

# Peter D Sun

## List of Publications by Year in descending order

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64  
papers

4,625  
citations

117625

34  
h-index

114465

63  
g-index

71  
all docs

71  
docs citations

71  
times ranked

6559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing a secretory AcGFP1-based IRES expression system for efficient production of mammalian recombinant proteins. <i>Protein Expression and Purification</i> , 2022, 192, 106029.	1.3	1
2	T Cell Recognition of Tumor Neoantigens and Insights Into T Cell Immunotherapy. <i>Frontiers in Immunology</i> , 2022, 13, 833017.	4.8	13
3	T cells discriminate between groups C1 and C2 HLA-C. <i>ELife</i> , 2022, 11, .	6.0	5
4	<i>Plasmodium falciparum</i> specific IgM B cells dominate in children, expand with malaria, and produce functional IgM. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	44
5	High level stable expression of recombinant HIV gp120 in glutamine synthetase gene deficient HEK293T cells. <i>Protein Expression and Purification</i> , 2021, 181, 105837.	1.3	2
6	The Role of L-Selectin in HIV Infection. <i>Frontiers in Microbiology</i> , 2021, 12, 725741.	3.5	3
7	High affinity binding of SARS-CoV-2 spike protein enhances ACE2 carboxypeptidase activity. <i>Journal of Biological Chemistry</i> , 2020, 295, 18579-18588.	3.4	82
8	High-affinity oligoclonal TCRs define effective adoptive T cell therapy targeting mutant KRAS-G12D. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12826-12835.	7.1	68
9	Novel MHC-Independent $\hat{I}\hat{A}^2$ TCRs Specific for CD48, CD102, and CD155 Self-Proteins and Their Selection in the Thymus. <i>Frontiers in Immunology</i> , 2020, 11, 1216.	4.8	3
10	Structure of MHC-Independent TCRs and Their Recognition of Native Antigen CD155. <i>Journal of Immunology</i> , 2020, 204, 3351-3359.	0.8	10
11	Human NK cell receptor KIR2DS4 detects a conserved bacterial epitope presented by HLA-C. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12964-12973.	7.1	59
12	Molecular constraints on CDR3 for thymic selection of MHC-restricted TCRs from a random pre-selection repertoire. <i>Nature Communications</i> , 2019, 10, 1019.	12.8	72
13	Pentraxins and Fc Receptor-Mediated Immune Responses. <i>Frontiers in Immunology</i> , 2018, 9, 2607.	4.8	57
14	HIV-1 targets L-selectin for adhesion and induces its shedding for viral release. <i>Nature Communications</i> , 2018, 9, 2825.	12.8	15
15	Overexpression of Ebola virus envelope GP1 protein. <i>Protein Expression and Purification</i> , 2017, 135, 45-53.	1.3	2
16	HLA-F: A New Kid Licensed for Peptide Presentation. <i>Immunity</i> , 2017, 46, 972-974.	14.3	12
17	Over-expression of a human CD62L ecto-domain and a potential role of RNA pseudoknot structures in recombinant protein expression. <i>Protein Expression and Purification</i> , 2017, 140, 65-73.	1.3	1
18	T cell receptor repertoires of mice and humans are clustered in similarity networks around conserved public CDR3 sequences. <i>ELife</i> , 2017, 6, .	6.0	175

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19	Structural mechanism of high affinity Fc $\gamma$ RI recognition of immunoglobulin G. <i>Immunological Reviews</i> , 2015, 268, 192-200.	6.0	29
20	Structure of Fc $\gamma$ RI in complex with Fc reveals the importance of glycan recognition for high-affinity IgG binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 833-838.	7.1	117
21	Meeting Report on Immunoreceptors 2014. <i>FASEB Journal</i> , 2015, 29, 740-744.	0.5	1
22	Development of an improved mammalian overexpression method for human CD62L. <i>Protein Expression and Purification</i> , 2015, 105, 8-13.	1.3	2
23	Natural Killer Cell-Mediated Shedding of ULBP2. <i>PLoS ONE</i> , 2014, 9, e91133.	2.5	8
24	A rapid and rational approach to generating isomorphous heavy-atom phasing derivatives. <i>FEBS Journal</i> , 2014, 281, 4021-4028.	4.7	9
25	Pentraxins and IgA share a binding hotspot on Fc $\gamma$ RI. <i>Protein Science</i> , 2014, 23, 378-386.	7.6	12
26	Glycosylation, Hypogammaglobulinemia, and Resistance to Viral Infections. <i>New England Journal of Medicine</i> , 2014, 370, 1615-1625.	27.0	117
27	$\gamma$ $\delta$ T Cell Receptors that Do Not Undergo Major Histocompatibility Complex-Specific Thymic Selection Possess Antibody-like Recognition Specificities. <i>Immunity</i> , 2012, 36, 79-91.	14.3	95
28	Pentraxins and Fc receptors. <i>Immunological Reviews</i> , 2012, 250, 230-238.	6.0	84
29	The Structure of the TLR5-Flagellin Complex: A New Mode of Pathogen Detection, Conserved Receptor Dimerization for Signaling. <i>Science Signaling</i> , 2012, 5, pe11.	3.6	31
30	Siglecs Facilitate HIV-1 Infection of Macrophages through Adhesion with Viral Sialic Acids. <i>PLoS ONE</i> , 2011, 6, e24559.	2.5	94
31	Recognition and functional activation of the human IgA receptor (Fc $\gamma$ RI) by C-reactive protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4974-4979.	7.1	69
32	Crystal structure of human natural cytotoxicity receptor NKp30 and identification of its ligand binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6223-6228.	7.1	60
33	Crystal Structure of Fc $\gamma$ Receptor I and Its Implication in High Affinity $\gamma$ -Immunoglobulin Binding. <i>Journal of Biological Chemistry</i> , 2011, 286, 40608-40613.	3.4	75
34	Natural killer cell-produced IFN- $\gamma$ and TNF- $\alpha$ induce target cell cytolysis through up-regulation of ICAM-1. <i>Journal of Leukocyte Biology</i> , 2011, 91, 299-309.	3.3	211
35	A rational approach to heavy-atom derivative screening. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 358-365.	2.5	15
36	Ternary Complex of Transforming Growth Factor- $\beta$ 1 Reveals Isoform-specific Ligand Recognition and Receptor Recruitment in the Superfamily. <i>Journal of Biological Chemistry</i> , 2010, 285, 14806-14814.	3.4	135

