

Peter Steinberger

List of Publications by Year in descending order

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107
papers

4,760
citations

81900

39
h-index

110387

64
g-index

112
all docs

112
docs citations

112
times ranked

7557
citing authors

#	ARTICLE	IF	CITATIONS
1	B7-H1 (Programmed Death-1 Ligand) on Dendritic Cells Is Involved in the Induction and Maintenance of T Cell Anergy. <i>Journal of Immunology</i> , 2003, 170, 3637-3644.	0.8	242
2	B cells sustain inflammation and predict response to immune checkpoint blockade in human melanoma. <i>Nature Communications</i> , 2019, 10, 4186.	12.8	236
3	B7-3 is a potent inhibitor of human T cell activation: No evidence for B7-3 and TREM2 interaction. <i>European Journal of Immunology</i> , 2009, 39, 1754-1764.	2.9	231
4	Molecular Characterization of Human 4Ig-B7-H3, a Member of the B7 Family with Four Ig-Like Domains. <i>Journal of Immunology</i> , 2004, 172, 2352-2359.	0.8	228
5	Methods for the generation of chicken monoclonal antibody fragments by phage display. <i>Journal of Immunological Methods</i> , 2000, 242, 159-181.	1.4	193
6	Assessment of costimulation and coinhibition in a triple parameter T cell reporter line: Simultaneous measurement of NF- κ B, NFAT and AP-1. <i>Journal of Immunological Methods</i> , 2016, 430, 10-20.	1.4	140
7	Integrated drug profiling and CRISPR screening identify essential pathways for CAR T-cell cytotoxicity. <i>Blood</i> , 2020, 135, 597-609.	1.4	134
8	Not All Immune Checkpoints Are Created Equal. <i>Frontiers in Immunology</i> , 2018, 9, 1909.	4.8	114
9	Therapeutic PD-L1 antibodies are more effective than PD-1 antibodies in blocking PD-1/PD-L1 signaling. <i>Scientific Reports</i> , 2019, 9, 11472.	3.3	109
10	A Comprehensive and Quantitative Analysis of the Major Specificities in Rabbit Antithymocyte Globulin Preparations. <i>American Journal of Transplantation</i> , 2013, 13, 3103-3113.	4.7	89
11	Human Rhinoviruses Inhibit the Accessory Function of Dendritic Cells by Inducing Sialoadhesin and B7-H1 Expression. <i>Journal of Immunology</i> , 2005, 175, 1145-1152.	0.8	87
12	The capacity of the TNF family members 4-1BBL, OX40L, CD70, GITRL, CD30L and LIGHT to costimulate human T cells. <i>European Journal of Immunology</i> , 2008, 38, 2678-2688.	2.9	86
13	Identification of PD-1 as a Unique Marker for Failing Immune Reconstitution in HIV-1 Infected Patients on Treatment. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2011, 56, 118-124.	2.1	85
14	Construction of a Combinatorial IgE Library from an Allergic Patient. <i>Journal of Biological Chemistry</i> , 1996, 271, 10967-10972.	3.4	82
15	CD27 expression discriminates porcine T helper cells with functionally distinct properties. <i>Veterinary Research</i> , 2013, 44, 18.	3.0	82
16	Notch is active in Langerhans cell histiocytosis and confers pathognomonic features on dendritic cells. <i>Blood</i> , 2012, 120, 5199-5208.	1.4	81
17	TIM-3 Does Not Act as a Receptor for Galectin-9. <i>PLoS Pathogens</i> , 2013, 9, e1003253.	4.7	81
18	Molecular characterization of Phl pII, a major timothy grass (<i>Phleum pratense</i>) pollen allergen. <i>FEBS Letters</i> , 1993, 335, 299-304.	2.8	80

