

Arlene H Sharpe

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

284 papers	55,499 citations	105 h-index	234 g-index
308 ext. papers	64,961 ext. citations	14.3 avg, IF	7.73 L-index

#	Paper	IF	Citations
284	PD-1 and its ligands in tolerance and immunity. <i>Annual Review of Immunology</i> , 2008 , 26, 677-704	34.7	3557
283	Restoring function in exhausted CD8 T cells during chronic viral infection. <i>Nature</i> , 2006 , 439, 682-7	50.4	2903
282	Loss of CTLA-4 leads to massive lymphoproliferation and fatal multiorgan tissue destruction, revealing a critical negative regulatory role of CTLA-4. <i>Immunity</i> , 1995 , 3, 541-7	32.3	2277
281	PD-L2 is a second ligand for PD-1 and inhibits T cell activation. <i>Nature Immunology</i> , 2001 , 2, 261-8	19.1	2040
280	The B7 family revisited. <i>Annual Review of Immunology</i> , 2005 , 23, 515-48	34.7	1861
279	p63 is essential for regenerative proliferation in limb, craniofacial and epithelial development. <i>Nature</i> , 1999 , 398, 714-8	50.4	1858
278	B7/CD28 costimulation is essential for the homeostasis of the CD4+CD25+ immunoregulatory T cells that control autoimmune diabetes. <i>Immunity</i> , 2000 , 12, 431-40	32.3	1709
277	The PD-1 pathway in tolerance and autoimmunity. <i>Immunological Reviews</i> , 2010 , 236, 219-42	11.3	1437
276	PD-L1 regulates the development, maintenance, and function of induced regulatory T cells. <i>Journal of Experimental Medicine</i> , 2009 , 206, 3015-29	16.6	1384
275	Checkpoint blockade cancer immunotherapy targets tumour-specific mutant antigens. <i>Nature</i> , 2014 , 515, 577-81	50.4	1331
274	The B7-CD28 superfamily. <i>Nature Reviews Immunology</i> , 2002 , 2, 116-26	36.5	1314
273	Programmed death-1 ligand 1 interacts specifically with the B7-1 costimulatory molecule to inhibit T cell responses. <i>Immunity</i> , 2007 , 27, 111-22	32.3	1206
272	The function of programmed cell death 1 and its ligands in regulating autoimmunity and infection. <i>Nature Immunology</i> , 2007 , 8, 239-45	19.1	1048
271	Tissue expression of PD-L1 mediates peripheral T cell tolerance. <i>Journal of Experimental Medicine</i> , 2006 , 203, 883-95	16.6	875
270	Defining CD8+ T cells that provide the proliferative burst after PD-1 therapy. <i>Nature</i> , 2016 , 537, 417-421	50.4	834
269	Antigen-specific regulatory T cells develop via the ICOS-ICOS-ligand pathway and inhibit allergen-induced airway hyperreactivity. <i>Nature Medicine</i> , 2002 , 8, 1024-32	50.5	672
268	The diverse functions of the PD1 inhibitory pathway. <i>Nature Reviews Immunology</i> , 2018 , 18, 153-167	36.5	665

