

# Daniel U Christ

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

4,607  
citations

126907

33  
h-index

114465

63  
g-index

89  
all docs

89  
docs citations

89  
times ranked

7836  
citing authors

#	ARTICLE	IF	CITATIONS
1	I-motif DNA structures are formed in the nuclei of human cells. <i>Nature Chemistry</i> , 2018, 10, 631-637.	13.6	407
2	Differentiation of germinal center B cells into plasma cells is initiated by high-affinity antigen and completed by Tfh cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 1259-1267.	8.5	232
3	Selection of human antibody fragments by phage display. <i>Nature Protocols</i> , 2007, 2, 3001-3008.	12.0	215
4	Redemption of autoantibodies on anergic B cells by variable-region glycosylation and mutation away from self-reactivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2567-75.	7.1	208
5	Challenges and opportunities for non-antibody scaffold drugs. <i>Drug Discovery Today</i> , 2015, 20, 1271-1283.	6.4	190
6	The chemotactic receptor EB12 regulates the homeostasis, localization and immunological function of splenic dendritic cells. <i>Nature Immunology</i> , 2013, 14, 446-453.	14.5	188
7	General strategy for the generation of human antibody variable domains with increased aggregation resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10879-10884.	7.1	173
8	CAF hierarchy driven by pancreatic cancer cell p53-status creates a pro-metastatic and chemoresistant environment via perlecan. <i>Nature Communications</i> , 2019, 10, 3637.	12.8	170
9	Aggregation, stability, and formulation of human antibody therapeutics. <i>Advances in Protein Chemistry and Structural Biology</i> , 2011, 84, 41-61.	2.3	149
10	Hedgehog Overexpression Is Associated with Stromal Interactions and Predicts for Poor Outcome in Breast Cancer. <i>Cancer Research</i> , 2011, 71, 4002-4014.	0.9	149
11	Clonal redemption of autoantibodies by somatic hypermutation away from self-reactivity during human immunization. <i>Journal of Experimental Medicine</i> , 2016, 213, 1255-1265.	8.5	132
12	Germinal center antibody mutation trajectories are determined by rapid self/foreign discrimination. <i>Science</i> , 2018, 360, 223-226.	12.6	122
13	Thermodynamically Stable Aggregation-Resistant Antibody Domains through Directed Evolution. <i>Journal of Molecular Biology</i> , 2008, 376, 926-931.	4.2	115
14	SARS-CoV-2 neutralizing antibodies: Longevity, breadth, and evasion by emerging viral variants. <i>PLoS Medicine</i> , 2021, 18, e1003656.	8.4	109
15	Stability engineering of the human antibody repertoire. <i>FEBS Letters</i> , 2014, 588, 269-277.	2.8	108
16	A Subset of Interleukin-21+ Chemokine Receptor CCR9+ T Helper Cells Target Accessory Organs of the Digestive System in Autoimmunity. <i>Immunity</i> , 2011, 34, 602-615.	14.3	104
17	Lymphoma Driver Mutations in the Pathogenic Evolution of an Iconic Human Autoantibody. <i>Cell</i> , 2020, 180, 878-894.e19.	28.9	82
18	Repertoires of aggregation-resistant human antibody domains. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 413-416.	2.1	79