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19	CD58/CD2 Is the Primary Costimulatory Pathway in Human CD28 ⁺ CD8 ⁺ T Cells. <i>Journal of Immunology</i> , 2015, 195, 477-487.	0.8	79
20	A Human Monoclonal IgE Antibody Defines a Highly Allergenic Fragment of the Major Timothy Grass Pollen Allergen, Phl p 5: Molecular, Immunological, and Structural Characterization of the Epitope-Containing Domain. <i>Journal of Immunology</i> , 2000, 165, 3849-3859.	0.8	77
21	Conversion of grass pollen allergen-specific human IgE into a protective IgG1 antibody. <i>European Journal of Immunology</i> , 2002, 32, 2156.	2.9	73
22	CD63 as an Activation-Linked T Cell Costimulatory Element. <i>Journal of Immunology</i> , 2004, 173, 6000-6008.	0.8	66
23	T cell stimulator cells, an efficient and versatile cellular system to assess the role of costimulatory ligands in the activation of human T cells. <i>Journal of Immunological Methods</i> , 2010, 362, 131-141.	1.4	65
24	Generation and Characterization of a Recombinant Human CCR5-specific Antibody. <i>Journal of Biological Chemistry</i> , 2000, 275, 36073-36078.	3.4	61
25	Spatial clustering of the IgE epitopes on the major timothy grass pollen allergen Phl p 1: Importance for allergenic activity. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 1336-1343.	2.9	61
26	Receptors and ligands implicated in human T cell costimulatory processes. <i>Immunology Letters</i> , 2010, 128, 89-97.	2.5	59
27	Porcine CD27: Identification, expression and functional aspects in lymphocyte subsets in swine. <i>Developmental and Comparative Immunology</i> , 2012, 38, 321-331.	2.3	59
28	PD-1 Blockade Promotes Emerging Checkpoint Inhibitors in Enhancing T Cell Responses to Allogeneic Dendritic Cells. <i>Frontiers in Immunology</i> , 2017, 8, 572.	4.8	59
29	A conformation-specific ON-switch for controlling CAR T cells with an orally available drug. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14926-14935.	7.1	59
30	Immunological and structural similarities among allergens: Prerequisite for a specific and component ² -based therapy of allergy. <i>Immunology and Cell Biology</i> , 1996, 74, 187-194.	2.3	57
31	Molecular characterization of human IgG monoclonal antibodies specific for the major birch pollen allergen Bet v 1. Anti ² -allergen IgG can enhance the anaphylactic reaction. <i>FEBS Letters</i> , 2000, 465, 39-46.	2.8	56
32	A Jurkat 76 based triple parameter reporter system to evaluate TCR functions and adoptive T cell strategies. <i>Oncotarget</i> , 2018, 9, 17608-17619.	1.8	55
33	Host antimicrobial proteins as endogenous immunomodulators. <i>Immunology Letters</i> , 2008, 119, 4-11.	2.5	50
34	A cellular platform for the evaluation of immune checkpoint molecules. <i>Oncotarget</i> , 2017, 8, 64892-64906.	1.8	48
35	Azithromycin inhibits IL-1 secretion and non-canonical inflammasome activation. <i>Scientific Reports</i> , 2015, 5, 12016.	3.3	46
36	Antibodies targeting BTLA or TIM-3 enhance HIV-1 specific T cell responses in combination with PD-1 blockade. <i>Clinical Immunology</i> , 2017, 183, 167-173.	3.2	46

