

# Yoichiro Iwakura

## List of Publications by Citations

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641  
papers

55,183  
citations

119  
h-index

210  
g-index

689  
ext. papers

61,567  
ext. citations

8.2  
avg, IF

7.25  
L-index

#	Paper	IF	Citations
641	Obesity-induced gut microbial metabolite promotes liver cancer through senescence secretome. <i>Nature</i> , <b>2013</b> , 499, 97-101	50.4	1298
640	IL-17 plays an important role in the development of experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , <b>2006</b> , 177, 566-73	5.3	1257
639	Th17 functions as an osteoclastogenic helper T cell subset that links T cell activation and bone destruction. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 2673-82	16.6	1128
638	Suppression of immune induction of collagen-induced arthritis in IL-17-deficient mice. <i>Journal of Immunology</i> , <b>2003</b> , 171, 6173-7	5.3	1060
637	IL-22 mediates mucosal host defense against Gram-negative bacterial pneumonia. <i>Nature Medicine</i> , <b>2008</b> , 14, 275-81	50.5	929
636	Functional specialization of interleukin-17 family members. <i>Immunity</i> , <b>2011</b> , 34, 149-62	32.3	892
635	Antigen-specific T cell sensitization is impaired in IL-17-deficient mice, causing suppression of allergic cellular and humoral responses. <i>Immunity</i> , <b>2002</b> , 17, 375-87	32.3	875
634	Essential role of MD-2 in LPS responsiveness and TLR4 distribution. <i>Nature Immunology</i> , <b>2002</b> , 3, 667-72	19.1	806
633	Differential roles of interleukin-17A and -17F in host defense against mucocutaneous bacterial infection and allergic responses. <i>Immunity</i> , <b>2009</b> , 30, 108-19	32.3	758
632	IL-1 is required for tumor invasiveness and angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 2645-50	11.5	755
631	The IL-23/IL-17 axis in inflammation. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 1218-22	15.9	713
630	Pivotal role of cerebral interleukin-17-producing gammadeltaT cells in the delayed phase of ischemic brain injury. <i>Nature Medicine</i> , <b>2009</b> , 15, 946-50	50.5	618
629	A protective function for interleukin 17A in T cell-mediated intestinal inflammation. <i>Nature Immunology</i> , <b>2009</b> , 10, 603-9	19.1	615
628	Involvement of tumor necrosis factor-related apoptosis-inducing ligand in surveillance of tumor metastasis by liver natural killer cells. <i>Nature Medicine</i> , <b>2001</b> , 7, 94-100	50.5	610
627	Development of chronic inflammatory arthropathy resembling rheumatoid arthritis in interleukin 1 receptor antagonist-deficient mice. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 191, 313-20	16.6	588
626	Lack of interleukin-1beta decreases the severity of atherosclerosis in ApoE-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 656-60	9.4	562
625	Either a Th17 or a Th1 effector response can drive autoimmunity: conditions of disease induction affect dominant effector category. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 799-810	16.6	556

