

Sean A Diehl

List of Publications by Citations

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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.

58

papers

3,518

citations

29

h-index

59

g-index

67

ext. papers

4,233

ext. citations

8.5

avg, IF

4.88

L-index

#	Paper	IF	Citations
58	The two faces of IL-6 on Th1/Th2 differentiation. <i>Molecular Immunology</i> , 2002 , 39, 531-6	4.3	601
57	Inhibition of Th1 differentiation by IL-6 is mediated by SOCS1. <i>Immunity</i> , 2000 , 13, 805-15	32.3	308
56	Generation of stable monoclonal antibody-producing B cell receptor-positive human memory B cells by genetic programming. <i>Nature Medicine</i> , 2010 , 16, 123-8	50.5	208
55	STAT3-mediated up-regulation of BLIMP1 is coordinated with BCL6 down-regulation to control human plasma cell differentiation. <i>Journal of Immunology</i> , 2008 , 180, 4805-15	5.3	172
54	The live attenuated dengue vaccine TV003 elicits complete protection against dengue in a human challenge model. <i>Science Translational Medicine</i> , 2016 , 8, 330ra36	17.5	153
53	Induction of NFATc2 expression by interleukin 6 promotes T helper type 2 differentiation. <i>Journal of Experimental Medicine</i> , 2002 , 196, 39-49	16.6	152
52	STAT5 regulates the self-renewal capacity and differentiation of human memory B cells and controls Bcl-6 expression. <i>Nature Immunology</i> , 2005 , 6, 303-13	19.1	129
51	Robust and Balanced Immune Responses to All 4 Dengue Virus Serotypes Following Administration of a Single Dose of a Live Attenuated Tetravalent Dengue Vaccine to Healthy, Flavivirus-Naive Adults. <i>Journal of Infectious Diseases</i> , 2015 , 212, 702-10	7	123
50	The human CD8+ T cell responses induced by a live attenuated tetravalent dengue vaccine are directed against highly conserved epitopes. <i>Journal of Virology</i> , 2015 , 89, 120-8	6.6	118
49	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. <i>Journal of Virology</i> , 2017 , 91,	6.6	113
48	IL-21 is expressed in Hodgkin lymphoma and activates STAT5: evidence that activated STAT5 is required for Hodgkin lymphomagenesis. <i>Blood</i> , 2008 , 111, 4706-15	2.2	98
47	IL-6 triggers IL-21 production by human CD4+ T cells to drive STAT3-dependent plasma cell differentiation in B cells. <i>Immunology and Cell Biology</i> , 2012 , 90, 802-11	5	83
46	Direct RT-qPCR detection of SARS-CoV-2 RNA from patient nasopharyngeal swabs without an RNA extraction step. <i>PLoS Biology</i> , 2020 , 18, e3000896	9.7	77
45	The "Performance of Rotavirus and Oral Polio Vaccines in Developing Countries" (PROVIDE) study: description of methods of an interventional study designed to explore complex biologic problems. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 92, 744-51	3.2	74
44	New insights into the regulation of human B-cell differentiation. <i>Trends in Immunology</i> , 2009 , 30, 277-85	14.4	73
43	Human megakaryocytes possess intrinsic antiviral immunity through regulated induction of IFITM3. <i>Blood</i> , 2019 , 133, 2013-2026	2.2	70
42	In a randomized trial, the live attenuated tetravalent dengue vaccine TV003 is well-tolerated and highly immunogenic in subjects with flavivirus exposure prior to vaccination. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005584	4.8	62

41	Human CD4 T Cell Responses to an Attenuated Tetravalent Dengue Vaccine Parallel Those Induced by Natural Infection in Magnitude, HLA Restriction, and Antigen Specificity. <i>Journal of Virology</i> , 2017 , 91,	6.6	59
40	Generation of human antigen-specific monoclonal IgM antibodies using vaccinated "human immune system" mice. <i>PLoS ONE</i> , 2010 , 5, e13137	3.7	55
39	Viridot: An automated virus plaque (immunofocus) counter for the measurement of serological neutralizing responses with application to dengue virus. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006862	4.8	52
38	Histo-Blood Group Antigen Phenotype Determines Susceptibility to Genotype-Specific Rotavirus Infections and Impacts Measures of Rotavirus Vaccine Efficacy. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1399-1407	7	49
37	Global Assessment of Dengue Virus-Specific CD4 T Cell Responses in Dengue-Endemic Areas. <i>Frontiers in Immunology</i> , 2017 , 8, 1309	8.4	49
36	Interleukin-6 receptor blockade selectively reduces IL-21 production by CD4 T cells and IgG4 autoantibodies in rheumatoid arthritis. <i>International Journal of Biological Sciences</i> , 2013 , 9, 279-88	11.2	49
35	Spi-B inhibits human plasma cell differentiation by repressing BLIMP1 and XBP-1 expression. <i>Blood</i> , 2008 , 112, 1804-12	2.2	49
34	DIRECT RT-qPCR DETECTION OF SARS-CoV-2 RNA FROM PATIENT NASOPHARYNGEAL SWABS WITHOUT AN RNA EXTRACTION STEP 2020 ,		49
33	Mitochondrial Ca ²⁺ and membrane potential, an alternative pathway for Interleukin 6 to regulate CD4 cell effector function. <i>ELife</i> , 2015 , 4,	8.9	48
32	Accumulation of NFAT mediates IL-2 expression in memory, but not naive, CD4+ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 7175-80	11.5	47
31	Endothelial histamine H1 receptor signaling reduces blood-brain barrier permeability and susceptibility to autoimmune encephalomyelitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 18967-72	11.5	46
30	Delayed Dosing of Oral Rotavirus Vaccine Demonstrates Decreased Risk of Rotavirus Gastroenteritis Associated With Serum Zinc: A Randomized Controlled Trial. <i>Clinical Infectious Diseases</i> , 2016 , 63, 634-41	11.6	38
29	IP3 receptor-mediated Ca ²⁺ release in naive CD4 T cells dictates their cytokine program. <i>Journal of Immunology</i> , 2008 , 181, 8315-22	5.3	27
28	Inhibition of NFAT specifically in T cells prevents allergic pulmonary inflammation. <i>Journal of Immunology</i> , 2004 , 172, 3597-603	5.3	26
27	Genetic analysis of the influence of neuroantigen-complete Freund's adjuvant emulsion structures on the sexual dimorphism and susceptibility to experimental allergic encephalomyelitis. <i>American Journal of Pathology</i> , 2003 , 163, 1623-32	5.8	25
26	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. <i>Journal of Virology</i> , 2020 , 94,	6.6	24
25	Kinetics and isotype assessment of antibodies targeting the spike protein receptor-binding domain of severe acute respiratory syndrome-coronavirus-2 in COVID-19 patients as a function of age, biological sex and disease severity. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1189	6.8	23
24	Human antibody response to Zika targets type-specific quaternary structure epitopes. <i>JCI Insight</i> , 2019 , 4,	9.9	22