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37	No evidence for dualism in function and receptors: PD-1/B7-1 is an inhibitory regulator of human T cell activation. <i>European Journal of Immunology</i> , 2006, 36, 1104-1113.	2.9	45
38	Identification of human CD93 as the phagocytic C1q receptor (C1qRp) by expression cloning. <i>Journal of Leukocyte Biology</i> , 2002, 71, 133-40.	3.3	45
39	The zymogen granule protein 2 (GP2) binds to scavenger receptor expressed on endothelial cells I (SREC-I). <i>Cellular Immunology</i> , 2011, 267, 88-93.	3.0	43
40	Assessment of Batch to Batch Variation in Polyclonal Antithymocyte Globulin Preparations. <i>Transplantation</i> , 2012, 93, 32-40.	1.0	43
41	Resveratrol enhances TNF- α production in human monocytes upon bacterial stimulation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 95-105.	2.4	43
42	Molecular and Structural Analysis of a Continuous Birch Profilin Epitope Defined by a Monoclonal Antibody. <i>Journal of Biological Chemistry</i> , 1996, 271, 29915-29921.	3.4	38
43	Interaction of Antithymocyte Globulins with Dendritic Cell Antigens. <i>American Journal of Transplantation</i> , 2011, 11, 138-145.	4.7	37
44	Chloroquine inhibits human CD4+ T-cell activation by AP-1 signaling modulation. <i>Scientific Reports</i> , 2017, 7, 42191.	3.3	36
45	Chimeric Antigen Receptor Library Screening Using a Novel NF- κ B/NFAT Reporter Cell Platform. <i>Molecular Therapy</i> , 2019, 27, 287-299.	8.2	34
46	Identification of the scavenger receptors SREC-I, Cla-1 (SR-BI), and SR-AI as cellular receptors for Tamm-Horsfall protein. <i>Journal of Leukocyte Biology</i> , 2008, 83, 131-138.	3.3	33
47	Generation of Human scFv Antibody Libraries: PCR Amplification and Assembly of Light- and Heavy-Chain Coding Sequences. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot065573.	0.3	33
48	PD-1 has a unique capacity to inhibit allergen-specific human CD4+ T cell responses. <i>Scientific Reports</i> , 2018, 8, 13543.	3.3	32
49	Targeted T cell receptor gene editing provides predictable T cell product function for immunotherapy. <i>Cell Reports Medicine</i> , 2021, 2, 100374.	6.5	30
50	Allogeneic disparities in immunoglobulin-like transcript 5 induce potent antibody responses in hematopoietic stem cell transplant recipients. <i>Blood</i> , 2009, 114, 2323-2332.	1.4	29
51	Bet v 1-specific T-cell receptor/forkhead box protein 3 transgenic T cells suppress Bet v 1-specific T-cell effector function in an activation-dependent manner. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 238-245.e3.	2.9	29
52	The Immunoglobulin E-Allergen Interaction: A Target for Therapy of Type I Allergic Diseases. <i>International Archives of Allergy and Immunology</i> , 1998, 116, 167-176.	2.1	28
53	A human monocytic NF- κ B fluorescent reporter cell line for detection of microbial contaminants in biological samples. <i>PLoS ONE</i> , 2017, 12, e0178220.	2.5	28
54	Immunosuppressive Activity of <i>Artemisia argyi</i> Extract and Isolated Compounds. <i>Frontiers in Pharmacology</i> , 2020, 11, 402.	3.5	28

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55	Modulation of allergen-specific T-lymphocyte function by virus-like particles decorated with HLA class II molecules. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 121-128.	2.9	27
56	Differential activation of dendritic cells by toll-like receptors causes diverse differentiation of naïve CD4 ⁺ T cells from allergic patients. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 1602-1609.	5.7	26
57	ILDR2 Is a Novel B7-like Protein That Negatively Regulates T Cell Responses. <i>Journal of Immunology</i> , 2018, 200, 2025-2037.	0.8	26
58	The effects of Cyclosporine A and azathioprine on human T cells activated by different costimulatory signals. <i>Immunology Letters</i> , 2011, 140, 74-80.	2.5	25
59	Porcine SWC1 is CD52 ⁺ Final determination by the use of a retroviral cDNA expression library. <i>Veterinary Immunology and Immunopathology</i> , 2012, 146, 27-34.	1.2	25
60	TIM-3 and CEACAM1 do not interact in cis and in trans. <i>European Journal of Immunology</i> , 2020, 50, 1126-1141.	2.9	25
61	Ig-like transcript 4 as a cellular receptor for soluble complement fragment C4d. <i>FASEB Journal</i> , 2016, 30, 1492-1503.	0.5	23
62	CTLA-4 antibody ipilimumab negatively affects CD4 ⁺ T-cell responses in vitro. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 1359-1368.	4.2	23
63	Creation of an engineered APC system to explore and optimize the presentation of immunodominant peptides of major allergens. <i>Scientific Reports</i> , 2016, 6, 31580.	3.3	22
64	The tryptophan metabolite picolinic acid suppresses proliferation and metabolic activity of CD4 ⁺ T cells and inhibits c-Myc activation. <i>Journal of Leukocyte Biology</i> , 2016, 99, 583-594.	3.3	22
65	STAT3 governs hyporesponsiveness and granzyme B-dependent suppressive capacity in human CD4 ⁺ T cells. <i>FASEB Journal</i> , 2015, 29, 759-771.	0.5	21
66	Zip6 Transporter Is an Essential Component of the Lymphocyte Activation Machinery. <i>Journal of Immunology</i> , 2019, 202, 441-450.	0.8	21
67	Transferrin receptor 1 is a cellular receptor for human heme-albumin. <i>Communications Biology</i> , 2020, 3, 621.	4.4	19
68	A New Strategy Toward B Cell-Based Cancer Vaccines by Active Immunization With Mimotopes of Immune Checkpoint Inhibitors. <i>Frontiers in Immunology</i> , 2020, 11, 895.	4.8	18
69	Fluorosomes: a convenient new reagent to detect and block multivalent and complex receptor-ligand interactions. <i>FASEB Journal</i> , 2010, 24, 1572-1582.	0.5	17
70	Composite CD79A/CD40 co-stimulatory endodomain enhances CD19CAR-T cell proliferation and survival. <i>Molecular Therapy</i> , 2021, 29, 2677-2690.	8.2	17
71	The soluble cytoplasmic tail of CD45 (ctCD45) in human plasma contributes to keep T cells in a quiescent state. <i>European Journal of Immunology</i> , 2017, 47, 193-205.	2.9	16
72	Development of a Human Cytomegalovirus (HCMV)-Based Therapeutic Cancer Vaccine Uncovers a Previously Unsuspected Viral Block of MHC Class I Antigen Presentation. <i>Frontiers in Immunology</i> , 2019, 10, 1776.	4.8	15

