Daniel U Christ

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5895505/publications.pdf

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	Maintenance of broad neutralizing antibodies and memory B cells 1 year post-infection is predicted by SARS-CoV-2-specific CD4+ TÂcell responses. Cell Reports, 2022, 38, 110345.	6.4	30
2	Crystal structures of human neuropeptide Y (NPY) and peptide YY (PYY). Neuropeptides, 2022, 92, 102231.	2.2	6
3	Augmented neutralization of SARSâ€CoVâ€2 Omicron variant by boost vaccination and monoclonal antibodies. European Journal of Immunology, 2022, 52, 970-977.	2.9	10
4	Plateletâ€Derived Growth Factor Receptor Type Î± Activation Drives Pulmonary Vascular Remodeling Via Progenitor Cell Proliferation and Induces Pulmonary Hypertension. Journal of the American Heart Association, 2022, 11, e023021.	3.7	5
5	Platform for isolation and characterization of SARS-CoV-2 variants enables rapid characterization of Omicron in Australia. Nature Microbiology, 2022, 7, 896-908.	13.3	32
6	Genetic and structural basis of the human anti-Î±-galactosyl antibody response. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	5
7	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. MAbs, 2021, 13, 1922134.	5.2	22
8	Subcellular relocalization and nuclear redistribution of the RNA methyltransferases TRMT1 and TRMT1L upon neuronal activation. RNA Biology, 2021, 18, 1905-1919.	3.1	9
9	Genomic Spectrum and Phenotypic Heterogeneity of Human IL-21 Receptor Deficiency. Journal of Clinical Immunology, 2021, 41, 1272-1290.	3.8	25
10	Long-term persistence of RBD+ memory B cells encoding neutralizing antibodies in SARS-CoV-2 infection. Cell Reports Medicine, 2021, 2, 100228.	6.5	66
11	SARS-CoV-2 neutralizing antibodies: Longevity, breadth, and evasion by emerging viral variants. PLoS Medicine, 2021, 18, e1003656.	8.4	109
12	NSG-Pro mouse model for uncovering resistance mechanisms and unique vulnerabilities in human luminal breast cancers. Science Advances, 2021, 7, eabc8145.	10.3	10
13	A recombinant antibody fragment directed to the thymic stromal lymphopoietin receptor (CRLF2) efficiently targets pediatric Philadelphia chromosome-like acute lymphoblastic leukemia. International Journal of Biological Macromolecules, 2021, 190, 214-223.	7.5	2
14	Surface-associated antigen induces permeabilization of primary mouse B-cells and lysosome exocytosis facilitating antigen uptake and presentation to T-cells. ELife, 2021, 10, .	6.0	15
15	Immunizations with diverse sarbecovirus receptor-binding domains elicit SARS-CoV-2 neutralizing antibodies against a conserved site of vulnerability. Immunity, 2021, 54, 2908-2921.e6.	14.3	35
16	DNA G-Quadruplex and i-Motif Structure Formation Is Interdependent in Human Cells. Journal of the American Chemical Society, 2020, 142, 20600-20604.	13.7	74
17	Conformational diversity facilitates antibody mutation trajectories and discrimination between foreign and self-antigens. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22341-22350.	7.1	15
18	Systematic functional identification of cancer multi-drug resistance genes. Genome Biology, 2020, 21, 27.	8.8	26

