Sean A Diehl

List of Publications by Year
in descending order

57 papers	4,690 citations	136940 32 h-index	168376 53 g-index
67 all docs	67 docs citations	67 times ranked	8388 citing authors

#	Article	IF	Citations
1	The two faces of IL-6 on Th1/Th2 differentiation. Molecular Immunology, 2002, 39, 531-536.	2.2	735
2	Inhibition of Th1 Differentiation by IL-6 Is Mediated by SOCS1. Immunity, 2000, 13, 805-815.	14.3	352
3	Generation of stable monoclonal antibodyâ€“producing B cell receptorâ€“positive human memory B cells by genetic programming. Nature Medicine, 2010, 16, 123-128.	30.7	260
4	The live attenuated dengue vaccine TV003 elicits complete protection against dengue in a human challenge model. Science Translational Medicine, 2016, 8, 330ra36.	12.4	227
5	STAT3-Mediated Up-Regulation of BLIMP1 Is Coordinated with BCL6 Down-Regulation to Control Human Plasma Cell Differentiation. Journal of Immunology, 2008, 180, 4805-4815.	0.8	210
6	Induction of NFATc2 Expression by Interleukin 6 Promotes T Helper Type 2 Differentiation. Journal of Experimental Medicine, 2002, 196, 39-49.	8.5	179
7	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. Journal of Infectious Diseases, 2015, 212, 702-710.	4.0	158
8	The Human CD8 ⁺ T Cell Responses Induced by a Live Attenuated Tetravalent Dengue Vaccine Are Directed against Highly Conserved Epitopes. Journal of Virology, 2015, 89, 120-128.	3.4	148
9	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. Journal of Virology, 2017, 91, .	3.4	148
10	STAT5 regulates the self-renewal capacity and differentiation of human memory B cells and controls Bcl-6 expression. Nature Immunology, 2005, 6, 303-313.	14.5	145
11	Human megakaryocytes possess intrinsic antiviral immunity through regulated induction of IFITM3. Blood, 2019, 133, 2013-2026.	1.4	127
12	Direct RT-qPCR detection of SARS-CoV-2 RNA from patient nasopharyngeal swabs without an RNA extraction step. PLoS Biology, 2020, 18, e3000896.	5.6	119
13	IL-21 is expressed in Hodgkin lymphoma and activates STAT5: evidence that activated STAT5 is required for Hodgkin lymphomagenesis. Blood, 2008, 111, 4706-4715.	1.4	117
14	ILâ€6 Triggers ILâ€21 production by human CD4⁺ T cells to drive STAT3â€dependent plasma cell differentiation in B cells. Immunology and Cell Biology, 2012, 90, 802-811.	2.3	110
15	The â€œPerformance of Rotavirus and Oral Polio Vaccines in Developing Countriesâ€• (PROVIDE) Study: Description of Methods of an Interventional Study Designed to Explore Complex Biologic Problems. American Journal of Tropical Medicine and Hygiene, 2015, 92, 744-751.	1.4	97
16	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. PLoS Neglected Tropical Diseases, 2017, 11, e0005584.	3.0	94
17	Viridot: An automated virus plaque (immunofocus) counter for the measurement of serological neutralizing responses with application to dengue virus. PLoS Neglected Tropical Diseases, 2018, 12, e0006862.	3.0	93
18	New insights into the regulation of human B-cell differentiation. Trends in Immunology, 2009, 30, 277-285.	6.8	84

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19	Human CD4 ⁺ T Cell Responses to an Attenuated Tetravalent Dengue Vaccine Parallel Those Induced by Natural Infection in Magnitude, HLA Restriction, and Antigen Specificity. Journal of Virology, 2017, 91, .	3.4	83
20	Global Assessment of Dengue Virus-Specific CD4+ T Cell Responses in Dengue-Endemic Areas. Frontiers in Immunology, 2017, 8, 1309.	4.8	77
21	Mitochondrial Ca2+ and membrane potential, an alternative pathway for Interleukin 6 to regulate CD4 cell effector function. ELife, 2015, 4, .	6.0	70
22	Histoâ€“Blood Group Antigen Phenotype Determines Susceptibility to Genotype-Specific Rotavirus Infections and Impacts Measures of Rotavirus Vaccine Efficacy. Journal of Infectious Diseases, 2018, 217, 1399-1407.	4.0	70
23	Spi-B inhibits human plasma cell differentiation by repressing BLIMP1 and XBP-1 expression. Blood, 2008, 112, 1804-1812.	1.4	66
24	Generation of Human Antigen-Specific Monoclonal IgM Antibodies Using Vaccinated â€œHuman Immune Systemâ€•Mice. PLoS ONE, 2010, 5, e13137.	2.5	62
25	Accumulation of NFAT mediates IL-2 expression in memory, but not naive, CD4+ T cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7175-7180.	7.1	57
26	Interleukin-6 Receptor Blockade Selectively Reduces IL-21 Production by CD4 T Cells and IgG4 Autoantibodies in Rheumatoid Arthritis. International Journal of Biological Sciences, 2013, 9, 279-288.	6.4	57
27	Delayed Dosing of Oral Rotavirus Vaccine Demonstrates Decreased Risk of Rotavirus Gastroenteritis Associated With Serum Zinc: A Randomized Controlled Trial. Clinical Infectious Diseases, 2016, 63, 634-641.	5.8	54
28	Endothelial histamine H ₁ receptor signaling reduces bloodâ€“brain barrier permeability and susceptibility to autoimmune encephalomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18967-18972.	7.1	53
29	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. Journal of Virology, 2020, 94, .	3.4	49
30	Human antibody response to Zika targets type-specific quaternary structure epitopes. JCI Insight, 2019, 4, .	5.0	45
31	UV decontamination of personal protective equipment with idle laboratory biosafety cabinets during the COVID-19 pandemic. PLoS ONE, 2021, 16, e0241734.	2.5	43
32	A tetravalent live attenuated dengue virus vaccine stimulates balanced immunity to multiple serotypes in humans. Nature Communications, 2021, 12, 1102.	12.8	40
33	Kinetics and isotype assessment of antibodies targeting the spike protein receptorâ€binding domain of severe acute respiratory syndromeâ€coronavirusâ€2 in COVIDâ€19 patients as a function of age, biological sex and disease severity. Clinical and Translational Immunology, 2020, 9, e1189.	3.8	38
34	Rapid Induction and Maintenance of Virus-Specific CD8+ TEMRA and CD4+ TEM Cells Following Protective Vaccination Against Dengue Virus Challenge in Humans. Frontiers in Immunology, 2020, 11, 479.	4.8	37
35	Genetics of experimental allergic encephalomyelitis supports the role of T helper cells in multiple sclerosis pathogenesis. Annals of Neurology, 2011, 70, 887-896.	5.3	33
36	IP3 Receptor-Mediated Ca2+ Release in Naive CD4 T Cells Dictates Their Cytokine Program. Journal of Immunology, 2008, 181, 8315-8322.	0.8	32