624	Dectin-2 recognition of alpha-mannans and induction of Th17 cell differentiation is essential for host defense against <i>Candida albicans</i> . <i>Immunity</i> , <b>2010</b> , 32, 681-91	32.3	539
623	Production of mice deficient in genes for interleukin (IL)-1alpha, IL-1beta, IL-1alpha/beta, and IL-1 receptor antagonist shows that IL-1beta is crucial in turpentine-induced fever development and glucocorticoid secretion. <i>Journal of Experimental Medicine</i> , <b>1998</b> , 187, 1463-75	16.6	516
622	Interleukin 17 promotes angiotensin II-induced hypertension and vascular dysfunction. <i>Hypertension</i> , <b>2010</b> , 55, 500-7	8.5	510
621	Dectin-1 is required for host defense against <i>Pneumocystis carinii</i> but not against <i>Candida albicans</i> . <i>Nature Immunology</i> , <b>2007</b> , 8, 39-46	19.1	486
620	Control of TH17 cells occurs in the small intestine. <i>Nature</i> , <b>2011</b> , 475, 514-8	50.4	472
619	IL-17-mediated regulation of innate and acquired immune response against pulmonary <i>Mycobacterium bovis</i> bacille Calmette-Guerin infection. <i>Journal of Immunology</i> , <b>2007</b> , 178, 3786-96	5.3	426
618	IL-17 production from activated T cells is required for the spontaneous development of destructive arthritis in mice deficient in IL-1 receptor antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 5986-90	11.5	406
617	Interleukin-17-producing innate lymphoid cells and the NLRP3 inflammasome facilitate obesity-associated airway hyperreactivity. <i>Nature Medicine</i> , <b>2014</b> , 20, 54-61	50.5	398
616	Interleukin-17 promotes autoimmunity by triggering a positive-feedback loop via interleukin-6 induction. <i>Immunity</i> , <b>2008</b> , 29, 628-36	32.3	392
615	T cell self-reactivity forms a cytokine milieu for spontaneous development of IL-17+ Th cells that cause autoimmune arthritis. <i>Journal of Experimental Medicine</i> , <b>2007</b> , 204, 41-7	16.6	379
614	IL-6 regulates in vivo dendritic cell differentiation through STAT3 activation. <i>Journal of Immunology</i> , <b>2004</b> , 173, 3844-54	5.3	367
613	The roles of IL-17A in inflammatory immune responses and host defense against pathogens. <i>Immunological Reviews</i> , <b>2008</b> , 226, 57-79	11.3	357
612	Caspase 1-independent IL-1beta release and inflammation induced by the apoptosis inducer Fas ligand. <i>Nature Medicine</i> , <b>1998</b> , 4, 1287-92	50.5	346
611	IL-23 and Th17 cells enhance Th2-cell-mediated eosinophilic airway inflammation in mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 178, 1023-32	10.2	332
610	Interleukin 18 together with interleukin 12 inhibits IgE production by induction of interferon-gamma production from activated B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 3948-53	11.5	326
609	The muscle protein Dok-7 is essential for neuromuscular synaptogenesis. <i>Science</i> , <b>2006</b> , 312, 1802-5	33.3	325
608	Interleukin-23 restrains regulatory T cell activity to drive T cell-dependent colitis. <i>Immunity</i> , <b>2008</b> , 28, 559-70	32.3	312
607	Loss of DEXD/H box RNA helicase LGP2 manifests disparate antiviral responses. <i>Journal of Immunology</i> , <b>2007</b> , 178, 6444-55	5.3	311

606	Essential role of IL-17A in the formation of a mycobacterial infection-induced granuloma in the lung. <i>Journal of Immunology</i> , <b>2010</b> , 184, 4414-22	5.3	298
605	IL-17A produced by gammadelta T cells plays a critical role in innate immunity against listeria monocytogenes infection in the liver. <i>Journal of Immunology</i> , <b>2008</b> , 181, 3456-63	5.3	280
604	Dcir deficiency causes development of autoimmune diseases in mice due to excess expansion of dendritic cells. <i>Nature Medicine</i> , <b>2008</b> , 14, 176-80	50.5	273
603	Ozone exposure in a mouse model induces airway hyperreactivity that requires the presence of natural killer T cells and IL-17. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 385-93	16.6	261
602	Inflammasome-mediated production of IL-1beta is required for neutrophil recruitment against Staphylococcus aureus in vivo. <i>Journal of Immunology</i> , <b>2007</b> , 179, 6933-42	5.3	250
601	Lipid-cytokine-chemokine cascade drives neutrophil recruitment in a murine model of inflammatory arthritis. <i>Immunity</i> , <b>2010</b> , 33, 266-78	32.3	249
600	The adaptor protein CARD9 is essential for the activation of myeloid cells through ITAM-associated and Toll-like receptors. <i>Nature Immunology</i> , <b>2007</b> , 8, 619-29	19.1	245
599	Regulatory T cells are strong promoters of acute ischemic stroke in mice by inducing dysfunction of the cerebral microvasculature. <i>Blood</i> , <b>2013</b> , 121, 679-91	2.2	240
598	Interferon-gamma is causatively involved in experimental inflammatory bowel disease in mice. <i>Clinical and Experimental Immunology</i> , <b>2006</b> , 146, 330-8	6.2	238
597	The NLRP12 inflammasome recognizes Yersinia pestis. <i>Immunity</i> , <b>2012</b> , 37, 96-107	32.3	237
596	Regional neural activation defines a gateway for autoreactive T cells to cross the blood-brain barrier. <i>Cell</i> , <b>2012</b> , 148, 447-57	56.2	237
595	Reciprocal differentiation and tissue-specific pathogenesis of Th1, Th2, and Th17 cells in graft-versus-host disease. <i>Blood</i> , <b>2009</b> , 114, 3101-12	2.2	233
594	Phenotypic differences between Th1 and Th17 cells and negative regulation of Th1 cell differentiation by IL-17. <i>Journal of Leukocyte Biology</i> , <b>2007</b> , 81, 1258-68	6.5	233
593	Interleukin-17 is required for T helper 1 cell immunity and host resistance to the intracellular pathogen Francisella tularensis. <i>Immunity</i> , <b>2009</b> , 31, 799-810	32.3	232
592	IL-17 contributes to CD4-mediated graft-versus-host disease. <i>Blood</i> , <b>2009</b> , 113, 945-52	2.2	227
591	Fatty acid-induced mitochondrial uncoupling elicits inflammasome-independent IL-1beta and sterile vascular inflammation in atherosclerosis. <i>Nature Immunology</i> , <b>2013</b> , 14, 1045-53	19.1	225
590	Interleukin-1beta-driven inflammation promotes the development and invasiveness of chemical carcinogen-induced tumors. <i>Cancer Research</i> , <b>2007</b> , 67, 1062-71	10.1	223
589	Interleukin (IL)-23 mediates Toxoplasma gondii-induced immunopathology in the gut via matrix metalloproteinase-2 and IL-22 but independent of IL-17. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 3047-59	16.6	220

