Arlene H Sharpe

List of Publications by Year
in descending order

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299	72,360	997 114	613 259
papers	citations	h-index	g-index

308	308	308	59727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PD-1 and Its Ligands in Tolerance and Immunity. Annual Review of Immunology, 2008, 26, 677-704.	21.8	4,462
2	Restoring function in exhausted CD8 T cells during chronic viral infection. Nature, 2006, 439, 682-687.	27.8	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.	14.3	2,628
4	PD-L2 is a second ligand for PD-1 and inhibits T cell activation. Nature Immunology, 2001, 2, 261-268.	14.5	2,504
5	THE B7 FAMILY REVISITED. Annual Review of Immunology, 2005, 23, 515-548.	21.8	2,104
6	p63 is essential for regenerative proliferation in limb, craniofacial and epithelial development. Nature, 1999, 398, 714-718.	27.8	2,082
7	The PDâ€1 pathway in tolerance and autoimmunity. Immunological Reviews, 2010, 236, 219-242.	6.0	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.	14.3	1,884
9	PD-L1 regulates the development, maintenance, and function of induced regulatory T cells. Journal of Experimental Medicine, 2009, 206, 3015-3029.	8.5	1,711
10	Checkpoint blockade cancer immunotherapy targets tumour-specific mutant antigens. Nature, 2014, 515, 577-581.	27.8	1,705
11	The B7â€“CD28 superfamily. Nature Reviews Immunology, 2002, 2, 116-126.	22.7	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.	14.3	1,464
13	Defining CD8+ T cells that provide the proliferative burst after PD-1 therapy. Nature, 2016, 537, 417-421.	27.8	1,371
14	The function of programmed cell death 1 and its ligands in regulating autoimmunity and infection. Nature Immunology, 2007, 8, 239-245.	14.5	1,286
15	The diverse functions of the PD1 inhibitory pathway. Nature Reviews Immunology, 2018, 18, 153-167.	22.7	1,210
16	Subsets of exhausted CD8+ T cells differentially mediate tumor control and respond to checkpoint blockade. Nature Immunology, 2019, 20, 326-336.	14.5	1,148
17	Tissue expression of PD-L1 mediates peripheral T cell tolerance. Journal of Experimental Medicine, 2006, 203, 883-895.	8.5	1,042
18	Defining â€˜T cell exhaustionâ€™. Nature Reviews Immunology, 2019, 19, 665-674.	22.7	879

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19	In vivo CRISPR screening identifies Ptpn2 as a cancer immunotherapy target. Nature, 2017, 547, 413-418.	27.8	792
20	Analysis of Immune Signatures in Longitudinal Tumor Samples Yields Insight into Biomarkers of Response and Mechanisms of Resistance to Immune Checkpoint Blockade. Cancer Discovery, 2016, 6, 827-837.	9.4	785
21	Rescue of exhausted CD8 T cells by PD-1â€“targeted therapies is CD28-dependent. Science, 2017, 355, 1423-1427.	12.6	753
22	Antigen-specific regulatory T cells develop via the ICOSâ€“ICOS-ligand pathway and inhibit allergen-induced airway hyperreactivity. Nature Medicine, 2002, 8, 1024-1032.	30.7	728
23	Coinhibitory Pathways in Immunotherapy for Cancer. Annual Review of Immunology, 2016, 34, 539-573.	21.8	718
24	Treg Cells Expressing the Coinhibitory Molecule TIGIT Selectively Inhibit Proinflammatory Th1 and Th17 Cell Responses. Immunity, 2014, 40, 569-581.	14.3	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. Nature Immunology, 2009, 10, 167-175.	14.5	645
26	PD-L1 on tumor cells is sufficient for immune evasion in immunogenic tumors and inhibits CD8 T cell cytotoxicity. Journal of Experimental Medicine, 2017, 214, 895-904.	8.5	614
27	ICOS is critical for CD40-mediated antibody class switching. Nature, 2001, 409, 102-105.	27.8	597
28	Lethal Î²-thalassaemia in mice lacking the erythroid CACCC-transcription factor EKLF. Nature, 1995, 375, 318-322.	27.8	587