#	Article	IF	Citations
19	Lymphoma Driver Mutations in the Pathogenic Evolution of an Iconic Human Autoantibody. Cell, 2020, 180, 878-894.e19.	28.9	82
20	Mapping the extent of heterogeneity of human CCR5+ CD4+ T cells in peripheral blood and lymph nodes. Aids, 2020, 34, 833-848.	2.2	17
21	A Novel Engineered Single-Chain Antibody Fragment for Targeting Pediatric Philadelphia Chromosome-like Acute Lymphoblastic Leukemia. Blood, 2020, 136, 36-36.	1.4	0
22	CAF hierarchy driven by pancreatic cancer cell p53-status creates a pro-metastatic and chemoresistant environment via perlecan. Nature Communications, 2019, 10, 3637.	12.8	170
23	Protein A superantigen: structure, engineering and molecular basis of antibody recognition. Protein Engineering, Design and Selection, 2019, 32, 359-366.	2.1	7
24	Clonal redemption and clonal anergy as mechanisms to balance B cell tolerance and immunity. Immunological Reviews, 2019, 292, 61-75.	6.0	52
25	GDF15 mediates adiposity resistance through actions on GFRAL neurons in the hindbrain AP/NTS. International Journal of Obesity, 2019, 43, 2370-2380.	3.4	46
26	Human Antibody Bispecifics through Phage Display Selection. Biochemistry, 2019, 58, 1701-1704.	2.5	6
27	Expression of Human VH Single Domains as Fc Fusions in Mammalian Cells. Methods in Molecular Biology, 2019, 1953, 121-136.	0.9	0
28	Efficient Intracellular Delivery of CRISPR-Cas Ribonucleoproteins through Receptor Mediated Endocytosis. ACS Chemical Biology, 2019, 14, 554-561.	3.4	16
29	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	14.5	53
30	I-motif DNA structures are formed in the nuclei of human cells. Nature Chemistry, 2018, 10, 631-637.	13.6	407
31	Germinal center antibody mutation trajectories are determined by rapid self/foreign discrimination. Science, 2018, 360, 223-226.	12.6	122
32	Transient expression of human antibodies in mammalian cells. Nature Protocols, 2018, 13, 99-117.	12.0	74
33	Selection of Antibody Fragments Against Structured DNA by Phage Display. Methods in Molecular Biology, 2018, 1827, 197-209.	0.9	1
34	Sequencing and Affinity Determination of Antigen-Specific B Lymphocytes from Peripheral Blood. Methods in Molecular Biology, 2018, 1827, 287-309.	0.9	2
35	Expression of IgG Monoclonals with Engineered Immune Effector Functions. Methods in Molecular Biology, 2018, 1827, 313-334.	0.9	4
36	Next-Generation Sequencing of Antibody Display Repertoires. Frontiers in Immunology, 2018, 9, 118.	4.8	70

#	Article	IF	Citations
37	Crystal structure of duck egg lysozyme isoform II (DEL-II). BMC Structural Biology, 2018, 18, 10.	2.3	2
38	Structure and Characterisation of a Key Epitope in the Conserved C-Terminal Domain of the Malaria Vaccine Candidate MSP2. Journal of Molecular Biology, 2017, 429, 836-846.	4.2	6
39	Potent antitumour activity of interleukin-2-Fc fusion proteins requires Fc-mediated depletion of regulatory T-cells. Nature Communications, 2017, 8, 15373.	12.8	58
40	Cancer-associated noncoding mutations affect RNA G-quadruplex-mediated regulation of gene expression. Scientific Reports, 2017, 7, 708.	3.3	37
41	Structural reconstruction of protein ancestry. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3897-3902.	7.1	12
42	Differentiation of germinal center B cells into plasma cells is initiated by high-affinity antigen and completed by Tfh cells. Journal of Experimental Medicine, 2017, 214, 1259-1267.	8.5	232
43	IL-2 Shapes the Survival and Plasticity of IL-17â€“Producing Î³Î´ T Cells. Journal of Immunology, 2017, 199, 2366-2376.	0.8	21
44	Cytosolic Recognition of RNA Drives the Immune Response to Heterologous Erythrocytes. Cell Reports, 2017, 21, 1624-1638.	6.4	25
45	Structural basis of antigen recognition: crystal structure of duck egg lysozyme. Acta Crystallographica Section D: Structural Biology, 2017, 73, 910-920.	2.3	5
46	Circumventing the stability-function trade-off in an engineered FN3 domain. Protein Engineering, Design and Selection, 2016, 29, 541-550.	2.1	17
47	Clonal redemption of autoantibodies by somatic hypermutation away from self-reactivity during human immunization. Journal of Experimental Medicine, 2016, 213, 1255-1265.	8.5	132
48	Structural basis for epitope masking and strain specificity of a conserved epitope in an intrinsically disordered malaria vaccine candidate. Scientific Reports, 2015, 5, 10103.	3.3	21
49	Fully Human VH Single Domains That Rival the Stability and Cleft Recognition of Camelid Antibodies. Journal of Biological Chemistry, 2015, 290, 11905-11917.	3.4	59
50	Solution structure of a soluble fragment derived from a membrane protein by shotgun proteolysis. Protein Engineering, Design and Selection, 2015, 28, 445-450.	2.1	4
51	FAS Inactivation Releases Unconventional Germinal Center B Cells that Escape Antigen Control and Drive IgE and Autoantibody Production. Immunity, 2015, 42, 890-902.	14.3	77
52	Challenges and opportunities for non-antibody scaffold drugs. Drug Discovery Today, 2015, 20, 1271-1283.	6.4	190
53	Identification of aggregation inhibitors of the human antibody light chain repertoire by phage display. Protein Engineering, Design and Selection, 2014, 27, 405-409.	2.1	2
54	Cofactor-dependent conformational heterogeneity of GAD65 and its role in autoimmunity and neurotransmitter homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2524-E2529.	7.1	34