267	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, 827-37	24.4	561
266	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, 167-75	19.1	557
265	ICOS is critical for CD40-mediated antibody class switching. <i>Nature</i> , 2001 , 409, 102-5	50.4	550
264	Lethal beta-thalassaemia in mice lacking the erythroid CACCC-transcription factor EKLF. <i>Nature</i> , 1995 , 375, 318-22	50.4	543
263	Subsets of exhausted CD8 T cells differentially mediate tumor control and respond to checkpoint blockade. <i>Nature Immunology</i> , 2019 , 20, 326-336	19.1	522
262	In vivo CRISPR screening identifies Ptpn2 as a cancer immunotherapy target. <i>Nature</i> , 2017 , 547, 413-418	50.4	510
261	Coinhibitory Pathways in Immunotherapy for Cancer. <i>Annual Review of Immunology</i> , 2016 , 34, 539-73	34.7	507
260	PD-1 regulates germinal center B cell survival and the formation and affinity of long-lived plasma cells. <i>Nature Immunology</i> , 2010 , 11, 535-42	19.1	490
259	Rescue of exhausted CD8 T cells by PD-1-targeted therapies is CD28-dependent. <i>Science</i> , 2017 , 355, 1423-1427	33.1	486
258	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, 10691-6	11.5	474
257	TIM-1 and TIM-4 glycoproteins bind phosphatidylserine and mediate uptake of apoptotic cells. <i>Immunity</i> , 2007 , 27, 927-40	32.3	461
256	Treg cells expressing the coinhibitory molecule TIGIT selectively inhibit proinflammatory Th1 and Th17 cell responses. <i>Immunity</i> , 2014 , 40, 569-81	32.3	456
255	Regulation of PD-1, PD-L1, and PD-L2 expression during normal and autoimmune responses. <i>European Journal of Immunology</i> , 2003 , 33, 2706-16	6.1	456
254	B7-1 and B7-2 have overlapping, critical roles in immunoglobulin class switching and germinal center formation. <i>Immunity</i> , 1997 , 6, 303-13	32.3	438
253	Induction of B7-1 in podocytes is associated with nephrotic syndrome. <i>Journal of Clinical Investigation</i> , 2004 , 113, 1390-7	15.9	408
252	Defining T cell exhaustionS <i>Nature Reviews Immunology</i> , 2019 , 19, 665-674	36.5	387
251	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	16.6	382
250	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	5.3	378

249	Melanoma Cell-Intrinsic PD-1 Receptor Functions Promote Tumor Growth. <i>Cell</i> , 2015 , 162, 1242-56	56.2	365
248	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, 5035-40	5.3	365
247	Heparin is essential for the storage of specific granule proteases in mast cells. <i>Nature</i> , 1999 , 400, 769-72	50.4	364
246	CTLA-4 regulates induction of anergy in vivo. <i>Immunity</i> , 2001 , 14, 145-55	32.3	359
245	Endothelial expression of PD-L1 and PD-L2 down-regulates CD8+ T cell activation and cytotoxicity. <i>European Journal of Immunology</i> , 2003 , 33, 3117-26	6.1	350
244	The receptor PD-1 controls follicular regulatory T cells in the lymph nodes and blood. <i>Nature Immunology</i> , 2013 , 14, 152-61	19.1	340
243	Reinvigorating exhausted HIV-specific T cells via PD-1-PD-1 ligand blockade. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2223-7	16.6	333
242	PD-1 and its ligands in T-cell immunity. <i>Current Opinion in Immunology</i> , 2007 , 19, 309-14	7.8	329
241	Uncovering of functional alternative CTLA-4 counter-receptor in B7-deficient mice. <i>Science</i> , 1993 , 262, 907-9	33.3	326
240	Blockade of CTLA-4 on CD4+CD25+ regulatory T cells abrogates their function in vivo. <i>Journal of Immunology</i> , 2006 , 177, 4376-83	5.3	320
239	Coinhibitory Pathways in the B7-CD28 Ligand-Receptor Family. <i>Immunity</i> , 2016 , 44, 955-72	32.3	315
238	Cutting edge: TIGIT has T cell-intrinsic inhibitory functions. <i>Journal of Immunology</i> , 2011 , 186, 1338-42	5.3	307
237	Control of PI(3) kinase in Treg cells maintains homeostasis and lineage stability. <i>Nature Immunology</i> , 2015 , 16, 188-96	19.1	270
236	Ox40-ligand has a critical costimulatory role in dendritic cell:T cell interactions. <i>Immunity</i> , 1999 , 11, 689-98	32.3	266
235	LSD1 Ablation Stimulates Anti-tumor Immunity and Enables Checkpoint Blockade. <i>Cell</i> , 2018 , 174, 549-563	56.2	264
234	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, 1026-39	32.3	263
233	The role of B7 co-stimulation in activation and differentiation of CD4+ and CD8+ T cells. <i>Immunological Reviews</i> , 1998 , 165, 231-47	11.3	251
232	Genetic absence of PD-1 promotes accumulation of terminally differentiated exhausted CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1125-37	16.6	242