29	PD-1 regulates germinal center B cell survival and the formation and affinity of long-lived plasma cells. Nature Immunology, 2010, 11, 535-542.	14.5	583
30	PD-L1-deficient mice show that PD-L1 on T cells, antigen-presenting cells, and host tissues negatively regulates T cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10691-10696.	7.1	556
31	Regulation of PD-1, PD-L1, and PD-L2 expression during normal and autoimmune responses. European Journal of Immunology, 2003, 33, 2706-2716.	2.9	551
32	TIM-1 and TIM-4 Glycoproteins Bind Phosphatidylserine and Mediate Uptake of Apoptotic Cells. Immunity, 2007, 27, 927-940.	14.3	536
33	Melanoma Cell-Intrinsic PD-1 Receptor Functions Promote Tumor Growth. Cell, 2015, 162, 1242-1256.	28.9	507
34	Induction of B7-1 in podocytes is associated with nephrotic syndrome. Journal of Clinical Investigation, 2004, 113, 1390-1397.	8.2	495
35	Interplay of somatic alterations and immune infiltration modulates response to PD-1 blockade in advanced clear cell renal cell carcinoma. Nature Medicine, 2020, 26, 909-918.	30.7	488
36	B7-1 and B7-2 Have Overlapping, Critical Roles in Immunoglobulin Class Switching and Germinal Center Formation. Immunity, 1997, 6, 303-313.	14.3	479

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37	LSD1 Ablation Stimulates Anti-tumor Immunity and Enables Checkpoint Blockade. Cell, 2018, 174, 549-563.e19.	28.9	473
38	Coinhibitory Pathways in the B7-CD28 Ligand-Receptor Family. Immunity, 2016, 44, 955-972.	14.3	462
39	Cutting Edge: TIGIT Has T Cell-Intrinsic Inhibitory Functions. Journal of Immunology, 2011, 186, 1338-1342.	0.8	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. Journal of Immunology, 2009, 183, 797-801.	0.8	443
41	The receptor PD-1 controls follicular regulatory T cells in the lymph nodes and blood. Nature Immunology, 2013, 14, 152-161.	14.5	428
42	Endothelial expression of PDâ€Ł1 and PDâ€Ł2 downâ€regulates CD8⁺ T cell activation and cytolysis. European Journal of Immunology, 2003, 33, 3117-3126.	2.9	413
43	Mouse Inducible Costimulatory Molecule (ICOS) Expression Is Enhanced by CD28 Costimulation and Regulates Differentiation of CD4+ T Cells. Journal of Immunology, 2000, 165, 5035-5040.	0.8	400
44	CTLA-4 Regulates Induction of Anergy In Vivo. Immunity, 2001, 14, 145-155.	14.3	397
45	Heparin is essential for the storage of specific granule proteases in mast cells. Nature, 1999, 400, 769-772.	27.8	394
46	PD-1 and its ligands in T-cell immunity. Current Opinion in Immunology, 2007, 19, 309-314.	5.5	388
47	Reinvigorating exhausted HIV-specific T cells via PD-1â€“PD-1 ligand blockade. Journal of Experimental Medicine, 2006, 203, 2223-2227.	8.5	374
48	Uncovering of functional alternative CTLA-4 counter-receptor in B7-deficient mice. Science, 1993, 262, 907-909.	12.6	368
49	Blockade of CTLA-4 on CD4+CD25+ Regulatory T Cells Abrogates Their Function In Vivo. Journal of Immunology, 2006, 177, 4376-4383.	0.8	368
50	Genetic absence of PD-1 promotes accumulation of terminally differentiated exhausted CD8+ T cells. Journal of Experimental Medicine, 2015, 212, 1125-1137.	8.5	368
51	The Coinhibitory Receptor CTLA-4 Controls B Cell Responses by Modulating T Follicular Helper, T Follicular Regulatory, and T Regulatory Cells. Immunity, 2014, 41, 1026-1039.	14.3	355
52	Control of PI(3) kinase in Treg cells maintains homeostasis and lineage stability. Nature Immunology, 2015, 16, 188-196.	14.5	347
53	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. Cell, 2020, 183, 1848-1866.e26.	28.9	347
54	Glioblastoma Eradication Following Immune Checkpoint Blockade in an Orthotopic, Immunocompetent Model. Cancer Immunology Research, 2016, 4, 124-135.	3.4	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.	7.1	327