#	Article	IF	Citations
55	Redemption of autoantibodies on anergic B cells by variable-region glycosylation and mutation away from self-reactivity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2567-75.	7.1	208
56	Bispecific antibodies with native chain structure. Nature Biotechnology, 2014, 32, 136-137.	17.5	18
57	Stability engineering of the human antibody repertoire. FEBS Letters, 2014, 588, 269-277.	2.8	108
58	The chemotactic receptor EBI2 regulates the homeostasis, localization and immunological function of splenic dendritic cells. Nature Immunology, 2013, 14, 446-453.	14.5	188
59	Purification of Molecular Machines and Nanomotors Using Phage-Derived Monoclonal Antibody Fragments. Methods in Molecular Biology, 2013, 996, 203-217.	0.9	5
60	Rapid prediction of expression and refolding yields using phage display. Protein Engineering, Design and Selection, 2013, 26, 671-674.	2.1	14
61	IL-21 Restricts Virus-driven Treg Cell Expansion in Chronic LCMV Infection. PLoS Pathogens, 2013, 9, e1003362.	4.7	67
62	Molecular Engineering of Therapeutic Cytokines. Antibodies, 2013, 2, 426-451.	2.5	42
63	Expression of high-affinity human antibody fragments in bacteria. Nature Protocols, 2012, 7, 364-373.	12.0	57
64	Selection of Human VH Single Domains with Improved Biophysical Properties by Phage Display. , 2012, 911, 383-397.		14
65	Generation of Human Single Domain Antibody Repertoires by Kunkel Mutagenesis. Methods in Molecular Biology, 2012, 907, 195-209.	0.9	13
66	General strategy for the generation of human antibody variable domains with increased aggregation resistance. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10879-10884.	7.1	173
67	Aggregation, stability, and formulation of human antibody therapeutics. Advances in Protein Chemistry and Structural Biology, 2011, 84, 41-61.	2.3	149
68	A Subset of Interleukin-21+ Chemokine Receptor CCR9+ T Helper Cells Target Accessory Organs of the Digestive System in Autoimmunity. Immunity, 2011, 34, 602-615.	14.3	104
69	Hedgehog Overexpression Is Associated with Stromal Interactions and Predicts for Poor Outcome in Breast Cancer. Cancer Research, 2011, 71, 4002-4014.	0.9	149
70	Interleukin-21 Is Critically Required in Autoimmune and Allogeneic Responses to Islet Tissue in Murine Models. Diabetes, 2011, 60, 867-875.	0.6	72
71	Expression, purification and characterization of recombinant interleukin-21. Journal of Immunological Methods, 2010, 362, 185-189.	1.4	10
72	Thermodynamically Stable Aggregation-Resistant Antibody Domains through Directed Evolution. Journal of Molecular Biology, 2008, 376, 926-931.	4.2	115

#	Article	IF	Citations
73	Sequence determinants of protein aggregation in human VH domains. Protein Engineering, Design and Selection, 2008, 22, 217-220.	2.1	57
74	Engineering Escherichia coli heat-resistance by synthetic gene amplification. Protein Engineering, Design and Selection, 2008, 21, 121-125.	2.1	25
75	Repertoires of aggregation-resistant human antibody domains. Protein Engineering, Design and Selection, 2007, 20, 413-416.	2.1	79
76	Selection of human antibody fragments by phage display. Nature Protocols, 2007, 2, 3001-3008.	12.0	215
77	Identification of Protein Domains by Shotgun Proteolysis. Journal of Molecular Biology, 2006, 358, 364-371.	4.2	22
78	Tapping diversity lost in transformationsâ€"in vitro amplification of ligation reactions. Nucleic Acids Research, 2006, 34, e108-e108.	14.5	28
79	Identification of functional similarities between proteins using directed evolution. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13202-13206.	7.1	11