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73	A T cell reporter platform for high-throughput and reliable investigation of TCR function and biology. <i>Clinical and Translational Immunology</i> , 2020, 9, e1216.	3.8	15
74	4-1BB costimulation promotes bystander activation of human CD8 T cells. <i>European Journal of Immunology</i> , 2021, 51, 721-733.	2.9	15
75	CD28 checkpoint inhibition and its blockade critically depends on peptides presented by its ligand HLA-E. <i>Immunology</i> , 2022, 166, 507-521.	4.4	15
76	T cell-derived cytokines enhance the antigen-presenting capacity of human neutrophils. <i>European Journal of Immunology</i> , 2019, 49, 1441-1443.	2.9	14
77	Diacylglycerol kinase β inhibition cooperates with PD-1-targeted therapies to restore the T cell activation program. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 3277-3289.	4.2	14
78	Generation of Human Fab Antibody Libraries: PCR Amplification and Assembly of Light- and Heavy-Chain Coding Sequences. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot065565.	0.3	12
79	Overexpression of PDE4A Acts as Checkpoint Inhibitor Against cAMP-Mediated Immunosuppression in vitro. <i>Frontiers in Immunology</i> , 2019, 10, 1790.	4.8	12
80	Neuropilin-1 Acts as a Receptor for Complement Split Products. <i>Frontiers in Immunology</i> , 2019, 10, 2209.	4.8	12
81	Two Newly Diagnosed HLA Class II-Deficient Patients Identified by Rapid Vector-Based Complementation Analysis Reveal Discoordinate Invariant Chain Expression Levels. <i>International Archives of Allergy and Immunology</i> , 2010, 152, 390-400.	2.1	11
82	Establishment and characterization of a primary and a metastatic melanoma cell line from Grey horses. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014, 50, 56-65.	1.5	11
83	CD28 Blockade Ex Vivo Induces Alloantigen-Specific Immune Tolerance but Preserves T-Cell Pathogen Reactivity. <i>Frontiers in Immunology</i> , 2017, 8, 1152.	4.8	11
84	Costimulatory signals potently modulate the T cell inhibitory capacity of the therapeutic CD11a antibody Efalizumab. <i>Clinical Immunology</i> , 2011, 139, 199-207.	3.2	10
85	Diacylglycerol kinase β limits IL-2-dependent control of PD-1 expression in tumor-infiltrating T lymphocytes. <i>Frontiers in Immunology</i> , 2020, 8, e001521.		10
86	Iron Deprivation in Human T Cells Induces Nonproliferating Accessory Helper Cells. <i>ImmunoHorizons</i> , 2020, 4, 165-177.	1.8	10
87	Immunosuppressive activity of non-psychoactive Cannabis sativa L. extract on the function of human T lymphocytes. <i>International Immunopharmacology</i> , 2022, 103, 108448.	3.8	10
88	Fragments of gD Protein as Inhibitors of BTLA/HVEM Complex Formation - Design, Synthesis, and Cellular Studies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8876.	4.1	9
89	Attenuation of canonical NF- κ B signaling maintains function and stability of human Treg. <i>FEBS Journal</i> , 2021, 288, 640-662.	4.7	9
90	A Highly Sensitive Cell-Based TLR Reporter Platform for the Specific Detection of Bacterial TLR Ligands. <i>Frontiers in Immunology</i> , 2021, 12, 817604.	4.8	8