231	Glioblastoma Eradication Following Immune Checkpoint Blockade in an Orthotopic, Immunocompetent Model. <i>Cancer Immunology Research</i> , 2016 , 4, 124-35	12.5	236
230	Mechanisms of costimulation. <i>Immunological Reviews</i> , 2009 , 229, 5-11	11.3	235
229	T follicular regulatory cells. <i>Immunological Reviews</i> , 2016 , 271, 246-59	11.3	215
228	ICOS:ICOS-ligand interaction is required for type 2 innate lymphoid cell function, homeostasis, and induction of airway hyperreactivity. <i>Immunity</i> , 2015 , 42, 538-51	32.3	200
227	Response to BRAF inhibition in melanoma is enhanced when combined with immune checkpoint blockade. <i>Cancer Immunology Research</i> , 2014 , 2, 643-54	12.5	190
226	T follicular regulatory cells in the regulation of B cell responses. <i>Trends in Immunology</i> , 2015 , 36, 410-8	14.4	188
225	Impaired regulatory T-cell response and enhanced atherosclerosis in the absence of inducible costimulatory molecule. <i>Circulation</i> , 2006 , 114, 2047-55	16.7	187
224	Viral targeting of fibroblastic reticular cells contributes to immunosuppression and persistence during chronic infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15430-5	11.5	184
223	Studies in B7-deficient mice reveal a critical role for B7 costimulation in both induction and effector phases of experimental autoimmune encephalomyelitis. <i>Journal of Experimental Medicine</i> , 1999 , 190, 733-40	16.6	183
222	CD39 Expression Identifies Terminally Exhausted CD8+ T Cells. <i>PLoS Pathogens</i> , 2015 , 11, e1005177	7.6	183
221	RGMb is a novel binding partner for PD-L2 and its engagement with PD-L2 promotes respiratory tolerance. <i>Journal of Experimental Medicine</i> , 2014 , 211, 943-59	16.6	182
220	An autoimmune disease-associated CTLA-4 splice variant lacking the B7 binding domain signals negatively in T cells. <i>Immunity</i> , 2004 , 20, 563-75	32.3	180
219	PD-1 regulates self-reactive CD8+ T cell responses to antigen in lymph nodes and tissues. <i>Journal of Immunology</i> , 2007 , 179, 5064-70	5.3	179
218	Role of PD-1 during effector CD8 T cell differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4749-4754	11.5	178
217	Mitochondrial Biogenesis and Proteome Remodeling Promote One-Carbon Metabolism for T Cell Activation. <i>Cell Metabolism</i> , 2016 , 24, 104-17	24.6	178
216	T-cell costimulation--biology, therapeutic potential, and challenges. <i>New England Journal of Medicine</i> , 2006 , 355, 973-5	59.2	167
215	Circulating T follicular regulatory and helper cells have memory-like properties. <i>Journal of Clinical Investigation</i> , 2014 , 124, 5191-204	15.9	166
214	Endothelial programmed death-1 ligand 1 (PD-L1) regulates CD8+ T-cell mediated injury in the heart. <i>Circulation</i> , 2007 , 116, 2062-71	16.7	164

