

# Shigeo Koyasu

## List of Publications by Year in descending order

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203  
papers

28,180  
citations

9786

73  
h-index

5539

163  
g-index

208  
all docs

208  
docs citations

208  
times ranked

34719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloning of adiponectin receptors that mediate antidiabetic metabolic effects. <i>Nature</i> , 2003, 423, 762-769.	27.8	2,804
2	Innate lymphoid cells â€” a proposal for uniform nomenclature. <i>Nature Reviews Immunology</i> , 2013, 13, 145-149.	22.7	2,054
3	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014, 507, 462-470.	27.8	1,838
4	Innate production of TH2 cytokines by adipose tissue-associated c-Kit+Sca-1+ lymphoid cells. <i>Nature</i> , 2010, 463, 540-544.	27.8	1,827
5	Innate Lymphoid Cells: 10 Years On. <i>Cell</i> , 2018, 174, 1054-1066.	28.9	1,467
6	Mechanisms of action of cyclosporine. <i>Immunopharmacology</i> , 2000, 47, 119-125.	2.0	687
7	ROS-dependent activation of the TRAF6-ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity. <i>Nature Immunology</i> , 2005, 6, 587-592.	14.5	605
8	PI3K and negative regulation of TLR signaling. <i>Trends in Immunology</i> , 2003, 24, 358-363.	6.8	555
9	T Cell-Specific Loss of Pten Leads to Defects in Central and Peripheral Tolerance. <i>Immunity</i> , 2001, 14, 523-534.	14.3	524
10	Development, Differentiation, and Diversity of Innate Lymphoid Cells. <i>Immunity</i> , 2014, 41, 354-365.	14.3	498
11	PI3K-mediated negative feedback regulation of IL-12 production in DCs. <i>Nature Immunology</i> , 2002, 3, 875-881.	14.5	495
12	<i>Xid</i> -Like Immunodeficiency in Mice with Disruption of the p85 $\beta$ Subunit of Phosphoinositide 3-Kinase. <i>Science</i> , 1999, 283, 390-392.	12.6	445
13	The transcriptional regulators IRF4, BATF and IL-33 orchestrate development and maintenance of adipose tissue-resident regulatory T cells. <i>Nature Immunology</i> , 2015, 16, 276-285.	14.5	442
14	The role of PI3K in immune cells. <i>Nature Immunology</i> , 2003, 4, 313-319.	14.5	416
15	IFN- $\gamma$ production by antigen-presenting cells: mechanisms emerge. <i>Trends in Immunology</i> , 2001, 22, 556-560.	6.8	403
16	Restoration of T cell development in RAG-2-deficient mice by functional TCR transgenes. <i>Science</i> , 1993, 259, 822-825.	12.6	374
17	Increased insulin sensitivity and hypoglycaemia in mice lacking the p85 $\beta$ subunit of phosphoinositide 3-kinase. <i>Nature Genetics</i> , 1999, 21, 230-235.	21.4	374
18	Interferon and IL-27 antagonize the function of group 2 innate lymphoid cells and type 2 innate immune responses. <i>Nature Immunology</i> , 2016, 17, 76-86.	14.5	350