588	Requirement for natural killer T (NKT) cells in the induction of allograft tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 2577-81	11.5	220
587	Functional recovery after peripheral nerve injury is dependent on the pro-inflammatory cytokines IL-1 $\beta$ and TNF: implications for neuropathic pain. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 12533-42	6.6	218
586	Growth retardation and early death of beta-1,4-galactosyltransferase knockout mice with augmented proliferation and abnormal differentiation of epithelial cells. <i>EMBO Journal</i> , <b>1997</b> , 16, 1850-73	7.3	216
585	Interleukin-17A contributes to myocardial ischemia/reperfusion injury by regulating cardiomyocyte apoptosis and neutrophil infiltration. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 420-9	15.1	215
584	Interleukin-17A is dispensable for myocarditis but essential for the progression to dilated cardiomyopathy. <i>Circulation Research</i> , <b>2010</b> , 106, 1646-55	15.7	214
583	Mutually exclusive expression of odorant receptor transgenes. <i>Nature Neuroscience</i> , <b>2000</b> , 3, 687-93	25.5	206
582	The essential involvement of cross-talk between IFN-gamma and TGF-beta in the skin wound-healing process. <i>Journal of Immunology</i> , <b>2004</b> , 172, 1848-55	5.3	204
581	Interleukin-17A upregulates receptor activator of NF-kappaB on osteoclast precursors. <i>Arthritis Research and Therapy</i> , <b>2010</b> , 12, R29	5.7	192
580	IL-17-producing T cells enhance bone regeneration. <i>Nature Communications</i> , <b>2016</b> , 7, 10928	17.4	189
579	Association of TAG-1 with Caspr2 is essential for the molecular organization of juxtaparanodal regions of myelinated fibers. <i>Journal of Cell Biology</i> , <b>2003</b> , 162, 1161-72	7.3	189
578	Role of gamma interferon in Helicobacter pylori-induced gastric inflammatory responses in a mouse model. <i>Infection and Immunity</i> , <b>1999</b> , 67, 279-85	3.7	188
577	Six1 controls patterning of the mouse otic vesicle. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 551-62	6.6	186
576	Involvement of IL-17A in the pathogenesis of DSS-induced colitis in mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 377, 12-6	3.4	183
575	Cutting edge: critical role for mesothelial cells in necrosis-induced inflammation through the recognition of IL-1 alpha released from dying cells. <i>Journal of Immunology</i> , <b>2008</b> , 181, 8194-8	5.3	183
574	A pivotal involvement of IFN-gamma in the pathogenesis of acetaminophen-induced acute liver injury. <i>FASEB Journal</i> , <b>2002</b> , 16, 1227-36	0.9	182
573	Dynamic functional relay between insulin receptor substrate 1 and 2 in hepatic insulin signaling during fasting and feeding. <i>Cell Metabolism</i> , <b>2008</b> , 8, 49-64	24.6	172
572	IL-17 promotes progression of cutaneous leishmaniasis in susceptible mice. <i>Journal of Immunology</i> , <b>2009</b> , 182, 3039-46	5.3	171
571	Pituitary adenylate cyclase-activating polypeptide (PACAP) decreases ischemic neuronal cell death in association with IL-6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 7488-93	11.5	171