56	CD39 Expression Identifies Terminally Exhausted CD8+ T Cells. PLoS Pathogens, 2015, 11, e1005177.	4.7	296
57	Ox40-Ligand Has a Critical Costimulatory Role in Dendritic Cell:T Cell Interactions. Immunity, 1999, 11, 689-698.	14.3	293
58	Mechanisms of costimulation. Immunological Reviews, 2009, 229, 5-11.	6.0	293
59	Mitochondrial Biogenesis and Proteome Remodeling Promote One-Carbon Metabolism for T Cell Activation. Cell Metabolism, 2016, 24, 104-117.	16.2	282
60	The role of B7 co-stimulation in activation and differentiation ofCD4+and CD8+T cells. Immunological Reviews, 1998, 165, 231-247.	6.0	271
61	T follicular regulatory cells in the regulation of B cell responses. Trends in Immunology, 2015, 36, 410-418.	6.8	261
62	T follicular regulatory cells. Immunological Reviews, 2016, 271, 246-259.	6.0	261
63	Spatially organized multicellular immune hubs in human colorectal cancer. Cell, 2021, 184, 4734-4752.e20.	28.9	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.	14.3	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.	8.5	249
66	Progressive immune dysfunction with advancing disease stage in renal cell carcinoma. Cancer Cell, 2021, 39, 632-648.e8.	16.8	230
67	Response to BRAF Inhibition in Melanoma Is Enhanced When Combined with Immune Checkpoint Blockade. Cancer Immunology Research, 2014, 2, 643-654.	3.4	226
68	Endothelial Programmed Death-1 Ligand 1 (PD-L1) Regulates CD8⁺T-Cellâ€“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.	0.8	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.	0.8	216
71	Circulating T follicular regulatory and helper cells have memory-like properties. Journal of Clinical Investigation, 2014, 124, 5191-5204.	8.2	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.	0.8	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.	7.1	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.	28.9	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.	14.3	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.	8.5	193
78	T-Cell Costimulation â€" Biology, Therapeutic Potential, and Challenges. New England Journal of Medicine, 2006, 355, 973-975.	27.0	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.	2.4	189
80	Suppression by TFR cells leads to durable and selective inhibition of B cell effector function. Nature Immunology, 2016, 17, 1436-1446.	14.5	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.	8.5	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.	8.5	182
83	Adverse Events Following Cancer Immunotherapy: Obstacles and Opportunities. Trends in Immunology, 2019, 40, 511-523.	6.8	180
84	Follicular regulatory T cells control humoral and allergic immunity by restraining early B cell responses. Nature Immunology, 2019, 20, 1360-1371.	14.5	176
85	The aging lung: Physiology, disease, and immunity. Cell, 2021, 184, 1990-2019.	28.9	175
86	Proatherogenic immune responses are regulated by the PD-1/PD-L pathway in mice. Journal of Clinical Investigation, 2007, 117, 2974-2982.	8.2	174
87	The PTEN pathway in T _{regs} is a critical driver of the suppressive tumor microenvironment. Science Advances, 2015, 1, e1500845.	10.3	167
88	Genetics of reovirus: Identification of the ds RNA segments encoding the polypeptides of the Î¼ and ï*f* size classes. Virology, 1978, 89, 594-604.	2.4	166
89	Prevention and treatment of factor VIII inhibitors in murine hemophilia A. Blood, 2000, 95, 1324-1329.	1.4	165
90	The inhibitory function of B7 costimulators in T cell responses to foreign and self-antigens. Nature Immunology, 2003, 4, 664-669.	14.5	161

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91	Roles of CD48 in regulating immunity and tolerance. Clinical Immunology, 2016, 164, 10-20.	3.2	160
92	The Programmed Death-1 Ligand 1:B7-1 Pathway Restrains Diabetogenic Effector T Cells In Vivo. Journal of Immunology, 2011, 187, 1097-1105.	0.8	159
