

# Arlene H Sharpe

## List of Publications by Year in descending order

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299  
papers

72,360  
citations

996

114  
h-index

611

259  
g-index

308  
all docs

308  
docs citations

308  
times ranked

59727  
citing authors

#	ARTICLE	IF	CITATIONS
1	PD-1 and Its Ligands in Tolerance and Immunity. Annual Review of Immunology, 2008, 26, 677-704.	9.5	4,462
2	Restoring function in exhausted CD8 T cells during chronic viral infection. Nature, 2006, 439, 682-687.	13.7	3,471
3	Loss of CTLA-4 leads to massive lymphoproliferation and fatal multiorgan tissue destruction, revealing a critical negative regulatory role of CTLA-4. Immunity, 1995, 3, 541-547.	6.6	2,628
4	PD-L2 is a second ligand for PD-1 and inhibits T cell activation. Nature Immunology, 2001, 2, 261-268.	7.0	2,504
5	THE B7 FAMILY REVISITED. Annual Review of Immunology, 2005, 23, 515-548.	9.5	2,104
6	p63 is essential for regenerative proliferation in limb, craniofacial and epithelial development. Nature, 1999, 398, 714-718.	13.7	2,082
7	The PD-1 pathway in tolerance and autoimmunity. Immunological Reviews, 2010, 236, 219-242.	2.8	1,902
8	B7/CD28 Costimulation Is Essential for the Homeostasis of the CD4+CD25+ Immunoregulatory T Cells that Control Autoimmune Diabetes. Immunity, 2000, 12, 431-440.	6.6	1,884
9	PD-L1 regulates the development, maintenance, and function of induced regulatory T cells. Journal of Experimental Medicine, 2009, 206, 3015-3029.	4.2	1,711
10	Checkpoint blockade cancer immunotherapy targets tumour-specific mutant antigens. Nature, 2014, 515, 577-581.	13.7	1,705
11	The B7-1/CD28 superfamily. Nature Reviews Immunology, 2002, 2, 116-126.	10.6	1,513
12	Programmed Death-1 Ligand 1 Interacts Specifically with the B7-1 Costimulatory Molecule to Inhibit T Cell Responses. Immunity, 2007, 27, 111-122.	6.6	1,464
13	Defining CD8+ T cells that provide the proliferative burst after PD-1 therapy. Nature, 2016, 537, 417-421.	13.7	1,371
14	The function of programmed cell death 1 and its ligands in regulating autoimmunity and infection. Nature Immunology, 2007, 8, 239-245.	7.0	1,286
15	The diverse functions of the PD1 inhibitory pathway. Nature Reviews Immunology, 2018, 18, 153-167.	10.6	1,210
16	Subsets of exhausted CD8+ T cells differentially mediate tumor control and respond to checkpoint blockade. Nature Immunology, 2019, 20, 326-336.	7.0	1,148
17	Tissue expression of PD-L1 mediates peripheral T cell tolerance. Journal of Experimental Medicine, 2006, 203, 883-895.	4.2	1,042
18	Defining "T cell exhaustion". Nature Reviews Immunology, 2019, 19, 665-674.	10.6	879