570	C-type lectin MCL is an FcR $\gamma$ -coupled receptor that mediates the adjuvanticity of mycobacterial cord factor. <i>Immunity</i> , <b>2013</b> , 38, 1050-62	32.3	168
569	Critical contribution of IFN- $\gamma$ and NK cells, but not perforin-mediated cytotoxicity, to anti-metastatic effect of $\beta$ -galactosylceramide. <i>European Journal of Immunology</i> , <b>2001</b> , 31, 1720-1727	6.1	167
568	Protection against influenza virus infection in polymeric Ig receptor knockout mice immunized intranasally with adjuvant-combined vaccines. <i>Journal of Immunology</i> , <b>2002</b> , 168, 2930-8	5.3	164
567	IL-1 plays an important role in lipid metabolism by regulating insulin levels under physiological conditions. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 198, 877-88	16.6	163
566	Protective role of interleukin-1 in mycobacterial infection in IL-1 alpha/beta double-knockout mice. <i>Laboratory Investigation</i> , <b>2000</b> , 80, 759-67	5.9	163
565	Toll-like receptor 3 signaling converts tumor-supporting myeloid cells to tumoricidal effectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 2066-71	11.5	162
564	Role of interleukin 17 in inflammation, atherosclerosis, and vascular function in apolipoprotein e-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1565-72	9.4	161
563	Critical roles of muscle-secreted angiogenic factors in therapeutic neovascularization. <i>Circulation Research</i> , <b>2006</b> , 98, 1194-202	15.7	156
562	Neutrophil-derived IL-1 $\beta$ s sufficient for abscess formation in immunity against <i>Staphylococcus aureus</i> in mice. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1003047	7.6	154
561	Inhibition of Dectin-1 Signaling Ameliorates Colitis by Inducing Lactobacillus-Mediated Regulatory T Cell Expansion in the Intestine. <i>Cell Host and Microbe</i> , <b>2015</b> , 18, 183-97	23.4	153
560	Differential pathways regulating innate and adaptive antitumor immune responses by particulate and soluble yeast-derived $\beta$ -glucans. <i>Blood</i> , <b>2011</b> , 117, 6825-36	2.2	152
559	Perivascular leukocyte clusters are essential for efficient activation of effector T cells in the skin. <i>Nature Immunology</i> , <b>2014</b> , 15, 1064-9	19.1	151
558	Tumor-infiltrating IL-17-producing gammadelta T cells support the progression of tumor by promoting angiogenesis. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 1927-37	6.1	151
557	Virus binding to a plasma membrane receptor triggers interleukin-1 alpha-mediated proinflammatory macrophage response in vivo. <i>Immunity</i> , <b>2009</b> , 31, 110-21	32.3	149
556	Antiangiogenic and antitumor activities of IL-27. <i>Journal of Immunology</i> , <b>2006</b> , 176, 7317-24	5.3	149
555	Biosynthesis of RNA polymerase in <i>Escherichia coli</i> . I. Control of RNA polymerase content at various growth rates. <i>Molecular Genetics and Genomics</i> , <b>1974</b> , 133, 1-23		148
554	Expression of ROR $\gamma$ marks a pathogenic regulatory T cell subset in human colon cancer. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 164ra159	17.5	146
553	The role of Syk/CARD9 coupled C-type lectins in antifungal immunity. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 276-81	6.1	145