93	Programmed Death Ligand 1 Regulates a Critical Checkpoint for Autoimmune Myocarditis and Pneumonitis in MRL Mice. Journal of Immunology, 2008, 181, 2513-2521.	0.8	157
94	Host programmed death ligand 1 is dominant over programmed death ligand 2 expression in regulating graft-versus-host disease lethality. Blood, 2013, 122, 3062-3073.	1.4	156
95	Antigen-specific CD4 T-cell help rescues exhausted CD8 T cells during chronic viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21182-21187.	7.1	155
96	The Cell Surface Receptor SLAM Controls T Cell and Macrophage Functions. Journal of Experimental Medicine, 2004, 199, 1255-1264.	8.5	153
97	Type 2 innate lymphoid cell suppression by regulatory TÂcells attenuates airway hyperreactivity and requires inducible T-cell costimulatorâ€“inducible T-cell costimulator ligand interaction. Journal of Allergy and Clinical Immunology, 2017, 139, 1468-1477.e2.	2.9	153
98	Negative co-receptors on lymphocytes. Current Opinion in Immunology, 2002, 14, 391-396.	5.5	152
99	Introduction to checkpoint inhibitors and cancer immunotherapy. Immunological Reviews, 2017, 276, 5-8.	6.0	151
100	PD-1 restraint of regulatory T cell suppressive activity is critical for immune tolerance. Journal of Experimental Medicine, 2021, 218, .	8.5	151
101	PD-1 Dependent Exhaustion of CD8+ T Cells Drives Chronic Malaria. Cell Reports, 2013, 5, 1204-1213.	6.4	147
102	CTLA-4 Controls Regulatory T Cell Peripheral Homeostasis and Is Required for Suppression of Pancreatic Islet Autoimmunity. Journal of Immunology, 2009, 182, 274-282.	0.8	144
103	PTPN2 regulates the generation of exhausted CD8+ T cell subpopulations and restrains tumor immunity. Nature Immunology, 2019, 20, 1335-1347.	14.5	142
104	Analysis of the Role of Negative T Cell Costimulatory Pathways in CD4 and CD8 T Cell-Mediated Alloimmune Responses In Vivo. Journal of Immunology, 2005, 174, 6648-6656.	0.8	139
105	B7-1 or B7-2 Is Required to Produce the Lymphoproliferative Phenotype in Mice Lacking Cytotoxic T Lymphocyteâ€“associated Antigen 4 (CTLA-4). Journal of Experimental Medicine, 1999, 189, 435-440.	8.5	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. Journal of Immunology, 2000, 164, 136-143.	0.8	136
107	Stimulation of the B Cell Receptor, CD86 (B7-2), and the Î²2-Adrenergic Receptor Intrinsically Modulates the Level of IgG1 and IgE Produced per B Cell. Journal of Immunology, 2000, 165, 680-690.	0.8	134
108	B7-1/B7-2 Costimulation Regulates Plaque Antigenâ€“Specific T-Cell Responses and Atherogenesis in Low-Density Lipoprotein Receptorâ€“Deficient Mice. Circulation, 2004, 109, 2009-2015.	1.6	133

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109	The B7/CD28 costimulatory family in autoimmunity. Immunological Reviews, 2005, 204, 128-143.	6.0	129
110	PD-L1 has distinct functions in hematopoietic and nonhematopoietic cells in regulating T cell responses during chronic infection in mice. Journal of Clinical Investigation, 2010, 120, 2508-2515.	8.2	129
111	CD80+Gr-1+ Myeloid Cells Inhibit Development of Antifungal Th1 Immunity in Mice with Candidiasis. Journal of Immunology, 2002, 169, 3180-3190.	0.8	126
112	Role of PD-1 in regulating acute infections. Current Opinion in Immunology, 2010, 22, 397-401.	5.5	125
113	T-Cell Costimulation and Coinhibition in Atherosclerosis. Circulation Research, 2008, 103, 1220-1231.	4.5	123
114	Programmed Death-1 (PD-1):PD-Ligand 1 Interactions Inhibit TCR-Mediated Positive Selection of Thymocytes. Journal of Immunology, 2005, 175, 7372-7379.	0.8	122
115	The threshold pattern of calcineurin-dependent gene expression is altered by loss of the endogenous inhibitor calcipressin. Nature Immunology, 2003, 4, 874-881.	14.5	120