213	PD-1 protects against inflammation and myocyte damage in T cell-mediated myocarditis. <i>Journal of Immunology</i> , 2012 , 188, 4876-84	5.3	163
212	Crucial role of granulocytic myeloid-derived suppressor cells in the regulation of central nervous system autoimmune disease. <i>Journal of Immunology</i> , 2012 , 188, 1136-46	5.3	157
211	Prevention and treatment of factor VIII inhibitors in murine hemophilia A. <i>Blood</i> , 2000 , 95, 1324-1329	2.2	156
210	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	50.5	155
209	The inhibitory function of B7 costimulators in T cell responses to foreign and self-antigens. <i>Nature Immunology</i> , 2003 , 4, 664-9	19.1	155
208	Interplay between regulatory T cells and PD-1 in modulating T cell exhaustion and viral control during chronic LCMV infection. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1905-18	16.6	151
207	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, 3062-73	2.2	141
206	Negative co-receptors on lymphocytes. <i>Current Opinion in Immunology</i> , 2002 , 14, 391-6	7.8	135
205	The cell surface receptor SLAM controls T cell and macrophage functions. <i>Journal of Experimental Medicine</i> , 2004 , 199, 1255-64	16.6	134
204	Genetics of reovirus: identification of the ds RNA segments encoding the polypeptides of the mu and sigma size classes. <i>Virology</i> , 1978 , 89, 594-604	3.6	134
203	Suppression by T cells leads to durable and selective inhibition of B cell effector function. <i>Nature Immunology</i> , 2016 , 17, 1436-1446	19.1	134
202	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, 136-43	5.3	133
201	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, 21182-7	11.5	131
200	Deletion of CTLA-4 on regulatory T cells during adulthood leads to resistance to autoimmunity. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1603-21	16.6	128
199	The programmed death-1 ligand 1:B7-1 pathway restrains diabetogenic effector T cells in vivo. <i>Journal of Immunology</i> , 2011 , 187, 1097-105	5.3	128
198	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, 6648-56	5.3	127
197	Programmed death ligand 1 regulates a critical checkpoint for autoimmune myocarditis and pneumonitis in MRL mice. <i>Journal of Immunology</i> , 2008 , 181, 2513-21	5.3	124
196	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, 435-40	16.6	124

195	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	11.5	121
194	Proatherogenic immune responses are regulated by the PD-1/PD-L pathway in mice. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2974-82	15.9	119
193	Impairment of the programmed cell death-1 pathway increases atherosclerotic lesion development and inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1100-7	9.4	118
192	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, 680-90	5.3	118
191	Ctla-4 controls regulatory T cell peripheral homeostasis and is required for suppression of pancreatic islet autoimmunity. <i>Journal of Immunology</i> , 2009 , 182, 274-82	5.3	116
190	The B7/CD28 costimulatory family in autoimmunity. <i>Immunological Reviews</i> , 2005 , 204, 128-43	11.3	115
189	CD80+Gr-1+ myeloid cells inhibit development of antifungal Th1 immunity in mice with candidiasis. <i>Journal of Immunology</i> , 2002 , 169, 3180-90	5.3	114
188	The PTEN pathway in Tregs is a critical driver of the suppressive tumor microenvironment. <i>Science Advances</i> , 2015 , 1, e1500845	14.3	113
187	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. <i>Cell</i> , 2020 , 183, 1848-1866.e26	56.2	112
186	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, 2009-15	16.7	112
185	PD-1 dependent exhaustion of CD8+ T cells drives chronic malaria. <i>Cell Reports</i> , 2013 , 5, 1204-13	10.6	111
184	B7 expression on T cells down-regulates immune responses through CTLA-4 ligation via T-T interactions [corrections]. <i>Journal of Immunology</i> , 2004 , 172, 34-9	5.3	109
183	T-cell costimulation and coinhibition in atherosclerosis. <i>Circulation Research</i> , 2008 , 103, 1220-31	15.7	107
182	The role of the ICOS-B7h T cell costimulatory pathway in transplantation immunity. <i>Journal of Clinical Investigation</i> , 2003 , 112, 234-243	15.9	107
181	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, 2508-15	15.9	107
180	Programmed death-1 (PD-1):PD-ligand 1 interactions inhibit TCR-mediated positive selection of thymocytes. <i>Journal of Immunology</i> , 2005 , 175, 7372-9	5.3	105
179	Role of PD-1 in regulating acute infections. <i>Current Opinion in Immunology</i> , 2010 , 22, 397-401	7.8	104
178	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, 3372-80	2.2	104