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91	Engagement of distinct epitopes on CD 43 induces different co-stimulatory pathways in human T cells. <i>Immunology</i> , 2016, 149, 280-296.	4.4	7
92	Neutrophils promote T-cell-mediated inflammation in allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1923-1925.e3.	2.9	7
93	Differentiation and activation of human CD4 T cells is associated with a gradual loss of myelin and lymphocyte protein. <i>European Journal of Immunology</i> , 2021, 51, 848-863.	2.9	7
94	Targeting the HVEM protein using a fragment of glycoprotein D to inhibit formation of the BTLA/HVEM complex. <i>Bioorganic Chemistry</i> , 2022, 122, 105748.	4.1	7
95	Bip 1, a Monoclonal Antibody with Specificity for the Major Birch Pollen Allergen Bet v 1, Modulates IgE Binding to the Allergen. <i>International Archives of Allergy and Immunology</i> , 1997, 113, 260-261.	2.1	6
96	Generation of a Jurkat-based fluorescent reporter cell line to evaluate lipid antigen interaction with the human iNKT cell receptor. <i>Scientific Reports</i> , 2019, 9, 7426.	3.3	6
97	Artificial T Cell Adaptor Molecule-Transduced TCR-T Cells Demonstrated Improved Proliferation Only When Transduced in a Higher Intensity. <i>Molecular Therapy - Oncolytics</i> , 2020, 18, 613-622.	4.4	6
98	Determination of allergen specificity by heavy chains in grass pollen allergen-specific IgE antibodies. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1185-1193.e6.	2.9	5
99	Downstream effect profiles discern different mechanisms of integrin $\alpha 2 \beta 2$ inhibition. <i>Biochemical Pharmacology</i> , 2016, 119, 42-55.	4.4	5
100	Expression of CD9 on porcine lymphocytes and its relation to T cell differentiation and cytokine production. <i>Developmental and Comparative Immunology</i> , 2021, 121, 104080.	2.3	5
101	B7-H3 ameliorates GVHD. <i>Blood</i> , 2015, 125, 3219-3221.	1.4	4
102	PD-1 blocking antibodies moonlighting as killers. <i>European Journal of Immunology</i> , 2021, 51, 1361-1364.	2.9	4
103	Expression in <i>Escherichia coli</i> of Human IgE Antibody Fragments with Specificity for Major Timothy Grass Pollen Allergens Using the Combinatorial Library Approach. <i>International Archives of Allergy and Immunology</i> , 1997, 113, 258-259.	2.1	2
104	The soluble cytoplasmic tail of CD45 regulates T-cell activation via TLR4 signaling. <i>European Journal of Immunology</i> , 2021, 51, 3176-3185.	2.9	2
105	HLA Antibodies in ATGs. <i>American Journal of Transplantation</i> , 2014, 14, 738-738.	4.7	1
106	Low seroprotection rate for meningococcus serogroup AC in the adult HIV-1-infected population in Austria. <i>Wiener Klinische Wochenschrift</i> , 2020, 132, 171-175.	1.9	0
107	519...Diacylglycerol kinase β limits IL-2-dependent control of PD-1 expression in tumor-infiltrating T lymphocytes. , 2020, ,		0