552	IL-1 beta breaks tolerance through expansion of CD25+ effector T cells. <i>Journal of Immunology</i> , <b>2006</b> , 176, 7278-87	5.3	145
551	An Ocular Commensal Protects against Corneal Infection by Driving an Interleukin-17 Response from Mucosal T Cells. <i>Immunity</i> , <b>2017</b> , 47, 148-158.e5	32.3	144
550	Mast cells contribute to initiation of autoantibody-mediated arthritis via IL-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 2325-30	11.5	144
549	Alteration of behavioural phenotype in mice by targeted disruption of the progranulin gene. <i>Behavioural Brain Research</i> , <b>2007</b> , 185, 110-8	3.4	144
548	Signaling of vascular endothelial growth factor receptor-1 tyrosine kinase promotes rheumatoid arthritis through activation of monocytes/macrophages. <i>Blood</i> , <b>2006</b> , 108, 1849-56	2.2	142
547	Priming of macrophages with lipopolysaccharide potentiates P2X7-mediated cell death via a caspase-1-dependent mechanism, independently of cytokine production. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 3210-8	5.4	140
546	Memory/effector (CD45RB(lo)) CD4 T cells are controlled directly by IL-10 and cause IL-22-dependent intestinal pathology. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 1027-40	16.6	139
545	Low concentration of interleukin-1beta induces FLICE-inhibitory protein-mediated beta-cell proliferation in human pancreatic islets. <i>Diabetes</i> , <b>2006</b> , 55, 2713-22	0.9	139
544	Requirement for MD-1 in cell surface expression of RP105/CD180 and B-cell responsiveness to lipopolysaccharide. <i>Blood</i> , <b>2002</b> , 99, 1699-705	2.2	137
543	Inflammasome activation by adenylate cyclase toxin directs Th17 responses and protection against <i>Bordetella pertussis</i> . <i>Journal of Immunology</i> , <b>2010</b> , 185, 1711-9	5.3	136
542	Dectin-1 and Dectin-2 in innate immunity against fungi. <i>International Immunology</i> , <b>2011</b> , 23, 467-72	4.9	135
541	Distinct roles of IL-23 and IL-17 in the development of psoriasis-like lesions in a mouse model. <i>Journal of Immunology</i> , <b>2011</b> , 186, 4481-9	5.3	135
540	IL-6-dependent spontaneous proliferation is required for the induction of colitogenic IL-17-producing CD8+ T cells. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 1019-27	16.6	135
539	Phenotypic analysis of Meltrin alpha (ADAM12)-deficient mice: involvement of Meltrin alpha in adipogenesis and myogenesis. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 55-61	4.8	135
538	Positive feedback between NF- $\kappa$ B and TNF- $\alpha$ promotes leukemia-initiating cell capacity. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 528-42	15.9	134
537	Th17 cells promote autoimmune anti-myeloperoxidase glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2010</b> , 21, 925-31	12.7	133
536	Endogenous interleukin (IL)-1 alpha and IL-1 beta are crucial for host defense against disseminated candidiasis. <i>Journal of Infectious Diseases</i> , <b>2006</b> , 193, 1419-26	7	133
535	Bidirectional signaling through ephrinA2-EphA2 enhances osteoclastogenesis and suppresses osteoblastogenesis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 14637-44	5.4	130