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19	In vivo CRISPR screening identifies Ptpn2 as a cancer immunotherapy target. <i>Nature</i> , 2017, 547, 413-418.	13.7	792
20	Analysis of Immune Signatures in Longitudinal Tumor Samples Yields Insight into Biomarkers of Response and Mechanisms of Resistance to Immune Checkpoint Blockade. <i>Cancer Discovery</i> , 2016, 6, 827-837.	7.7	785
21	Rescue of exhausted CD8 T cells by PD-1-targeted therapies is CD28-dependent. <i>Science</i> , 2017, 355, 1423-1427.	6.0	753
22	Antigen-specific regulatory T cells develop via the ICOS-ICOS-ligand pathway and inhibit allergen-induced airway hyperreactivity. <i>Nature Medicine</i> , 2002, 8, 1024-1032.	15.2	728
23	Coinhibitory Pathways in Immunotherapy for Cancer. <i>Annual Review of Immunology</i> , 2016, 34, 539-573.	9.5	718
24	Treg Cells Expressing the Coinhibitory Molecule TIGIT Selectively Inhibit Proinflammatory Th1 and Th17 Cell Responses. <i>Immunity</i> , 2014, 40, 569-581.	6.6	702
25	The costimulatory molecule ICOS regulates the expression of c-Maf and IL-21 in the development of follicular T helper cells and TH-17 cells. <i>Nature Immunology</i> , 2009, 10, 167-175.	7.0	645
26	PD-L1 on tumor cells is sufficient for immune evasion in immunogenic tumors and inhibits CD8 T cell cytotoxicity. <i>Journal of Experimental Medicine</i> , 2017, 214, 895-904.	4.2	614
27	ICOS is critical for CD40-mediated antibody class switching. <i>Nature</i> , 2001, 409, 102-105.	13.7	597
28	Lethal $\beta$ -thalassaemia in mice lacking the erythroid CACCC-transcription factor EKLF. <i>Nature</i> , 1995, 375, 318-322.	13.7	587
29	PD-1 regulates germinal center B cell survival and the formation and affinity of long-lived plasma cells. <i>Nature Immunology</i> , 2010, 11, 535-542.	7.0	583
30	PD-L1-deficient mice show that PD-L1 on T cells, antigen-presenting cells, and host tissues negatively regulates T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10691-10696.	3.3	556
31	Regulation of PD-1, PD-L1, and PD-L2 expression during normal and autoimmune responses. <i>European Journal of Immunology</i> , 2003, 33, 2706-2716.	1.6	551
32	TIM-1 and TIM-4 Glycoproteins Bind Phosphatidylserine and Mediate Uptake of Apoptotic Cells. <i>Immunity</i> , 2007, 27, 927-940.	6.6	536
33	Melanoma Cell-Intrinsic PD-1 Receptor Functions Promote Tumor Growth. <i>Cell</i> , 2015, 162, 1242-1256.	13.5	507
34	Induction of B7-1 in podocytes is associated with nephrotic syndrome. <i>Journal of Clinical Investigation</i> , 2004, 113, 1390-1397.	3.9	495
35	Interplay of somatic alterations and immune infiltration modulates response to PD-1 blockade in advanced clear cell renal cell carcinoma. <i>Nature Medicine</i> , 2020, 26, 909-918.	15.2	488
36	B7-1 and B7-2 Have Overlapping, Critical Roles in Immunoglobulin Class Switching and Germinal Center Formation. <i>Immunity</i> , 1997, 6, 303-313.	6.6	479