177	CD28-independent costimulation of T cells in alloimmune responses. <i>Journal of Immunology</i> , 2001 , 167, 140-6	5.3	104
176	Introduction to checkpoint inhibitors and cancer immunotherapy. <i>Immunological Reviews</i> , 2017 , 276, 5-8	11.3	103
175	The threshold pattern of calcineurin-dependent gene expression is altered by loss of the endogenous inhibitor calcipressin. <i>Nature Immunology</i> , 2003 , 4, 874-81	19.1	103
174	The interaction of mammalian reoviruses with the cytoskeleton of monkey kidney CV-1 cells. <i>Virology</i> , 1982 , 120, 399-411	3.6	103
173	CTLA-4 regulates cell cycle progression during a primary immune response. <i>European Journal of Immunology</i> , 2002 , 32, 366-73	6.1	101
172	Deletion of a conserved IL4 silencer impairs T helper type 1-mediated immunity. <i>Nature Immunology</i> , 2004 , 5, 1251-9	19.1	100
171	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, 1113-9	5.3	99
170	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, 1308-15	12.5	96
169	Adverse Events Following Cancer Immunotherapy: Obstacles and Opportunities. <i>Trends in Immunology</i> , 2019 , 40, 511-523	14.4	94
168	Intestinal tolerance is converted to autoimmune enteritis upon PD-1 ligand blockade. <i>Journal of Immunology</i> , 2009 , 182, 2102-12	5.3	93
167	Follicular regulatory T cells control humoral and allergic immunity by restraining early B cell responses. <i>Nature Immunology</i> , 2019 , 20, 1360-1371	19.1	92
166	Role of the host cell in persistent viral infection: coevolution of L cells and reovirus during persistent infection. <i>Cell</i> , 1981 , 25, 325-32	56.2	91
165	The function of donor versus recipient programmed death-ligand 1 in corneal allograft survival. <i>Journal of Immunology</i> , 2007 , 179, 3672-9	5.3	88
164	A genetic map of reovirus. 1. Correlation of genome RNAs between serotypes 1, 2, and 3. <i>Virology</i> , 1978 , 84, 63-74	3.6	88
163	The role of LAT in increased CD8+ T cell exhaustion in trigeminal ganglia of mice latently infected with herpes simplex virus 1. <i>Journal of Virology</i> , 2011 , 85, 4184-97	6.6	87
162	Costimulation and autoimmunity. <i>Current Opinion in Immunology</i> , 1996 , 8, 822-30	7.8	86
161	Defective TFH Cell Function and Increased TFR Cells Contribute to Defective Antibody Production in Aging. <i>Cell Reports</i> , 2015 , 12, 163-71	10.6	82
160	Inhibitors of the PD-1 Pathway in Tumor Therapy. <i>Journal of Immunology</i> , 2018 , 200, 375-383	5.3	82

159	BRAF inhibition is associated with increased clonality in tumor-infiltrating lymphocytes. <i>Onc Immunology</i> , 2013 , 2, e26615	7.2	82
158	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, 531-4	3.6	78
157	Roles of CD48 in regulating immunity and tolerance. <i>Clinical Immunology</i> , 2016 , 164, 10-20	9	75
156	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, 4217-25	5.3	75
155	A negative regulatory function of B7 revealed in B7-1 transgenic mice. <i>Immunity</i> , 1994 , 1, 415-21	32.3	75
154	Cognate stimulatory B-cell-T-cell interactions are critical for T-cell help recruited by glycoconjugate vaccines. <i>Infection and Immunity</i> , 1999 , 67, 6375-84	3.7	75
153	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4(+) T Cell Immunity. <i>Immunity</i> , 2016 , 45, 333-45	32.3	73
152	Costimulation by B7-1 and B7-2 is required for autoimmune disease in MRL-Faslpr mice. <i>Journal of Immunology</i> , 2000 , 164, 6046-56	5.3	73
151	Induction of autoimmune disease in CTLA-4 ^{-/-} mice depends on a specific CD28 motif that is required for in vivo costimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13756-61	11.5	72
150	B7-dependent T-cell costimulation in mice lacking CD28 and CTLA4. <i>Journal of Clinical Investigation</i> , 2001 , 107, 881-7	15.9	70
149	Reciprocal expression of co-stimulatory molecules, B7-1 and B7-2, on murine T cells following activation. <i>European Journal of Immunology</i> , 1995 , 25, 207-11	6.1	69
148	PTPN2 regulates the generation of exhausted CD8 T cell subpopulations and restrains tumor immunity. <i>Nature Immunology</i> , 2019 , 20, 1335-1347	19.1	68
147	ICOS/ICOSL interaction is required for CD4 ⁺ invariant NKT cell function and homeostatic survival. <i>Journal of Immunology</i> , 2008 , 180, 5448-56	5.3	66
146	PD-L1 and PD-L2 have distinct roles in regulating host immunity to cutaneous leishmaniasis. <i>European Journal of Immunology</i> , 2006 , 36, 58-64	6.1	66
145	The ICOS molecule plays a crucial role in the development of mucosal tolerance. <i>Journal of Immunology</i> , 2005 , 175, 7341-7	5.3	66
144	The B7-CD28/CTLA-4 costimulatory pathways in autoimmune disease of the central nervous system. <i>Current Opinion in Immunology</i> , 1999 , 11, 677-83	7.8	65
143	A role for the B7-1/B7-2:CD28/CTLA-4 pathway during negative selection. <i>Journal of Immunology</i> , 2003 , 170, 5421-8	5.3	64
142	Physiologic control of IDO competence in splenic dendritic cells. <i>Journal of Immunology</i> , 2011 , 187, 2329-35	5.3	63