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19	Two mammalian heat shock proteins, HSP90 and HSP100, are actin-binding proteins.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 8054-8058.	7.1	320
20	Interleukin 12-dependent Interferon $\gamma$ Production by CD8 $\alpha^+$ -Lymphoid Dendritic Cells. Journal of Experimental Medicine, 1999, 189, 1981-1986.	8.5	317
21	Induction of Pemphigus Phenotype by a Mouse Monoclonal Antibody Against the Amino-Terminal Adhesive Interface of Desmoglein 3. Journal of Immunology, 2003, 170, 2170-2178.	0.8	293
22	Thymic stromal lymphopoietin induces corticosteroid resistance in natural helper cells during airway inflammation. Nature Communications, 2013, 4, 2675.	12.8	287
23	PI3K-Akt-mTORC1-S6K1/2 Axis Controls Th17 Differentiation by Regulating Gfi1 Expression and Nuclear Translocation of ROR $\gamma^3$ . Cell Reports, 2012, 1, 360-373.	6.4	283
24	Helicobacter pylori CagA Phosphorylation-Independent Function in Epithelial Proliferation and Inflammation. Cell Host and Microbe, 2009, 5, 23-34.	11.0	282
25	ERK and p38 MAPK, but not NF- $\kappa$ B, Are Critically Involved in Reactive Oxygen Species-mediated Induction of IL-6 by Angiotensin II in Cardiac Fibroblasts. Circulation Research, 2001, 89, 661-669.	4.5	272
26	Basophil-Derived Interleukin-4 Controls the Function of Natural Helper Cells, a Member of ILC2s, in Lung Inflammation. Immunity, 2014, 40, 758-771.	14.3	263
27	Cofilin is a component of intranuclear and cytoplasmic actin rods induced in cultured cells.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 5262-5266.	7.1	253
28	Regulatory Role of Dendritic Cells in Postinfarction Healing and Left Ventricular Remodeling. Circulation, 2012, 125, 1234-1245.	1.6	251
29	An Interleukin-33-Mast Cell-Interleukin-2 Axis Suppresses Papain-Induced Allergic Inflammation by Promoting Regulatory T Cell Numbers. Immunity, 2015, 43, 175-186.	14.3	240
30	Use of autoantigen-knockout mice in developing an active autoimmune disease model for pemphigus. Journal of Clinical Investigation, 2000, 105, 625-631.	8.2	239
31	Mammalian target of rapamycin and glycogen synthase kinase 3 differentially regulate lipopolysaccharide-induced interleukin-12 production in dendritic cells. Blood, 2008, 112, 635-643.	1.4	230
32	Synergistic Effects of IL-4 and IL-18 on IL-12-Dependent IFN- $\gamma$ Production by Dendritic Cells. Journal of Immunology, 2000, 164, 64-71.	0.8	212
33	The group 2 innate lymphoid cell (<sc>ILC</sc>2) regulatory network and its underlying mechanisms. Immunological Reviews, 2018, 286, 37-52.	6.0	211
34	FANTOM5 CAGE profiles of human and mouse samples. Scientific Data, 2017, 4, 170112.	5.3	195
35	Selective loss of gastrointestinal mast cells and impaired immunity in PI3K-deficient mice. Nature Immunology, 2002, 3, 295-304.	14.5	187
36	Helicobacter pylori Dampens Gut Epithelial Self-Renewal by Inhibiting Apoptosis, a Bacterial Strategy to Enhance Colonization of the Stomach. Cell Host and Microbe, 2007, 2, 250-263.	11.0	186