534	Mice deficient in nervous system-specific carbohydrate epitope HNK-1 exhibit impaired synaptic plasticity and spatial learning. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 27227-31	5.4	130
533	Interleukin-17A deficiency accelerates unstable atherosclerotic plaque formation in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 273-80	9.4	129
532	RIP1-driven autoinflammation targets IL-1 $\beta$ independently of inflammasomes and RIP3. <i>Nature</i> , <b>2013</b> , 498, 224-7	50.4	129
531	IL-1 receptor accessory protein-like 1 associated with mental retardation and autism mediates synapse formation by trans-synaptic interaction with protein tyrosine phosphatase $\square$ <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 13485-99	6.6	126
530	NR2B tyrosine phosphorylation modulates fear learning as well as amygdaloid synaptic plasticity. <i>EMBO Journal</i> , <b>2006</b> , 25, 2867-77	13	125
529	Lack of interleukin-1 receptor antagonist modulates plaque composition in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 1068-73	9.4	124
528	Host defense against oral microbiota by bone-damaging T cells. <i>Nature Communications</i> , <b>2018</b> , 9, 701	17.4	123
527	IL-1 plays an important role in the bone metabolism under physiological conditions. <i>International Immunology</i> , <b>2010</b> , 22, 805-16	4.9	122
526	Stem cell mobilization with G-CSF induces type 17 differentiation and promotes scleroderma. <i>Blood</i> , <b>2010</b> , 116, 819-28	2.2	121
525	Alterations in the microbiota drive interleukin-17C production from intestinal epithelial cells to promote tumorigenesis. <i>Immunity</i> , <b>2014</b> , 40, 140-52	32.3	120
524	NLRP3 inflammasome is required in murine asthma in the absence of aluminum adjuvant. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 66, 1047-57	9.3	120
523	Dectin-1 diversifies <i>Aspergillus fumigatus</i> -specific T cell responses by inhibiting T helper type 1 CD4 T cell differentiation. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 369-81	16.6	120
522	RNA packaging signal of human immunodeficiency virus type 1. <i>Virology</i> , <b>1992</b> , 188, 590-9	3.6	119
521	Type I IFN signaling constrains IL-17A/F secretion by gammadelta T cells during bacterial infections. <i>Journal of Immunology</i> , <b>2010</b> , 184, 3755-67	5.3	117
520	IL-17 is necessary for host protection against acute-phase <i>Trypanosoma cruzi</i> infection. <i>Journal of Immunology</i> , <b>2010</b> , 185, 1150-7	5.3	116
519	Melanocortin 2 receptor is required for adrenal gland development, steroidogenesis, and neonatal gluconeogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 18205-10	11.5	116
518	Recognition of tumor cells by Dectin-1 orchestrates innate immune cells for anti-tumor responses. <i>ELife</i> , <b>2014</b> , 3, e04177	8.9	115
517	IL-18 contributes to host resistance against infection with <i>Cryptococcus neoformans</i> in mice with defective IL-12 synthesis through induction of IFN-gamma production by NK cells. <i>Journal of Immunology</i> , <b>2000</b> , 165, 941-7	5.3	114



516	Six4, a putative myogenin gene regulator, is not essential for mouse embryonal development. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 3343-50	4.8	113
515	Purinergic (P2X7) receptor activation of microglia induces cell death via an interleukin-1-independent mechanism. <i>Molecular and Cellular Neurosciences</i> , <b>2002</b> , 19, 272-80	4.8	113
514	IL-1 $\beta$ /IL-1R1 expression in chronic obstructive pulmonary disease and mechanistic relevance to smoke-induced neutrophilia in mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e28457	3.7	113
513	MAIT cells protect against pulmonary <i>Legionella longbeachae</i> infection. <i>Nature Communications</i> , <b>2018</b> , 9, 3350	17.4	111
512	Notch-Hes1 pathway is required for the development of IL-17-producing $\Gamma$ cells. <i>Blood</i> , <b>2011</b> , 118, 586-93	2.2	111
511	Induction of IgG2a class switching in B cells by IL-27. <i>Journal of Immunology</i> , <b>2004</b> , 173, 2479-85	5.3	111
510	Abnormal T cell activation caused by the imbalance of the IL-1/IL-1R antagonist system is responsible for the development of experimental autoimmune encephalomyelitis. <i>International Immunology</i> , <b>2006</b> , 18, 399-407	4.9	108
509	IL-1 is required for allergen-specific Th2 cell activation and the development of airway hypersensitivity response. <i>International Immunology</i> , <b>2003</b> , 15, 483-90	4.9	107
508	Interleukin-1 beta, but not interleukin-1 alpha, is required for T-cell-dependent antibody production. <i>Immunology</i> , <b>2001</b> , 104, 402-9	7.8	107
507	Thermoneutral housing exacerbates nonalcoholic fatty liver disease in mice and allows for sex-independent disease modeling. <i>Nature Medicine</i> , <b>2017</b> , 23, 829-838	50.5	106
506	Mammalian motoneuron axon targeting requires receptor protein tyrosine phosphatases sigma and delta. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 5872-80	6.6	105
505	IL-17A as an inducer for Th2 immune responses in murine atopic dermatitis models. <i>Journal of Investigative Dermatology</i> , <b>2014</b> , 134, 2122-2130	4.3	104
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