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37	LSD1 Ablation Stimulates Anti-tumor Immunity and Enables Checkpoint Blockade. <i>Cell</i> , 2018, 174, 549-563.e19.	13.5	473
38	Coinhibitory Pathways in the B7-CD28 Ligand-Receptor Family. <i>Immunity</i> , 2016, 44, 955-972.	6.6	462
39	Cutting Edge: TIGIT Has T Cell-Intrinsic Inhibitory Functions. <i>Journal of Immunology</i> , 2011, 186, 1338-1342.	0.4	452
40	Cutting Edge: IL-27 Induces the Transcription Factor c-Maf, Cytokine IL-21, and the Costimulatory Receptor ICOS that Coordinately Act Together to Promote Differentiation of IL-10-Producing Tr1 Cells. <i>Journal of Immunology</i> , 2009, 183, 797-801.	0.4	443
41	The receptor PD-1 controls follicular regulatory T cells in the lymph nodes and blood. <i>Nature Immunology</i> , 2013, 14, 152-161.	7.0	428
42	Endothelial expression of PD-L1 and PD-L2 down-regulates CD8+ T cell activation and cytolysis. <i>European Journal of Immunology</i> , 2003, 33, 3117-3126.	1.6	413
43	Mouse Inducible Costimulatory Molecule (ICOS) Expression Is Enhanced by CD28 Costimulation and Regulates Differentiation of CD4+ T Cells. <i>Journal of Immunology</i> , 2000, 165, 5035-5040.	0.4	400
44	CTLA-4 Regulates Induction of Anergy In Vivo. <i>Immunity</i> , 2001, 14, 145-155.	6.6	397
45	Heparin is essential for the storage of specific granule proteases in mast cells. <i>Nature</i> , 1999, 400, 769-772.	13.7	394
46	PD-1 and its ligands in T-cell immunity. <i>Current Opinion in Immunology</i> , 2007, 19, 309-314.	2.4	388
47	Reinvigorating exhausted HIV-specific T cells via PD-1 ligand blockade. <i>Journal of Experimental Medicine</i> , 2006, 203, 2223-2227.	4.2	374
48	Uncovering of functional alternative CTLA-4 counter-receptor in B7-deficient mice. <i>Science</i> , 1993, 262, 907-909.	6.0	368
49	Blockade of CTLA-4 on CD4+CD25+ Regulatory T Cells Abrogates Their Function In Vivo. <i>Journal of Immunology</i> , 2006, 177, 4376-4383.	0.4	368
50	Genetic absence of PD-1 promotes accumulation of terminally differentiated exhausted CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2015, 212, 1125-1137.	4.2	368
51	The Coinhibitory Receptor CTLA-4 Controls B Cell Responses by Modulating T Follicular Helper, T Follicular Regulatory, and T Regulatory Cells. <i>Immunity</i> , 2014, 41, 1026-1039.	6.6	355
52	Control of PI(3) kinase in Treg cells maintains homeostasis and lineage stability. <i>Nature Immunology</i> , 2015, 16, 188-196.	7.0	347
53	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. <i>Cell</i> , 2020, 183, 1848-1866.e26.	13.5	347
54	Glioblastoma Eradication Following Immune Checkpoint Blockade in an Orthotopic, Immunocompetent Model. <i>Cancer Immunology Research</i> , 2016, 4, 124-135.	1.6	339

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55	Role of PD-1 during effector CD8 T cell differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4749-4754.	3.3	327
56	CD39 Expression Identifies Terminally Exhausted CD8+ T Cells. PLoS Pathogens, 2015, 11, e1005177.	2.1	296
57	Ox40-Ligand Has a Critical Costimulatory Role in Dendritic Cell:T Cell Interactions. Immunity, 1999, 11, 689-698.	6.6	293
58	Mechanisms of costimulation. Immunological Reviews, 2009, 229, 5-11.	2.8	293
59	Mitochondrial Biogenesis and Proteome Remodeling Promote One-Carbon Metabolism for T Cell Activation. Cell Metabolism, 2016, 24, 104-117.	7.2	282
60	The role of B7 co-stimulation in activation and differentiation of CD4+ and CD8+ T cells. Immunological Reviews, 1998, 165, 231-247.	2.8	271
61	T follicular regulatory cells in the regulation of B cell responses. Trends in Immunology, 2015, 36, 410-418.	2.9	261
62	T follicular regulatory cells. Immunological Reviews, 2016, 271, 246-259.	2.8	261
63	Spatially organized multicellular immune hubs in human colorectal cancer. Cell, 2021, 184, 4734-4752.e20.	13.5	256
64	ICOS:ICOS-Ligand Interaction Is Required for Type 2 Innate Lymphoid Cell Function, Homeostasis, and Induction of Airway Hyperreactivity. Immunity, 2015, 42, 538-551.	6.6	254
65	RGMb is a novel binding partner for PD-L2 and its engagement with PD-L2 promotes respiratory tolerance. Journal of Experimental Medicine, 2014, 211, 943-959.	4.2	249
66	Progressive immune dysfunction with advancing disease stage in renal cell carcinoma. Cancer Cell, 2021, 39, 632-648.e8.	7.7	230
67	Response to BRAF Inhibition in Melanoma Is Enhanced When Combined with Immune Checkpoint Blockade. Cancer Immunology Research, 2014, 2, 643-654.	1.6	226
68	Endothelial Programmed Death-1 Ligand 1 (PD-L1) Regulates CD8 <sup>+</sup> T-Cell-Mediated Injury in the Heart. Circulation, 2007, 116, 2062-2071.	1.6	221
69	PD-1 Protects against Inflammation and Myocyte Damage in T Cell-Mediated Myocarditis. Journal of Immunology, 2012, 188, 4876-4884.	0.4	218
70	Crucial Role of Granulocytic Myeloid-Derived Suppressor Cells in the Regulation of Central Nervous System Autoimmune Disease. Journal of Immunology, 2012, 188, 1136-1146.	0.4	216
71	Circulating T follicular regulatory and helper cells have memory-like properties. Journal of Clinical Investigation, 2014, 124, 5191-5204.	3.9	215
72	PD-1 Regulates Self-Reactive CD8+ T Cell Responses to Antigen in Lymph Nodes and Tissues. Journal of Immunology, 2007, 179, 5064-5070.	0.4	212