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37	T Lymphocyte Activation Signals for Interleukin-2 Production Involve Activation of MKK6-p38 and MKK7-SAPK/JNK Signaling Pathways Sensitive to Cyclosporin A. <i>Journal of Biological Chemistry</i> , 1998, 273, 12378-12382.	3.4	183
38	Inducible Expression of Stat4 in Dendritic Cells and Macrophages and Its Critical Role in Innate and Adaptive Immune Responses. <i>Journal of Immunology</i> , 2001, 166, 4446-4455.	0.8	172
39	Thymoproteasome Shapes Immunocompetent Repertoire of CD8+ T Cells. <i>Immunity</i> , 2010, 32, 29-40.	14.3	172
40	Critical role of IL-15â€IL-15R for antigen-presenting cell functions in the innate immune response. <i>Nature Immunology</i> , 2001, 2, 1138-1143.	14.5	163
41	Innate lymphoid cells in allergic and nonallergic inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1253-1264.	2.9	162
42	Autoantibodies to the heat-shock protein hsp90 in systemic lupus erythematosus.. <i>Journal of Clinical Investigation</i> , 1988, 81, 106-109.	8.2	141
43	Two distinct action mechanisms of immunophilinâ€ligand complexes for the blockade of Tâ€cell activation. <i>EMBO Reports</i> , 2000, 1, 428-434.	4.5	135
44	PI3K and Btk differentially regulate B cell antigen receptor-mediated signal transduction. <i>Nature Immunology</i> , 2003, 4, 280-286.	14.5	128
45	Role of Peyer's patches in the induction of Helicobacter pylori-induced gastritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8971-8976.	7.1	123
46	Isolation and analysis of group 2 innate lymphoid cells in mice. <i>Nature Protocols</i> , 2015, 10, 792-806.	12.0	123
47	A soluble multimeric recombinant CD2 protein identifies CD48 as a low affinity ligand for human CD2: divergence of CD2 ligands during the evolution of humans and mice.. <i>Journal of Experimental Medicine</i> , 1993, 177, 1439-1450.	8.5	117
48	Role of PI3K/Akt and mTOR complexes in Th17 cell differentiation. <i>Annals of the New York Academy of Sciences</i> , 2013, 1280, 30-34.	3.8	117
49	Absence of Memory B Cells in Patients with Common Variable Immunodeficiency. <i>Clinical Immunology</i> , 2002, 103, 34-42.	3.2	115
50	Langerhans cell antigen capture through tight junctions confers preemptive immunity in experimental staphylococcal scalded skin syndrome. <i>Journal of Experimental Medicine</i> , 2011, 208, 2607-2613.	8.5	114
51	Inflammatory Cytokines and Hypoxia Contribute to <sup>18</sup> F-FDG Uptake by Cells Involved in Pannus Formation in Rheumatoid Arthritis. <i>Journal of Nuclear Medicine</i> , 2009, 50, 920-926.	5.0	111
52	Type 2 innate immune responses and the natural helper cell. <i>Immunology</i> , 2011, 132, 475-481.	4.4	111
53	Non-redundant Roles of Phosphoinositide 3-Kinase Isoforms Î± and Î² in Glycoprotein VI-induced Platelet Signaling and Thrombus Formation. <i>Journal of Biological Chemistry</i> , 2009, 284, 33750-33762.	3.4	110
54	Critical Role of p38 and GATA3 in Natural Helper Cell Function. <i>Journal of Immunology</i> , 2013, 191, 1818-1826.	0.8	109

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55	IL-15 Regulates CD8+ T Cell Contraction during Primary Infection. <i>Journal of Immunology</i> , 2006, 176, 507-515.	0.8	104
56	<i>Bordetella</i> evades the host immune system by inducing IL-10 through a type III effector, BopN. <i>Journal of Experimental Medicine</i> , 2009, 206, 3073-3088.	8.5	101
57	Molecular cloning of the CD3 eta subunit identifies a CD3 zeta-related product in thymus-derived cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 3319-3323.	7.1	99
58	Role of interaction of CD2 molecules with lymphocyte function-associated antigen 3 in T-cell recognition of nominal antigen.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 2603-2607.	7.1	98
59	Essential requirement of an invariant V alpha 14 T cell antigen receptor expression in the development of natural killer T cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 11025-11028.	7.1	95
60	IFN- $\gamma$ and pro-inflammatory cytokine production by antigen-presenting cells is dictated by intracellular thiol redox status regulated by oxygen tension. <i>European Journal of Immunology</i> , 2002, 32, 2866-2873.	2.9	92
61	Pathogenic autoantibody production requires loss of tolerance against desmoglein 3 in both T and B cells in experimental pemphigus vulgaris. <i>European Journal of Immunology</i> , 2002, 32, 627.	2.9	91
62	Exogenous antigens are processed through the endoplasmic reticulum-associated degradation (ERAD) in cross-presentation by dendritic cells. <i>International Immunology</i> , 2005, 17, 45-53.	4.0	90
63	CD3+CD16+NK1.1+B220+ large granular lymphocytes arise from both alpha-beta TCR+CD4-CD8- and gamma-delta TCR+CD4-CD8- cells.. <i>Journal of Experimental Medicine</i> , 1994, 179, 1957-1972.	8.5	88
64	Functional phenotype of phosphoinositide 3-kinase p85 $\Delta$ -null platelets characterized by an impaired response to GP VI stimulation. <i>Blood</i> , 2003, 102, 541-548.	1.4	88
65	Activation of gp130 Transduces Hypertrophic Signal Through Interaction of Scaffolding/Docking Protein Gab1 With Tyrosine Phosphatase SHP2 in Cardiomyocytes. <i>Circulation Research</i> , 2003, 93, 221-229.	4.5	86
66	Milk fat globule epidermal growth factor $\alpha$ 8 blockade triggers tumor destruction through coordinated cell-autonomous and immune-mediated mechanisms. <i>Journal of Experimental Medicine</i> , 2009, 206, 1317-1326.	8.5	86
67	Peripheral PDGFR $\beta$ +gp38+ mesenchymal cells support the differentiation of fetal liver $\alpha$ -derived ILC2. <i>Journal of Experimental Medicine</i> , 2018, 215, 1609-1626.	8.5	85
68	Desmoglein 3 $\alpha$ -specific CD4+ T cells induce pemphigus vulgaris and interface dermatitis in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 3677-3688.	8.2	82
69	TLR5-Mediated Phosphoinositide 3-Kinase Activation Negatively Regulates Flagellin-Induced Proinflammatory Gene Expression. <i>Journal of Immunology</i> , 2006, 176, 6194-6201.	0.8	78
70	T cell receptor complexes containing Fc epsilon RI gamma homodimers in lieu of CD3 zeta and CD3 eta components: a novel isoform expressed on large granular lymphocytes.. <i>Journal of Experimental Medicine</i> , 1992, 175, 203-209.	8.5	77
71	Essential roles of DC-derived IL-15 as a mediator of inflammatory responses in vivo. <i>Journal of Experimental Medicine</i> , 2006, 203, 2329-2338.	8.5	76
72	Complementary roles for CD2 and LFA-1 adhesion pathways during T cell activation. <i>European Journal of Immunology</i> , 1991, 21, 605-610.	2.9	75