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19	FAS Inactivation Releases Unconventional Germinal Center B Cells that Escape Antigen Control and Drive IgE and Autoantibody Production. <i>Immunity</i> , 2015, 42, 890-902.	14.3	77
20	Transient expression of human antibodies in mammalian cells. <i>Nature Protocols</i> , 2018, 13, 99-117.	12.0	74
21	DNA G-Quadruplex and i-Motif Structure Formation Is Interdependent in Human Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 20600-20604.	13.7	74
22	Interleukin-21 Is Critically Required in Autoimmune and Allogeneic Responses to Islet Tissue in Murine Models. <i>Diabetes</i> , 2011, 60, 867-875.	0.6	72
23	Next-Generation Sequencing of Antibody Display Repertoires. <i>Frontiers in Immunology</i> , 2018, 9, 118.	4.8	70
24	IL-21 Restricts Virus-driven Treg Cell Expansion in Chronic LCMV Infection. <i>PLoS Pathogens</i> , 2013, 9, e1003362.	4.7	67
25	Long-term persistence of RBD+ memory B cells encoding neutralizing antibodies in SARS-CoV-2 infection. <i>Cell Reports Medicine</i> , 2021, 2, 100228.	6.5	66
26	Fully Human VH Single Domains That Rival the Stability and Cleft Recognition of Camelid Antibodies. <i>Journal of Biological Chemistry</i> , 2015, 290, 11905-11917.	3.4	59
27	Potent antitumour activity of interleukin-2-Fc fusion proteins requires Fc-mediated depletion of regulatory T-cells. <i>Nature Communications</i> , 2017, 8, 15373.	12.8	58
28	Sequence determinants of protein aggregation in human VH domains. <i>Protein Engineering, Design and Selection</i> , 2008, 22, 217-220.	2.1	57
29	Expression of high-affinity human antibody fragments in bacteria. <i>Nature Protocols</i> , 2012, 7, 364-373.	12.0	57
30	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. <i>Nature Immunology</i> , 2019, 20, 1299-1310.	14.5	53
31	Clonal redemption and clonal anergy as mechanisms to balance B cell tolerance and immunity. <i>Immunological Reviews</i> , 2019, 292, 61-75.	6.0	52
32	GDF15 mediates adiposity resistance through actions on GFRAL neurons in the hindbrain AP/NTS. <i>International Journal of Obesity</i> , 2019, 43, 2370-2380.	3.4	46
33	Molecular Engineering of Therapeutic Cytokines. <i>Antibodies</i> , 2013, 2, 426-451.	2.5	42
34	Cancer-associated noncoding mutations affect RNA G-quadruplex-mediated regulation of gene expression. <i>Scientific Reports</i> , 2017, 7, 708.	3.3	37
35	Immunizations with diverse sarbecovirus receptor-binding domains elicit SARS-CoV-2 neutralizing antibodies against a conserved site of vulnerability. <i>Immunity</i> , 2021, 54, 2908-2921.e6.	14.3	35
36	Cofactor-dependent conformational heterogeneity of GAD65 and its role in autoimmunity and neurotransmitter homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2524-E2529.	7.1	34

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37	Platform for isolation and characterization of SARS-CoV-2 variants enables rapid characterization of Omicron in Australia. <i>Nature Microbiology</i> , 2022, 7, 896-908.	13.3	32
38	Maintenance of broad neutralizing antibodies and memory B cells 1 year post-infection is predicted by SARS-CoV-2-specific CD4+ T cell responses. <i>Cell Reports</i> , 2022, 38, 110345.	6.4	30
39	Tapping diversity lost in transformations in vitro amplification of ligation reactions. <i>Nucleic Acids Research</i> , 2006, 34, e108-e108.	14.5	28
40	Systematic functional identification of cancer multi-drug resistance genes. <i>Genome Biology</i> , 2020, 21, 27.	8.8	26
41	Engineering <i>Escherichia coli</i> heat-resistance by synthetic gene amplification. <i>Protein Engineering, Design and Selection</i> , 2008, 21, 121-125.	2.1	25
42	Cytosolic Recognition of RNA Drives the Immune Response to Heterologous Erythrocytes. <i>Cell Reports</i> , 2017, 21, 1624-1638.	6.4	25
43	Genomic Spectrum and Phenotypic Heterogeneity of Human IL-21 Receptor Deficiency. <i>Journal of Clinical Immunology</i> , 2021, 41, 1272-1290.	3.8	25
44	Identification of Protein Domains by Shotgun Proteolysis. <i>Journal of Molecular Biology</i> , 2006, 358, 364-371.	4.2	22
45	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. <i>MAbs</i> , 2021, 13, 1922-1934.	5.2	22
46	Structural basis for epitope masking and strain specificity of a conserved epitope in an intrinsically disordered malaria vaccine candidate. <i>Scientific Reports</i> , 2015, 5, 10103.	3.3	21
47	IL-2 Shapes the Survival and Plasticity of IL-17-Producing T Cells. <i>Journal of Immunology</i> , 2017, 199, 2366-2376.	0.8	21
48	Bispecific antibodies with native chain structure. <i>Nature Biotechnology</i> , 2014, 32, 136-137.	17.5	18
49	Circumventing the stability-function trade-off in an engineered FN3 domain. <i>Protein Engineering, Design and Selection</i> , 2016, 29, 541-550.	2.1	17
50	Mapping the extent of heterogeneity of human CCR5+ CD4+ T cells in peripheral blood and lymph nodes. <i>Aids</i> , 2020, 34, 833-848.	2.2	17
51	Efficient Intracellular Delivery of CRISPR-Cas Ribonucleoproteins through Receptor Mediated Endocytosis. <i>ACS Chemical Biology</i> , 2019, 14, 554-561.	3.4	16
52	Conformational diversity facilitates antibody mutation trajectories and discrimination between foreign and self-antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22341-22350.	7.1	15
53	Surface-associated antigen induces permeabilization of primary mouse B-cells and lysosome exocytosis facilitating antigen uptake and presentation to T-cells. <i>ELife</i> , 2021, 10, .	6.0	15
54	Selection of Human VH Single Domains with Improved Biophysical Properties by Phage Display. , 2012, 911, 383-397.		14