116	Role of the host cell in persistent viral infection: Coevolution of L cells and reovirus during persistent infection. Cell, 1981, 25, 325-332.	28.9	119
117	B7 Expression on T Cells Down-Regulates Immune Responses through CTLA-4 Ligation via R-T Interactions. Journal of Immunology, 2004, 172, 34-39.	0.8	118
118	T Cell Activation Depends on Extracellular Alanine. Cell Reports, 2019, 28, 3011-3021.e4.	6.4	117
119	CTLA-4 regulates cell cycle progression during a primary immune response. European Journal of Immunology, 2002, 32, 366-373.	2.9	115
120	The Novel Costimulatory Programmed Death Ligand 1/B7.1 Pathway Is Functional in Inhibiting Alloimmune Responses In Vivo. Journal of Immunology, 2011, 187, 1113-1119.	0.8	115
121	The interaction of mammalian reoviruses with the cytoskeleton of monkey kidney CV-1 cells. Virology, 1982, 120, 399-411.	2.4	114
122	PD-L1 Antibodies to Its Cytoplasmic Domain Most Clearly Delineate Cell Membranes in Immunohistochemical Staining of Tumor Cells. Cancer Immunology Research, 2015, 3, 1308-1315.	3.4	114
123	The role of the ICOS-B7h T cell costimulatory pathway in transplantation immunity. Journal of Clinical Investigation, 2003, 112, 234-243.	8.2	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). Blood, 2005, 105, 3372-3380.	1.4	113
125	Not-so-opposite ends of the spectrum: CD8+ T cell dysfunction across chronic infection, cancer and autoimmunity. Nature Immunology, 2021, 22, 809-819.	14.5	113
126	Defective TFH Cell Function and Increased TFR Cells Contribute to Defective Antibody Production in Aging. Cell Reports, 2015, 12, 163-171.	6.4	112

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127	Inhibitors of the PD-1 Pathway in Tumor Therapy. Journal of Immunology, 2018, 200, 375-383.	0.8	112
128	A genetic map of reovirus I. Correlation of genome RNAs between serotypes 1, 2, and 3. Virology, 1978, 84, 63-74.	2.4	110
129	CD28-independent Costimulation of T Cells in Alloimmune Responses. Journal of Immunology, 2001, 167, 140-146.	0.8	109
130	Intestinal Tolerance Is Converted to Autoimmune Enteritis upon PD-1 Ligand Blockade. Journal of Immunology, 2009, 182, 2102-2112.	0.8	105
131	Deletion of a conserved Il4 silencer impairs T helper type 1â€“mediated immunity. Nature Immunology, 2004, 5, 1251-1259.	14.5	103
132	The Role of LAT in Increased CD8 ⁺ T Cell Exhaustion in Trigeminal Ganglia of Mice Latently Infected with Herpes Simplex Virus 1. Journal of Virology, 2011, 85, 4184-4197.	3.4	103
133	The Function of Donor versus Recipient Programmed Death-Ligand 1 in Corneal Allograft Survival. Journal of Immunology, 2007, 179, 3672-3679.	0.8	101
134	PD-1 pathway regulates ILC2 metabolism and PD-1 agonist treatment ameliorates airway hyperreactivity. Nature Communications, 2020, 11, 3998.	12.8	101
135	Concurrent Dexamethasone Limits the Clinical Benefit of Immune Checkpoint Blockade in Glioblastoma. Clinical Cancer Research, 2021, 27, 276-287.	7.0	100
136	CD80 Expression on B Cells Regulates Murine T Follicular Helper Development, Germinal Center B Cell Survival, and Plasma Cell Generation. Journal of Immunology, 2012, 188, 4217-4225.	0.8	98
137	BRAF inhibition is associated with increased clonality in tumor-infiltrating lymphocytes. OncoImmunology, 2013, 2, e26615.	4.6	97
138	A genetic map of reovirus II. Assignment of the double-stranded RNA-negative mutant groups C, D, and E to genome segments. Virology, 1978, 85, 531-544.	2.4	96
139	Costimulation and autoimmunity. Current Opinion in Immunology, 1996, 8, 822-830.	5.5	96
140	Dendritic Cell PD-L1 Limits Autoimmunity and Follicular T Cell Differentiation and Function. Journal of Immunology, 2018, 200, 2592-2602.	0.8	96