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73	Phosphatidylinositol 3-Kinase and NF- $\kappa$ B/Rel Are at the Divergence of CD40-Mediated Proliferation and Survival Pathways. <i>Journal of Immunology</i> , 2000, 165, 3860-3867.	0.8	74
74	Recent advances in understanding the molecular mechanisms of the development and function of T <sub>H</sub> 17 cells. <i>Genes To Cells</i> , 2013, 18, 247-265.	1.2	72
75	Group 2 innate lymphoid cells and asthma. <i>Allergy International</i> , 2015, 64, 227-234.	3.3	71
76	Role of Innate Lymphocytes in Infection and Inflammation. <i>Frontiers in Immunology</i> , 2012, 3, 101.	4.8	69
77	Phagocytic cells contribute to the antibody-mediated elimination of pulmonary-infected SARS coronavirus. <i>Virology</i> , 2014, 454-455, 157-168.	2.4	69
78	Expression of functional IL-2 receptors on mature splenic dendritic cells. <i>European Journal of Immunology</i> , 2000, 30, 1453-1457.	2.9	68
79	Cutting Edge: mTORC1 in Intestinal CD11c+CD11b+ Dendritic Cells Regulates Intestinal Homeostasis by Promoting IL-10 Production. <i>Journal of Immunology</i> , 2012, 188, 4736-4740.	0.8	68
80	Delineation of a T-cell activation motif required for binding of protein tyrosine kinases containing tandem SH2 domains.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 6693-6697.	7.1	66
81	Dynamic regulation of Th17 differentiation by oxygen concentrations. <i>International Immunology</i> , 2012, 24, 137-146.	4.0	64
82	Innate Lymphoid Cells in the Induction of Obesity. <i>Cell Reports</i> , 2019, 28, 202-217.e7.	6.4	64
83	BCR targets cyclin D2 via Btk and the p85 $\beta$ subunit of PI3-K to induce cell cycle progression in primary mouse B cells. <i>Oncogene</i> , 2003, 22, 2248-2259.	5.9	61
84	A mouse model of pemphigus vulgaris by adoptive transfer of naive splenocytes from desmoglein 3 knockout mice. <i>British Journal of Dermatology</i> , 2004, 151, 346-354.	1.5	60
85	CD3 $\eta$ and CD3 $\zeta$ are alternatively spliced products of a common genetic locus and are transcriptionally and/or post-transcriptionally regulated during T-cell development.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 5202-5206.	7.1	56
86	Temperature-sensitive ZAP70 Mutants Degrading through a Proteasome-independent Pathway. <i>Journal of Biological Chemistry</i> , 1999, 274, 34515-34518.	3.4	56
87	Distribution among tissues and intracellular localization of cofilin, a 21kDa actin-binding protein.. <i>Cell Structure and Function</i> , 1987, 12, 443-452.	1.1	54
88	Establishment of a Real-Time, Quantitative, and Reproducible Mouse Model of Staphylococcus Osteomyelitis Using Bioluminescence Imaging. <i>Infection and Immunity</i> , 2012, 80, 733-741.	2.2	54
89	Caulobacter crescentus flagellar filament has a right-handed helical form. <i>Journal of Molecular Biology</i> , 1984, 173, 125-130.	4.2	53
90	Tolerance Induction by the Blockade of CD40/CD154 Interaction in Pemphigus Vulgaris Mouse Model. <i>Journal of Investigative Dermatology</i> , 2006, 126, 105-113.	0.7	50