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73	Viral targeting of fibroblastic reticular cells contributes to immunosuppression and persistence during chronic infection. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15430-15435.	3.3	206
74	Impaired Regulatory T-Cell Response and Enhanced Atherosclerosis in the Absence of Inducible Costimulatory Molecule. Circulation, 2006, 114, 2047-2055.	1.6	201
75	Control of gasdermin D oligomerization and pyroptosis by the Ragulator-Rag-mTORC1 pathway. Cell, 2021, 184, 4495-4511.e19.	13.5	201
76	An Autoimmune Disease-Associated CTLA-4 Splice Variant Lacking the B7 Binding Domain Signals Negatively in T Cells. Immunity, 2004, 20, 563-575.	6.6	197
77	Studies in B7-Deficient Mice Reveal a Critical Role for B7 Costimulation in Both Induction and Effector Phases of Experimental Autoimmune Encephalomyelitis. Journal of Experimental Medicine, 1999, 190, 733-740.	4.2	193
78	T-Cell Costimulation – Biology, Therapeutic Potential, and Challenges. New England Journal of Medicine, 2006, 355, 973-975.	13.9	190
79	Impairment of the Programmed Cell Death-1 Pathway Increases Atherosclerotic Lesion Development and Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1100-1107.	1.1	189
80	Suppression by TFR cells leads to durable and selective inhibition of B cell effector function. Nature Immunology, 2016, 17, 1436-1446.	7.0	189
81	Deletion of CTLA-4 on regulatory T cells during adulthood leads to resistance to autoimmunity. Journal of Experimental Medicine, 2015, 212, 1603-1621.	4.2	183
82	Interplay between regulatory T cells and PD-1 in modulating T cell exhaustion and viral control during chronic LCMV infection. Journal of Experimental Medicine, 2014, 211, 1905-1918.	4.2	182
83	Adverse Events Following Cancer Immunotherapy: Obstacles and Opportunities. Trends in Immunology, 2019, 40, 511-523.	2.9	180
84	Follicular regulatory T cells control humoral and allergic immunity by restraining early B cell responses. Nature Immunology, 2019, 20, 1360-1371.	7.0	176
85	The aging lung: Physiology, disease, and immunity. Cell, 2021, 184, 1990-2019.	13.5	175
86	Proatherogenic immune responses are regulated by the PD-1/PD-L pathway in mice. Journal of Clinical Investigation, 2007, 117, 2974-2982.	3.9	174
87	The PTEN pathway in T <sub>regs</sub> is a critical driver of the suppressive tumor microenvironment. Science Advances, 2015, 1, e1500845.	4.7	167
88	Genetics of reovirus: Identification of the ds RNA segments encoding the polypeptides of the 1/4 and 1/2 size classes. Virology, 1978, 89, 594-604.	1.1	166
89	Prevention and treatment of factor VIII inhibitors in murine hemophilia A. Blood, 2000, 95, 1324-1329.	0.6	165
90	The inhibitory function of B7 costimulators in T cell responses to foreign and self-antigens. Nature Immunology, 2003, 4, 664-669.	7.0	161