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37	Towards a rational approach for heavy-atom derivative screening in protein crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 354-367.	2.5	14
38	Structural recognition and functional activation of Fc $\gamma$ R by innate pentraxins. <i>Nature</i> , 2008, 456, 989-992.	27.8	272
39	Structural Implications of Siglec-5-Mediated Sialoglycan Recognition. <i>Journal of Molecular Biology</i> , 2008, 375, 437-447.	4.2	66
40	Structural implications of Siglec $\epsilon$ mediated sialo $\alpha$ glycan recognition. <i>FASEB Journal</i> , 2008, 22, 276-276.	0.5	7
41	An improved recombinant mammalian cell expression system for human transforming growth factor $\beta$ 2 and $\beta$ 3 preparations. <i>Protein Expression and Purification</i> , 2006, 50, 9-17.	1.3	22
42	Targeted lysis of HIV-infected cells by natural killer cells armed and triggered by a recombinant immunoglobulin fusion protein: implications for immunotherapy. <i>Virology</i> , 2005, 332, 491-497.	2.4	33
43	Recognition of peptide $\alpha$ MHC class I complexes by activating killer immunoglobulin-like receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13224-13229.	7.1	358
44	Characterization of DC-SIGN/R Interaction with Human Immunodeficiency Virus Type 1 gp120 and ICAM Molecules Favors the Receptor's Role as an Antigen-Capturing Rather than an Adhesion Receptor. <i>Journal of Virology</i> , 2005, 79, 4589-4598.	3.4	83
45	Overview of Protein Structural and Functional Folds. <i>Current Protocols in Protein Science</i> , 2004, 35, Unit 17.1.	2.8	25
46	Overexpression of human transforming growth factor $\beta$ 1 using a recombinant CHO cell expression system. <i>Protein Expression and Purification</i> , 2004, 37, 265-272.	1.3	42
47	Structure and Function of Natural-Killer-Cell Receptors. <i>Immunologic Research</i> , 2003, 27, 539-548.	2.9	43
48	Crystal Structure of the Human Myeloid Cell Activating Receptor TREM-1. <i>Structure</i> , 2003, 11, 1527-1535.	3.3	61
49	Structure and Function of Natural Killer Cell Surface Receptors. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2003, 32, 93-114.	18.3	76
50	Crystal Structure of the Human Natural Killer (NK) Cell Activating Receptor NKp46 Reveals Structural Relationship to Other Leukocyte Receptor Complex Immunoreceptors. <i>Journal of Biological Chemistry</i> , 2003, 278, 46081-46086.	3.4	63
51	A structural perspective on MHC class I recognition by killer cell immunoglobulin-like receptors. <i>Molecular Immunology</i> , 2002, 38, 1007-1021.	2.2	162
52	Recognition of immunoglobulins by Fc $\gamma$ receptors. <i>Molecular Immunology</i> , 2002, 38, 1073-1083.	2.2	128
53	Generating isomorphous heavy-atom derivatives by a quick-soak method. Part I: test cases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1092-1098.	2.5	34
54	Generating isomorphous heavy-atom derivatives by a quick-soak method. Part II: phasing of new structures. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1099-1103.	2.5	11

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55	Conformational Plasticity Revealed by the Cocrystal Structure of NKG2D and Its Class I MHC-like Ligand ULBP3. <i>Immunity</i> , 2001, 15, 1039-1049.	14.3	139
56	Structure of killer cell immunoglobulin-like receptors and their recognition of the class I MHC molecules. <i>Immunological Reviews</i> , 2001, 181, 66-78.	6.0	92
57	Recognition of IgG by Fc $\gamma$ 3 Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 16478-16483.	3.4	124
58	The Structure of a Human Type III Fc $\gamma$ 3 Receptor in Complex with Fc. <i>Journal of Biological Chemistry</i> , 2001, 276, 16469-16477.	3.4	325
59	Mass-spectrometry assisted heavy-atom derivative screening of human Fc $\gamma$ 3RIII crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 161-168.	2.5	13
60	Crystal structure of an NK cell immunoglobulin-like receptor in complex with its class I MHC ligand. <i>Nature</i> , 2000, 405, 537-543.	27.8	386
61	Development of a Recombinant Bacterial Expression System for the Active Form of a Human Transforming Growth Factor $\beta$ 2 Type II Receptor Ligand Binding Domain. <i>Protein Expression and Purification</i> , 2000, 20, 98-104.	1.3	14
62	Crystal Structure of the Extracellular Domain of a Human Fc $\gamma$ 3RIII. <i>Immunity</i> , 2000, 13, 387-395.	14.3	98
63	Structure of CD94 Reveals a Novel C-Type Lectin Fold. <i>Immunity</i> , 1999, 10, 75-82.	14.3	129
64	MHC-independent $\gamma\delta$ T cells: Lessons learned about thymic selection and MHC-restriction. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4