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91	In vivo role of IFN- $\beta$ produced by antigen-presenting cells in early host defense against intracellular pathogens. <i>European Journal of Immunology</i> , 2003, 33, 2666-2675.	2.9	49
92	Tumor-Derived Lactic Acid Contributes to the Paucity of Intratumoral ILC2s. <i>Cell Reports</i> , 2020, 30, 2743-2757.e5.	6.4	48
93	A heat shock-resistant variant of Chinese hamster cell line constitutively expressing heat shock protein of Mr 90,000 at high level.. <i>Cell Structure and Function</i> , 1986, 11, 65-73.	1.1	48
94	Phosphoinositide 3-Kinase in Nitric Oxide Synthesis in Macrophage. <i>Journal of Biological Chemistry</i> , 2006, 281, 17736-17742.	3.4	47
95	An antibacterial coated polymer prevents biofilm formation and implant-associated infection. <i>Scientific Reports</i> , 2021, 11, 3602.	3.3	47
96	Listerial invasion protein internalin B promotes entry into ileal Peyer's patches in vivo. <i>Microbiology and Immunology</i> , 2011, 55, 123-129.	1.4	46
97	Antigen-independent development of Foxp3+ regulatory T cells suppressing autoantibody production in experimental pemphigus vulgaris. <i>International Immunology</i> , 2011, 23, 365-373.	4.0	46
98	Ly49Q, a member of the Ly49 family that is selectively expressed on myeloid lineage cells and involved in regulation of cytoskeletal architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1016-1021.	7.1	44
99	Immunologic and Histopathologic Characterization of an Active Disease Mouse Model for Pemphigus Vulgaris. <i>Journal of Investigative Dermatology</i> , 2002, 118, 199-204.	0.7	41
100	The Pten/PI3K pathway governs the homeostasis of V $\beta$ 14iNKT cells. <i>Blood</i> , 2007, 109, 3316-3324.	1.4	41
101	Negative feedback loop in T-cell activation through MAPK-catalyzed threonine phosphorylation of LAT. <i>EMBO Journal</i> , 2004, 23, 2577-2585.	7.8	40
102	Natural Helper Cells. <i>Advances in Immunology</i> , 2010, 108, 21-44.	2.2	40
103	Functional analysis of immunoreceptor tyrosinebased activation motif (ITAM)-mediated signal transduction: the two YxxL segments within a single CD3 $\zeta$ /ITAM are functionally distinct. <i>European Journal of Immunology</i> , 1997, 27, 2001-2009.	2.9	39
104	Cutting Edge: A Possible Role for CD4+Thymic Macrophages as Professional Scavengers of Apoptotic Thymocytes. <i>Journal of Immunology</i> , 2003, 171, 2773-2777.	0.8	39
105	Delayed Propionibacterium acnes surgical site infections occur only in the presence of an implant. <i>Scientific Reports</i> , 2016, 6, 32758.	3.3	39
106	A novel hydroxyapatite film coated with ionic silver via inositol hexaphosphate chelation prevents implant-associated infection. <i>Scientific Reports</i> , 2016, 6, 23238.	3.3	39
107	Development of chimeric molecules for recognition and targeting of antigen-specific B cells in pemphigus vulgaris. <i>British Journal of Dermatology</i> , 2000, 142, 321-330.	1.5	38
108	Regulation of MAPK Signaling Pathways Through Immunophilin-ligand Complex. <i>Current Topics in Medicinal Chemistry</i> , 2003, 3, 1358-1367.	2.1	38