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37	Longitudinal analysis of acute and convalescent B cell responses in a human primary dengue serotype 2 infection model. EBioMedicine, 2019, 41, 465-478.	6.1	31
38	Rotavirus-Specific Immunoglobulin A Responses Are Impaired and Serve as a Suboptimal Correlate of Protection Among Infants in Bangladesh. Clinical Infectious Diseases, 2018, 67, 186-192.	5.8	30
39	Inhibition of NFAT Specifically in T Cells Prevents Allergic Pulmonary Inflammation. Journal of Immunology, 2004, 172, 3597-3603.	0.8	28
40	Genetic Analysis of the Influence of Neuroantigen-Complete Freund's Adjuvant Emulsion Structures on the Sexual Dimorphism and Susceptibility to Experimental Allergic Encephalomyelitis. American Journal of Pathology, 2003, 163, 1623-1632.	3.8	26
41	Patterns of Cellular Immunity Associated with Experimental Infection with rDEN2Î”30 (Tonga/74) Support Its Suitability as a Human Dengue Virus Challenge Strain. Journal of Virology, 2017, 91, .	3.4	24
42	Jobs, Housing, and Mask Wearing: Cross-Sectional Study of Risk Factors for COVID-19. JMIR Public Health and Surveillance, 2021, 7, e24320.	2.6	20
43	SNPs upstream of the minimal promoter control IL-2 expression and are candidates for the autoimmune disease-susceptibility locus Aod2/Idd3/Eae3. Genes and Immunity, 2008, 9, 115-121.	4.1	18
44	G Proteins GÎ±_{i1/3}Are Critical Targets for Bordetella pertussis Toxin-Induced Vasoactive Amine Sensitization. Infection and Immunity, 2014, 82, 773-782.	2.2	14
45	Immunotranscriptomic profiling the acute and clearance phases of a human challenge dengue virus serotype 2 infection model. Nature Communications, 2021, 12, 3054.	12.8	14
46	Stimulation of B Cell Immunity in Flavivirus-Naive Individuals by the Tetravalent Live Attenuated Dengue Vaccine TV003. Cell Reports Medicine, 2020, 1, 100155.	6.5	6
47	Oral rotavirus vaccine shedding as a marker of mucosal immunity. Scientific Reports, 2021, 11, 21760.	3.3	5
48	Immune responses to oral poliovirus vaccine in HIV-exposed uninfected Zimbabwean infants. Human Vaccines and Immunotherapeutics, 2017, 13, 2543-2547.	3.3	4
49	Neonatal vitamin A supplementation and immune responses to oral polio vaccine in Zimbabwean infants. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2019, 113, 110-115.	1.8	4
50	Nuclear factor of activated T (NFAT) cells activity within CD4+ T cells is influenced by activation status and tissue localisation. Microbes and Infection, 2006, 8, 232-237.	1.9	3
51	Risk Factors for COVID-19: Community Exposure and Mask-Wearing. SSRN Electronic Journal, 0, , .	0.4	3
52	A Novel Antigenic Site Spanning Domains I and III of the Zika Virus Envelope Glycoprotein Is the Target of Strongly Neutralizing Human Monoclonal Antibodies. Journal of Virology, 2021, 95, .	3.4	2
53	Plasma VP8âˆ—-Binding Antibodies in Rotavirus Infection and Oral Vaccination in Young Bangladeshi Children. Journal of the Pediatric Infectious Diseases Society, 2021, , .	1.3	1
54	1478Dermatologic Manifestations in Live Attenuated Dengue Vaccines: A Skin Biopsy Study. Open Forum Infectious Diseases, 2014, 1, S390-S391.	0.9	0

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55	Stimulation of B Cell Immunity in Flavivirus-NaÃ¯ve Individuals by the Tetravalent Live Attenuated Dengue Vaccine TV003. SSRN Electronic Journal, 0, , .	0.4	0
56	Editorial: Balanced and Unbalanced Immune Response to Dengue Virus in Disease Protection and Pathogenesis. Frontiers in Immunology, 2022, 13, 835731.	4.8	0
57	SARS CoV-2 seroprevalence in a US school district during COVID-19. BMJ Paediatrics Open, 2021, 5, e001259.	1.4	0