141	Programmed death 1 ligand (PD-L) 1 and PD-L2 limit autoimmune kidney disease: distinct roles. <i>Journal of Immunology</i> , 2007 , 179, 7466-77	5.3	63
140	Programmed death ligand-1 expression on donor T cells drives graft-versus-host disease lethality. <i>Journal of Clinical Investigation</i> , 2016 , 126, 2642-60	15.9	63
139	Dendritic Cell PD-L1 Limits Autoimmunity and Follicular T Cell Differentiation and Function. <i>Journal of Immunology</i> , 2018 , 200, 2592-2602	5.3	62
138	Genetic evidence that the differential expression of the ligand-independent isoform of CTLA-4 is the molecular basis of the Idd5.1 type 1 diabetes region in nonobese diabetic mice. <i>Journal of Immunology</i> , 2009 , 183, 5146-57	5.3	62
137	Targeted reconstruction of T cell receptor sequence from single cell RNA-seq links CDR3 length to T cell differentiation state. <i>Nucleic Acids Research</i> , 2017 , 45, e148	20.1	61
136	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	11.5	61
135	B7 costimulation is critical for antibody class switching and CD8(+) cytotoxic T-lymphocyte generation in the host response to vesicular stomatitis virus. <i>Journal of Virology</i> , 2000 , 74, 203-8	6.6	61
134	Cutting edge: CTLA-4 (CD152) differentially regulates mitogen-activated protein kinases (extracellular signal-regulated kinase and c-Jun N-terminal kinase) in CD4+ T cells from receptor/ligand-deficient mice. <i>Journal of Immunology</i> , 2002 , 169, 3475-9	5.3	58
133	CTLA-4 ablation and interleukin-12 driven differentiation synergistically augment cardiac pathogenicity of cytotoxic T lymphocytes. <i>Circulation Research</i> , 2007 , 101, 248-57	15.7	57
132	Complete sequence determination of the mouse and human CTLA4 gene loci: cross-species DNA sequence similarity beyond exon borders. <i>Genomics</i> , 1999 , 60, 341-55	4.3	57
131	Cutting edge: inducible costimulator protein regulates both Th1 and Th2 responses to cutaneous leishmaniasis. <i>Journal of Immunology</i> , 2002 , 168, 991-5	5.3	53
130	T Cell Activation Depends on Extracellular Alanine. <i>Cell Reports</i> , 2019 , 28, 3011-3021.e4	10.6	52
129	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	11.5	51
128	Regulation of T-cell chemotaxis by programmed death-ligand 1 (PD-L1) in dry eye-associated corneal inflammation 2010 , 51, 3418-23		50
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126	A genetic map of reovirus. III. Assignment of the double-stranded RNA-positive mutant groups A, B, and G to genome segments. <i>Virology</i> , 1978 , 85, 545-56	3.6	48
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