design of a Genomics Curriculum: Competencies for Practicing Pathologists. Archives of Pathology and Laboratory Medicine, 2015, 139, 894-900.	2.5	15
84	Laboratory and Data Analysis Methods for Characterization of Human B Cell Repertoires by High-Throughput DNA Sequencing. Methods in Molecular Biology, 2015, 1343, 219-233.	0.9	3
85	A Balanced Look at the Implications of Genomic (and Other â€œOmicsâ€) Testing for Disease Diagnosis and Clinical Care. Genes, 2014, 5, 748-766.	2.4	9
86	Effects of Aging, Cytomegalovirus Infection, and EBV Infection on Human B Cell Repertoires. Journal of Immunology, 2014, 192, 603-611.	0.8	166
87	Immunoglobulin Gene Insertions and Deletions in the Affinity Maturation of HIV-1 Broadly Reactive Neutralizing Antibodies. Cell Host and Microbe, 2014, 16, 304-313.	11.0	137
88	Diversity and clonal selection in the human T-cell repertoire. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13139-13144.	7.1	622
89	Human Responses to Influenza Vaccination Show Seroconversion Signatures and Convergent Antibody Rearrangements. Cell Host and Microbe, 2014, 16, 105-114.	11.0	246
90	HIV-1 Envelope gp41 Antibodies Can Originate from Terminal Ileum B Cells that Share Cross-Reactivity with Commensal Bacteria. Cell Host and Microbe, 2014, 16, 215-226.	11.0	105

#	Article	IF	Citations
91	High-Throughput DNA Sequencing Analysis of Antibody Repertoires. Microbiology Spectrum, 2014, 2, .	3.0	24
92	An autoreactive antibody from an SLE/HIV-1 individual broadly neutralizes HIV-1. Journal of Clinical Investigation, 2014, 124, 1835-1843.	8.2	93
93	Human lymphocyte repertoires in ageing. Current Opinion in Immunology, 2013, 25, 511-515.	5.5	65
94	Diagnostic Applications of High-Throughput DNA Sequencing. Annual Review of Pathology: Mechanisms of Disease, 2013, 8, 381-410.	22.4	58
95	Co-evolution of a broadly neutralizing HIV-1 antibody and founder virus. Nature, 2013, 496, 469-476.	27.8	961
96	Convergent Antibody Signatures in Human Dengue. Cell Host and Microbe, 2013, 13, 691-700.	11.0	271
97	Integration of Genomic Medicine into Pathology Residency Training. Journal of Molecular Diagnostics, 2013, 15, 141-148.	2.8	20
98	Selective Immunophenotyping for Diagnosis of B-cell Neoplasms. Applied Immunohistochemistry and Molecular Morphology, 2013, 21, 116-131.	1.2	35
99	Comprehensive whole-genome sequencing of an early-stage primary myelofibrosis patient defines low mutational burden and non-recurrent candidate genes. Haematologica, 2013, 98, 1689-1696.	3.5	10
100	The Inference of Phased Haplotypes for the Immunoglobulin H Chain V Region Gene Loci by Analysis of VDJ Gene Rearrangements. Journal of Immunology, 2012, 188, 1333-1340.	0.8	102
101	New tools for classification and monitoring of autoimmune diseases. Nature Reviews Rheumatology, 2012, 8, 317-328.	8.0	81
102	Whole Genome Sequence Analysis of Primary Myelofibrosis.. Blood, 2012, 120, 2863-2863.	1.4	0
103	Initial antibodies binding to HIV-1 gp41 in acutely infected subjects are polyreactive and highly mutated. Journal of Experimental Medicine, 2011, 208, 2237-2249.	8.5	198
104	High-throughput VDJ sequencing for quantification of minimal residual disease in chronic lymphocytic leukemia and immune reconstitution assessment. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21194-21199.	7.1	160
105	Determinants of nucleosome organization in primary human cells. Nature, 2011, 474, 516-520.	27.8	567
106	Individual Variation in the Germline Ig Gene Repertoire Inferred from Variable Region Gene Rearrangements. Journal of Immunology, 2010, 184, 6986-6992.	0.8	261
107	Benchmarking the performance of human antibody gene alignment utilities using a 454 sequence dataset. Bioinformatics, 2010, 26, 3129-3130.	4.1	22
108	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

#	Article	IF	Citations
109	Measurement and Clinical Monitoring of Human Lymphocyte Clonality by Massively Parallel V-D-J Pyrosequencing. Science Translational Medicine, 2009, 1, 12ra23.	12.4	372
110	A Comparison of Two Methods for Screening CEBPA Mutations in Patients with Acute Myeloid Leukemia. Journal of Molecular Diagnostics, 2009, 11, 319-323.	2.8	30
111	Everything you wanted to know about small RNA but were afraid to ask. Laboratory Investigation, 2008, 88, 569-578.	3.7	107
112	High-Throughput Sequencing for Diagnosis, Prognosis and Monitoring of Lymphoid Malignancies. Blood, 2008, 112, 3779-3779.	1.4	0
113	Alloimmunization to red blood cell antigens affects clinical outcomes in liver transplant patients. Liver Transplantation, 2007, 13, 1654-1661.	2.4	56
114	An intact HDM2 RING-finger domain is required for nuclear exclusion of p53. Nature Cell Biology, 2000, 2, 563-568.	10.3	312
115	B7-1 and B7-2 Have Overlapping, Critical Roles in Immunoglobulin Class Switching and Germinal Center Formation. Immunity, 1997, 6, 303-313.	14.3	479
116	High-Throughput DNA Sequencing Analysis of Antibody Repertoires. , 0, , 345-362.		6