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55	Rapid prediction of expression and refolding yields using phage display. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 671-674.	2.1	14
56	Generation of Human Single Domain Antibody Repertoires by Kunkel Mutagenesis. <i>Methods in Molecular Biology</i> , 2012, 907, 195-209.	0.9	13
57	Structural reconstruction of protein ancestry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3897-3902.	7.1	12
58	Identification of functional similarities between proteins using directed evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13202-13206.	7.1	11
59	Expression, purification and characterization of recombinant interleukin-21. <i>Journal of Immunological Methods</i> , 2010, 362, 185-189.	1.4	10
60	NSG-Pro mouse model for uncovering resistance mechanisms and unique vulnerabilities in human luminal breast cancers. <i>Science Advances</i> , 2021, 7, eabc8145.	10.3	10
61	Augmented neutralization of SARS-CoV-2 Omicron variant by boost vaccination and monoclonal antibodies. <i>European Journal of Immunology</i> , 2022, 52, 970-977.	2.9	10
62	Subcellular relocalization and nuclear redistribution of the RNA methyltransferases TRMT1 and TRMT1L upon neuronal activation. <i>RNA Biology</i> , 2021, 18, 1905-1919.	3.1	9
63	Protein A superantigen: structure, engineering and molecular basis of antibody recognition. <i>Protein Engineering, Design and Selection</i> , 2019, 32, 359-366.	2.1	7
64	Structure and Characterisation of a Key Epitope in the Conserved C-Terminal Domain of the Malaria Vaccine Candidate MSP2. <i>Journal of Molecular Biology</i> , 2017, 429, 836-846.	4.2	6
65	Human Antibody Bispecifics through Phage Display Selection. <i>Biochemistry</i> , 2019, 58, 1701-1704.	2.5	6
66	Crystal structures of human neuropeptide Y (NPY) and peptide YY (PYY). <i>Neuropeptides</i> , 2022, 92, 102231.	2.2	6
67	Purification of Molecular Machines and Nanomotors Using Phage-Derived Monoclonal Antibody Fragments. <i>Methods in Molecular Biology</i> , 2013, 996, 203-217.	0.9	5
68	Structural basis of antigen recognition: crystal structure of duck egg lysozyme. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017, 73, 910-920.	2.3	5
69	Platelet-Derived Growth Factor Receptor Type 1 Activation Drives Pulmonary Vascular Remodeling Via Progenitor Cell Proliferation and Induces Pulmonary Hypertension. <i>Journal of the American Heart Association</i> , 2022, 11, e023021.	3.7	5
70	Genetic and structural basis of the human anti- $\beta$ -galactosyl antibody response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	5
71	Solution structure of a soluble fragment derived from a membrane protein by shotgun proteolysis. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 445-450.	2.1	4
72	Expression of IgG Monoclonals with Engineered Immune Effector Functions. <i>Methods in Molecular Biology</i> , 2018, 1827, 313-334.	0.9	4

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73	Identification of aggregation inhibitors of the human antibody light chain repertoire by phage display. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 405-409.	2.1	2
74	Sequencing and Affinity Determination of Antigen-Specific B Lymphocytes from Peripheral Blood. <i>Methods in Molecular Biology</i> , 2018, 1827, 287-309.	0.9	2
75	Crystal structure of duck egg lysozyme isoform II (DEL-II). <i>BMC Structural Biology</i> , 2018, 18, 10.	2.3	2
76	A recombinant antibody fragment directed to the thymic stromal lymphopoietin receptor (CRLF2) efficiently targets pediatric Philadelphia chromosome-like acute lymphoblastic leukemia. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 214-223.	7.5	2
77	Selection of Antibody Fragments Against Structured DNA by Phage Display. <i>Methods in Molecular Biology</i> , 2018, 1827, 197-209.	0.9	1
78	Expression of Human VH Single Domains as Fc Fusions in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2019, 1953, 121-136.	0.9	0
79	A Novel Engineered Single-Chain Antibody Fragment for Targeting Pediatric Philadelphia Chromosome-like Acute Lymphoblastic Leukemia. <i>Blood</i> , 2020, 136, 36-36.	1.4	0