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109	Impaired B Cell Development and Function in the Absence of I $\beta$ BNS. <i>Journal of Immunology</i> , 2011, 187, 3942-3952.	0.8	38
110	Differential signal transduction via T-cell receptor CD3 zeta 2, CD3 zeta-eta, and CD3 eta 2 isoforms.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3842-3846.	7.1	37
111	The RNA Binding Protein Mex-3B Is Required for IL-33 Induction in the Development of Allergic Airway Inflammation. <i>Cell Reports</i> , 2016, 16, 2456-2471.	6.4	37
112	Identification of a cell surface 105 kd protein (Aic-2 antigen) which binds interleukin-3. <i>International Immunology</i> , 1990, 2, 143-150.	4.0	36
113	Innate Th2-type immune responses and the natural helper cell, a newly identified lymphocyte population. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2011, 11, 109-114.	2.3	36
114	The prostaglandin E <sub>2</sub> receptor EP4 is integral to a positive feedback loop for prostaglandin E <sub>2</sub> production in human macrophages infected with <i>Mycobacterium tuberculosis</i> . <i>FASEB Journal</i> , 2013, 27, 3827-3836.	0.5	36
115	Are ILC2s Jekyll and Hyde in airway inflammation?. <i>Immunological Reviews</i> , 2017, 278, 207-218.	6.0	36
116	Alteration in growth, cell morphology, and cytoskeletal structures of KB cells induced by epidermal growth factor and transforming growth factor- $\beta$ . <i>Experimental Cell Research</i> , 1988, 176, 107-116.	2.6	35
117	Cancer Immunoediting by Innate Lymphoid Cells. <i>Trends in Immunology</i> , 2019, 40, 415-430.	6.8	35
118	The role of DC-STAMP in maintenance of immune tolerance through regulation of dendritic cell function. <i>International Immunology</i> , 2008, 20, 1259-1268.	4.0	34
119	Clarithromycin expands CD11b+Gr-1+ cells via the STAT3/Bv8 axis to ameliorate lethal endotoxic shock and post-influenza bacterial pneumonia. <i>PLoS Pathogens</i> , 2018, 14, e1006955.	4.7	34
120	Critical role of NK but not NKT cells in acute rejection of parental bone marrow cells in F1 hybrid mice. <i>European Journal of Immunology</i> , 2001, 31, 3147-3152.	2.9	33
121	VIP36 Protein Is a Target of Ectodomain Shedding and Regulates Phagocytosis in Macrophage Raw 264.7 Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 43154-43163.	3.4	33
122	Purification and characterization of the 90-kDa heat-shock protein from mammalian tissues. <i>FEBS Journal</i> , 1988, 177, 1-7.	0.2	33
123	A Mr=190,000 glycoprotein phosphorylated on tyrosine residues in epidermal growth factor stimulated KB cells is the product of the C-erbB-2 gene. <i>Biochemical and Biophysical Research Communications</i> , 1987, 144, 699-704.	2.1	32
124	PI3K is a negative regulator of IgE production. <i>International Immunology</i> , 2008, 20, 499-508.	4.0	32
125	Innate lymphoid cells, possible interaction with microbiota. <i>Seminars in Immunopathology</i> , 2015, 37, 27-37.	6.1	31
126	Role of phosphoinositide 3-kinase signaling in mast cells: new insights from knockout mouse studies. <i>Journal of Molecular Medicine</i> , 2003, 81, 524-535.	3.9	30