141	Defective respiration and one-carbon metabolism contribute to impaired naÃ¯ve T cell activation in aged mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13347-13352.	7.1	93
142	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4 + T Cell Immunity. Immunity, 2016, 45, 333-345.	14.3	92
143	Immuno-PET identifies the myeloid compartment as a key contributor to the outcome of the antitumor response under PD-1 blockade. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16971-16980.	7.1	92
144	Cognate Stimulatory B-Cellâ€“T-Cell Interactions Are Critical for T-Cell Help Recruited by Glycoconjugate Vaccines. Infection and Immunity, 1999, 67, 6375-6384.	2.2	90

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145	Induction of autoimmune disease in CTLA-4^{â^'/â^'}mice depends on a specific CD28 motif that is required forin vivocostimulation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13756-13761.	7.1	85
146	Immune checkpoint inhibitorâ€“associated myocarditis: manifestations and mechanisms. Journal of Clinical Investigation, 2021, 131, .	8.2	84
147	Emerging concepts in PD-1 checkpoint biology. Seminars in Immunology, 2021, 52, 101480.	5.6	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.	2.4	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.	8.2	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.	7.0	80
151	A negative regulatory function of B7 revealed in B7-1 transgenic mice. Immunity, 1994, 1, 415-421.	14.3	79
152	ICOS/ICOSL Interaction Is Required for CD4+ Invariant NKT Cell Function and Homeostatic Survival. Journal of Immunology, 2008, 180, 5448-5456.	0.8	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.	2.9	78
154	A CRISPR-Cas9 delivery system for in vivo screening of genes in the immune system. Nature Communications, 2019, 10, 1668.	12.8	78
155	Tumor cells dictate anti-tumor immune responses by altering pyruvate utilization and succinate signaling in CD8+ TÂcells. Cell Metabolism, 2022, 34, 1137-1150.e6.	16.2	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.	14.5	77
157	B7-dependent T-cell costimulation in mice lacking CD28 and CTLA4. Journal of Clinical Investigation, 2001, 107, 881-887.	8.2	76
158	Costimulation by B7-1 and B7-2 Is Required for Autoimmune Disease in MRL-FaslprMice. Journal of Immunology, 2000, 164, 6046-6056.	0.8	75
159	A Role for the B7-1/B7-2:CD28/CTLA-4 Pathway During Negative Selection. Journal of Immunology, 2003, 170, 5421-5428.	0.8	74
160	The ICOS Molecule Plays a Crucial Role in the Development of Mucosal Tolerance. Journal of Immunology, 2005, 175, 7341-7347.	0.8	74
161	Pharmacologic Screening Identifies Metabolic Vulnerabilities of CD8+ T Cells. Cancer Immunology Research, 2021, 9, 184-199.	3.4	74
162	Single-cell analyses identify circulating anti-tumor CD8 T cells and markers for their enrichment. Journal of Experimental Medicine, 2021, 218, .	8.5	74

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163	Reciprocal expression of co-stimulatory molecules, B7-1 and B7-2, on murine T cells following activation. European Journal of Immunology, 1995, 25, 207-211.	2.9	73
164	The B7â€“CD28/CTLA-4 costimulatory pathways in autoimmune disease of the central nervous system. Current Opinion in Immunology, 1999, 11, 677-683.	5.5	73
165	Programmed Death 1 Ligand (PD-L) 1 and PD-L2 Limit Autoimmune Kidney Disease: Distinct Roles. Journal of Immunology, 2007, 179, 7466-7477.	0.8	73
166	The PD-1 Pathway Regulates Development and Function of Memory CD8+ T Cells following Respiratory Viral Infection. Cell Reports, 2020, 31, 107827.	6.4	72
167	CTLA-4 Ablation and Interleukin-12â€“Driven Differentiation Synergistically Augment Cardiac Pathogenicity of Cytotoxic T Lymphocytes. Circulation Research, 2007, 101, 248-257.	4.5	71
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