23	Genetics of experimental allergic encephalomyelitis supports the role of T helper cells in multiple sclerosis pathogenesis. <i>Annals of Neurology</i> , 2011 , 70, 887-96	9.4	20
22	SNPs upstream of the minimal promoter control IL-2 expression and are candidates for the autoimmune disease-susceptibility locus Aod2/Idd3/Eae3. <i>Genes and Immunity</i> , 2008 , 9, 115-21	4.4	17
21	UV decontamination of personal protective equipment with idle laboratory biosafety cabinets during the COVID-19 pandemic. <i>PLoS ONE</i> , 2021 , 16, e0241734	3.7	17
20	Patterns of Cellular Immunity Associated with Experimental Infection with rDEN2B0 (Tonga/74) Support Its Suitability as a Human Dengue Virus Challenge Strain. <i>Journal of Virology</i> , 2017 , 91,	6.6	16
19	Rotavirus-Specific Immunoglobulin A Responses Are Impaired and Serve as a Suboptimal Correlate of Protection Among Infants in Bangladesh. <i>Clinical Infectious Diseases</i> , 2018 , 67, 186-192	11.6	16
18	Longitudinal analysis of acute and convalescent B cell responses in a human primary dengue serotype 2 infection model. <i>EBioMedicine</i> , 2019 , 41, 465-478	8.8	13
17	Rapid Induction and Maintenance of Virus-Specific CD8 T and CD4 T Cells Following Protective Vaccination Against Dengue Virus Challenge in Humans. <i>Frontiers in Immunology</i> , 2020 , 11, 479	8.4	12
16	A tetravalent live attenuated dengue virus vaccine stimulates balanced immunity to multiple serotypes in humans. <i>Nature Communications</i> , 2021 , 12, 1102	17.4	12
15	G proteins G α 1/3 are critical targets for Bordetella pertussis toxin-induced vasoactive amine sensitization. <i>Infection and Immunity</i> , 2014 , 82, 773-82	3.7	10
14	Kinetics and Isotype Assessment of Antibodies Targeting the Spike Protein Receptor Binding Domain of SARS-CoV-2 In COVID-19 Patients as a function of Age and Biological Sex 2020 ,		8
13	Jobs, Housing, and Mask Wearing: Cross-Sectional Study of Risk Factors for COVID-19. <i>JMIR Public Health and Surveillance</i> , 2021 , 7, e24320	11.4	7
12	Immunotranscriptomic profiling the acute and clearance phases of a human challenge dengue virus serotype 2 infection model. <i>Nature Communications</i> , 2021 , 12, 3054	17.4	5
11	Immune responses to oral poliovirus vaccine in HIV-exposed uninfected Zimbabwean infants. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 2543-2547	4.4	3
10	Risk Factors for COVID-19: Community Exposure and Mask-Wearing. <i>SSRN Electronic Journal</i> ,	1	3
9	Nuclear factor of activated T (NFAT) cells activity within CD4+ T cells is influenced by activation status and tissue localisation. <i>Microbes and Infection</i> , 2006 , 8, 232-7	9.3	2
8	Stimulation of B Cell Immunity in Flavivirus-Naive Individuals by the Tetravalent Live Attenuated Dengue Vaccine TV003. <i>Cell Reports Medicine</i> , 2020 , 1, 100155	18	2
7	The Cellular Immunity Agent Based Model (CIABM): Replicating the cellular immune response to viral respiratory infection		1
6	T cell responses induced by attenuated flavivirus vaccination are specific and show limited cross-reactivity with other flavivirus species		1

5	A Novel Antigenic Site Spanning Domains I and III of the Zika Virus Envelope Glycoprotein Is the Target of Strongly Neutralizing Human Monoclonal Antibodies. <i>Journal of Virology</i> , 2021 , 95,	6.6	1
4	Neonatal vitamin A supplementation and immune responses to oral polio vaccine in Zimbabwean infants. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2019 , 113, 110-115	2	0
3	Oral rotavirus vaccine shedding as a marker of mucosal immunity. <i>Scientific Reports</i> , 2021 , 11, 21760	4.9	0
2	1478Dermatologic Manifestations in Live Attenuated Dengue Vaccines: A Skin Biopsy Study. <i>Open Forum Infectious Diseases</i> , 2014 , 1, S390-S391	1	
1	SARS CoV-2 seroprevalence in a US school district during COVID-19. <i>BMJ Paediatrics Open</i> , 2021 , 5, e001259		