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91	Roles of CD48 in regulating immunity and tolerance. <i>Clinical Immunology</i> , 2016, 164, 10-20.	1.4	160
92	The Programmed Death-1 Ligand 1:B7-1 Pathway Restrains Diabetogenic Effector T Cells In Vivo. <i>Journal of Immunology</i> , 2011, 187, 1097-1105.	0.4	159
93	Programmed Death Ligand 1 Regulates a Critical Checkpoint for Autoimmune Myocarditis and Pneumonitis in MRL Mice. <i>Journal of Immunology</i> , 2008, 181, 2513-2521.	0.4	157
94	Host programmed death ligand 1 is dominant over programmed death ligand 2 expression in regulating graft-versus-host disease lethality. <i>Blood</i> , 2013, 122, 3062-3073.	0.6	156
95	Antigen-specific CD4 T-cell help rescues exhausted CD8 T cells during chronic viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 21182-21187.	3.3	155
96	The Cell Surface Receptor SLAM Controls T Cell and Macrophage Functions. <i>Journal of Experimental Medicine</i> , 2004, 199, 1255-1264.	4.2	153
97	Type 2 innate lymphoid cell suppression by regulatory T cells attenuates airway hyperreactivity and requires inducible T-cell costimulator-inducible T-cell costimulator ligand interaction. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1468-1477.e2.	1.5	153
98	Negative co-receptors on lymphocytes. <i>Current Opinion in Immunology</i> , 2002, 14, 391-396.	2.4	152
99	Introduction to checkpoint inhibitors and cancer immunotherapy. <i>Immunological Reviews</i> , 2017, 276, 5-8.	2.8	151
100	PD-1 restraint of regulatory T cell suppressive activity is critical for immune tolerance. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	151
101	PD-1 Dependent Exhaustion of CD8+ T Cells Drives Chronic Malaria. <i>Cell Reports</i> , 2013, 5, 1204-1213.	2.9	147
102	CTLA-4 Controls Regulatory T Cell Peripheral Homeostasis and Is Required for Suppression of Pancreatic Islet Autoimmunity. <i>Journal of Immunology</i> , 2009, 182, 274-282.	0.4	144
103	PTPN2 regulates the generation of exhausted CD8+ T cell subpopulations and restrains tumor immunity. <i>Nature Immunology</i> , 2019, 20, 1335-1347.	7.0	142
104	Analysis of the Role of Negative T Cell Costimulatory Pathways in CD4 and CD8 T Cell-Mediated Alloimmune Responses In Vivo. <i>Journal of Immunology</i> , 2005, 174, 6648-6656.	0.4	139
105	B7-1 or B7-2 Is Required to Produce the Lymphoproliferative Phenotype in Mice Lacking Cytotoxic T Lymphocyte-associated Antigen 4 (CTLA-4). <i>Journal of Experimental Medicine</i> , 1999, 189, 435-440.	4.2	137
106	A Critical Role for B7/CD28 Costimulation in Experimental Autoimmune Encephalomyelitis: A Comparative Study Using Costimulatory Molecule-Deficient Mice and Monoclonal Antibody Blockade. <i>Journal of Immunology</i> , 2000, 164, 136-143.	0.4	136
107	Stimulation of the B Cell Receptor, CD86 (B7-2), and the $\beta$ 2-Adrenergic Receptor Intrinsically Modulates the Level of IgG1 and IgE Produced per B Cell. <i>Journal of Immunology</i> , 2000, 165, 680-690.	0.4	134
108	B7-1/B7-2 Costimulation Regulates Plaque Antigen-Specific T-Cell Responses and Atherogenesis in Low-Density Lipoprotein Receptor-Deficient Mice. <i>Circulation</i> , 2004, 109, 2009-2015.	1.6	133