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127	Class I PI3K-mediated Akt and ERK signals play a critical role in Fc $\mu$ RI-induced degranulation in mast cells. <i>International Immunology</i> , 2013, 25, 215-220.	4.0	30
128	Pre-TCR signaling components trigger transcriptional activation of a rearranged TCR alpha gene locus and silencing of the pre-TCR alpha locus: implications for intrathymic differentiation. <i>International Immunology</i> , 1997, 9, 1475-1480.	4.0	29
129	Sequential polymerization of flagellin A and flagellin B into <i>Caulobacter</i> flagella. <i>Journal of Molecular Biology</i> , 1981, 153, 471-475.	4.2	28
130	Double-positive T cell receptorhigh thymocytes are resistant to peptide/major histocompatibility complex ligand-induced negative selection. <i>European Journal of Immunology</i> , 1997, 27, 2279-2289.	2.9	28
131	Subnuclear cyclin D3 compartments and the coordinated regulation of proliferation and immunoglobulin variable gene repression. <i>Journal of Experimental Medicine</i> , 2012, 209, 2199-2213.	8.5	28
132	Rapid stimulation of fluid-phase endocytosis and exocytosis by insulin, insulin-like growth factor-I, and epidermal growth factor in KB cells. <i>Experimental Cell Research</i> , 1988, 178, 73-83.	2.6	27
133	Regulation by intracellular Ca <sup>2+</sup> and cyclic AMP of the growth factor-induced ruffling membrane formation and stimulation of fluid-phase endocytosis and exocytosis. <i>Experimental Cell Research</i> , 1989, 181, 454-462.	2.6	27
134	Characterization of thymus-derived lymphocytes expressing Ti alpha-beta CD3 gamma delta epsilon zeta-zeta, Ti alpha-beta CD3 gamma delta epsilon eta-eta or Ti alpha-beta CD3 gamma delta epsilon zeta-zeta/zeta-eta antigen receptor isoforms: analysis by gene transfection.. <i>Journal of Experimental Medicine</i> , 1990, 172, 1243-1253.	8.5	27
135	The Penicillin-Binding Proteins of <i>Caulobacter crescentus</i> 1. <i>Journal of Biochemistry</i> , 1980, 87, 363-366.	1.7	26
136	Differential effects on expression of IL $\alpha$ 2 receptors (p55 and p70) by the HTLV $\alpha$ 1 pX DNA. <i>International Journal of Cancer</i> , 1988, 41, 880-885.	5.1	26
137	Hide and seek: Plasticity of innate lymphoid cells in cancer. <i>Seminars in Immunology</i> , 2019, 41, 101273.	5.6	26
138	Critical role of dendritic cells in determining the Th1/Th2 balance upon <i>Leishmania major</i> infection. <i>International Immunology</i> , 2008, 20, 337-343.	4.0	25
139	T cell receptor-independent CD2 signal transduction in FcR+ cells.. <i>Journal of Experimental Medicine</i> , 1991, 173, 859-868.	8.5	24
140	ERK5 is involved in TCR $\alpha$ -induced apoptosis through the modification of Nur77. <i>Genes To Cells</i> , 2008, 13, 411-419.	1.2	24
141	Characterization of two flagella-related protein from <i>Caulobacter crescentus</i> . <i>FEBS Letters</i> , 1978, 95, 70-75.	2.8	23
142	Ultrastructural changes in mice actively producing antibodies to desmoglein 3 parallel those in patients with pemphigus vulgaris. <i>Archives of Dermatological Research</i> , 2002, 294, 318-323.	1.9	23
143	The p85 $\alpha$ Regulatory Subunit of Class IA Phosphoinositide 3-Kinase Regulates $\alpha$ 2-Selection in Thymocyte Development. <i>Journal of Immunology</i> , 2007, 178, 1349-1356.	0.8	23
144	Critical Roles of NK and CD8+ T Cells in Central Nervous System Listeriosis. <i>Journal of Immunology</i> , 2009, 182, 6360-6368.	0.8	23

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145	Plastic Heterogeneity of Innate Lymphoid Cells in Cancer. <i>Trends in Cancer</i> , 2017, 3, 326-335.	7.4	23
146	An interlaboratory comparison of dosimetry for a multi-institutional radiobiological research project: Observations, problems, solutions and lessons learned. <i>International Journal of Radiation Biology</i> , 2016, 92, 59-70.	1.8	22
147	Inflammatory ILC2 cells: disguising themselves as progenitors?. <i>Nature Immunology</i> , 2015, 16, 133-134.	14.5	21
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