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109	The B7/CD28 costimulatory family in autoimmunity. <i>Immunological Reviews</i> , 2005, 204, 128-143.	2.8	129
110	PD-L1 has distinct functions in hematopoietic and nonhematopoietic cells in regulating T cell responses during chronic infection in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2508-2515.	3.9	129
111	CD80+Gr-1+ Myeloid Cells Inhibit Development of Antifungal Th1 Immunity in Mice with Candidiasis. <i>Journal of Immunology</i> , 2002, 169, 3180-3190.	0.4	126
112	Role of PD-1 in regulating acute infections. <i>Current Opinion in Immunology</i> , 2010, 22, 397-401.	2.4	125
113	T-Cell Costimulation and Coinhibition in Atherosclerosis. <i>Circulation Research</i> , 2008, 103, 1220-1231.	2.0	123
114	Programmed Death-1 (PD-1):PD-Ligand 1 Interactions Inhibit TCR-Mediated Positive Selection of Thymocytes. <i>Journal of Immunology</i> , 2005, 175, 7372-7379.	0.4	122
115	The threshold pattern of calcineurin-dependent gene expression is altered by loss of the endogenous inhibitor calcipressin. <i>Nature Immunology</i> , 2003, 4, 874-881.	7.0	120
116	Role of the host cell in persistent viral infection: Coevolution of L cells and reovirus during persistent infection. <i>Cell</i> , 1981, 25, 325-332.	13.5	119
117	B7 Expression on T Cells Down-Regulates Immune Responses through CTLA-4 Ligation via R-T Interactions. <i>Journal of Immunology</i> , 2004, 172, 34-39.	0.4	118
118	T Cell Activation Depends on Extracellular Alanine. <i>Cell Reports</i> , 2019, 28, 3011-3021.e4.	2.9	117
119	CTLA-4 regulates cell cycle progression during a primary immune response. <i>European Journal of Immunology</i> , 2002, 32, 366-373.	1.6	115
120	The Novel Costimulatory Programmed Death Ligand 1/B7.1 Pathway Is Functional in Inhibiting Alloimmune Responses In Vivo. <i>Journal of Immunology</i> , 2011, 187, 1113-1119.	0.4	115
121	The interaction of mammalian reoviruses with the cytoskeleton of monkey kidney CV-1 cells. <i>Virology</i> , 1982, 120, 399-411.	1.1	114
122	PD-L1 Antibodies to Its Cytoplasmic Domain Most Clearly Delineate Cell Membranes in Immunohistochemical Staining of Tumor Cells. <i>Cancer Immunology Research</i> , 2015, 3, 1308-1315.	1.6	114
123	The role of the ICOS-B7h T cell costimulatory pathway in transplantation immunity. <i>Journal of Clinical Investigation</i> , 2003, 112, 234-243.	3.9	114
124	Targeting of inducible costimulator (ICOS) expressed on alloreactive T cells down-regulates graft-versus-host disease (GVHD) and facilitates engraftment of allogeneic bone marrow (BM). <i>Blood</i> , 2005, 105, 3372-3380.	0.6	113
125	Not-so-opposite ends of the spectrum: CD8+ T cell dysfunction across chronic infection, cancer and autoimmunity. <i>Nature Immunology</i> , 2021, 22, 809-819.	7.0	113
126	Defective TFH Cell Function and Increased TFR Cells Contribute to Defective Antibody Production in Aging. <i>Cell Reports</i> , 2015, 12, 163-171.	2.9	112



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127	Inhibitors of the PD-1 Pathway in Tumor Therapy. <i>Journal of Immunology</i> , 2018, 200, 375-383.	0.4	112
128	A genetic map of reovirus I. Correlation of genome RNAs between serotypes 1, 2, and 3. <i>Virology</i> , 1978, 84, 63-74.	1.1	110
129	CD28-independent Costimulation of T Cells in Alloimmune Responses. <i>Journal of Immunology</i> , 2001, 167, 140-146.	0.4	109
130	Intestinal Tolerance Is Converted to Autoimmune Enteritis upon PD-1 Ligand Blockade. <i>Journal of Immunology</i> , 2009, 182, 2102-2112.	0.4	105
131	Deletion of a conserved Il4 silencer impairs T helper type 1-mediated immunity. <i>Nature Immunology</i> , 2004, 5, 1251-1259.	7.0	103
132	The Role of LAT in Increased CD8 <sup>+</sup> T Cell Exhaustion in Trigeminal Ganglia of Mice Latently Infected with Herpes Simplex Virus 1. <i>Journal of Virology</i> , 2011, 85, 4184-4197.	1.5	103
133	The Function of Donor versus Recipient Programmed Death-Ligand 1 in Corneal Allograft Survival. <i>Journal of Immunology</i> , 2007, 179, 3672-3679.	0.4	101
134	PD-1 pathway regulates ILC2 metabolism and PD-1 agonist treatment ameliorates airway hyperreactivity. <i>Nature Communications</i> , 2020, 11, 3998.	5.8	101
135	Concurrent Dexamethasone Limits the Clinical Benefit of Immune Checkpoint Blockade in Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 276-287.	3.2	100
136	CD80 Expression on B Cells Regulates Murine T Follicular Helper Development, Germinal Center B Cell Survival, and Plasma Cell Generation. <i>Journal of Immunology</i> , 2012, 188, 4217-4225.	0.4	98
137	BRAF inhibition is associated with increased clonality in tumor-infiltrating lymphocytes. <i>OncImmunology</i> , 2013, 2, e26615.	2.1	97
138	A genetic map of reovirus II. Assignment of the double-stranded RNA-negative mutant groups C, D, and E to genome segments. <i>Virology</i> , 1978, 85, 531-544.	1.1	96
139	Costimulation and autoimmunity. <i>Current Opinion in Immunology</i> , 1996, 8, 822-830.	2.4	96
140	Dendritic Cell PD-L1 Limits Autoimmunity and Follicular T Cell Differentiation and Function. <i>Journal of Immunology</i> , 2018, 200, 2592-2602.	0.4	96
141	Defective respiration and one-carbon metabolism contribute to impaired naïve T cell activation in aged mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13347-13352.	3.3	93
142	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4 <sup>+</sup> T Cell Immunity. <i>Immunity</i> , 2016, 45, 333-345.	6.6	92
143	Immuno-PET identifies the myeloid compartment as a key contributor to the outcome of the antitumor response under PD-1 blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16971-16980.	3.3	92
144	Cognate Stimulatory B-Cell-T-Cell Interactions Are Critical for T-Cell Help Recruited by Glycoconjugate Vaccines. <i>Infection and Immunity</i> , 1999, 67, 6375-6384.	1.0	90

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145	Induction of autoimmune disease in CTLA-4 <sup>-/-</sup> mice depends on a specific CD28 motif that is required for <i>in vivo</i> costimulation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13756-13761.	3.3	85
146	Immune checkpoint inhibitor-associated myocarditis: manifestations and mechanisms. Journal of Clinical Investigation, 2021, 131, .	3.9	84
147	Emerging concepts in PD-1 checkpoint biology. Seminars in Immunology, 2021, 52, 101480.	2.7	84
148	A genetic map of reovirus II. Assignment of the double-stranded RNA-positive mutant groups A, B, and G to genome segments. Virology, 1978, 85, 545-556.	1.1	82
149	Programmed death ligand-1 expression on donor T cells drives graft-versus-host disease lethality. Journal of Clinical Investigation, 2016, 126, 2642-2660.	3.9	81
150	irRECIST for the Evaluation of Candidate Biomarkers of Response to Nivolumab in Metastatic Clear Cell Renal Cell Carcinoma: Analysis of a Phase II Prospective Clinical Trial. Clinical Cancer Research, 2019, 25, 2174-2184.	3.2	80
151	A negative regulatory function of B7 revealed in B7-1 transgenic mice. Immunity, 1994, 1, 415-421.	6.6	79
152	ICOS/ICOSL Interaction Is Required for CD4+ Invariant NKT Cell Function and Homeostatic Survival. Journal of Immunology, 2008, 180, 5448-5456.	0.4	79
153	PD-L1 and PD-L2 have distinct roles in regulating host immunity to cutaneous leishmaniasis. European Journal of Immunology, 2006, 36, 58-64.	1.6	78
154	A CRISPR-Cas9 delivery system for <i>in vivo</i> screening of genes in the immune system. Nature Communications, 2019, 10, 1668.	5.8	78
155	Tumor cells dictate anti-tumor immune responses by altering pyruvate utilization and succinate signaling in CD8+ T cells. Cell Metabolism, 2022, 34, 1137-1150.e6.	7.2	78
156	Targeted reconstruction of T cell receptor sequence from single cell RNA-seq links CDR3 length to T cell differentiation state. Nucleic Acids Research, 2017, 45, e148-e148.	6.5	77
157	B7-dependent T-cell costimulation in mice lacking CD28 and CTLA4. Journal of Clinical Investigation, 2001, 107, 881-887.	3.9	76
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