

Shigeru Kakuta

List of Publications by Year in descending order

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71
papers

7,428
citations

136950

32
h-index

114465

63
g-index

74
all docs

74
docs citations

74
times ranked

13975
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-17 Plays an Important Role in the Development of Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2006, 177, 566-573.	0.8	1,412
2	Differential Roles of Interleukin-17A and -17F in Host Defense against Mucoepithelial Bacterial Infection and Allergic Responses. <i>Immunity</i> , 2009, 30, 108-119.	14.3	890
3	Involvement of tumor necrosis factor-related apoptosis-inducing ligand in surveillance of tumor metastasis by liver natural killer cells. <i>Nature Medicine</i> , 2001, 7, 94-100.	30.7	700
4	Dectin-2 Recognition of α -Mannans and Induction of Th17 Cell Differentiation Is Essential for Host Defense against <i>Candida albicans</i> . <i>Immunity</i> , 2010, 32, 681-691.	14.3	648
5	The Muscle Protein Dok-7 Is Essential for Neuromuscular Synaptogenesis. <i>Science</i> , 2006, 312, 1802-1805.	12.6	370
6	Loss of DExD/H Box RNA Helicase LGP2 Manifests Disparate Antiviral Responses. <i>Journal of Immunology</i> , 2007, 178, 6444-6455.	0.8	341
7	Inhibition of Dectin-1 Signaling Ameliorates Colitis by Inducing Lactobacillus-Mediated Regulatory T Cell Expansion in the Intestine. <i>Cell Host and Microbe</i> , 2015, 18, 183-197.	11.0	215
8	C-type Lectin MCL Is an Fc γ R3-Coupled Receptor that Mediates the Adjuvanticity of Mycobacterial Cord Factor. <i>Immunity</i> , 2013, 38, 1050-1062.	14.3	209
9	Dynamic Functional Relay between Insulin Receptor Substrate 1 and 2 in Hepatic Insulin Signaling during Fasting and Feeding. <i>Cell Metabolism</i> , 2008, 8, 49-64.	16.2	204
10	Critical contribution of IFN- γ and NK cells, but not perforin-mediated cytotoxicity, to anti-metastatic effect of α -galactosylceramide. <i>European Journal of Immunology</i> , 2001, 31, 1720-1727.	2.9	171
11	A Tecpr1-Dependent Selective Autophagy Pathway Targets Bacterial Pathogens. <i>Cell Host and Microbe</i> , 2011, 9, 376-389.	11.0	141
12	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> , 2007, 104, 18205-18210.	7.1	140
13	Suppression of IL-17F, but not of IL-17A, provides protection against colitis by inducing Treg cells through modification of the intestinal microbiota. <i>Nature Immunology</i> , 2018, 19, 755-765.	14.5	134
14	Mice deficient in the Rab5 guanine nucleotide exchange factor ALS2/alsin exhibit age-dependent neurological deficits and altered endosome trafficking. <i>Human Molecular Genetics</i> , 2006, 15, 233-250.	2.9	121
15	Vaspin Is an Adipokine Ameliorating ER Stress in Obesity as a Ligand for Cell-Surface GRP78/MTJ-1 Complex. <i>Diabetes</i> , 2012, 61, 2823-2832.	0.6	108
16	IL-1 receptor antagonist-deficient mice develop autoimmune arthritis due to intrinsic activation of IL-17-producing CCR2+V β 36+ γ δ T cells. <i>Nature Communications</i> , 2015, 6, 7464.	12.8	102
17	Involvement of Fas/Fas ligand system-mediated apoptosis in the development of concanavalin A-induced hepatitis. <i>European Journal of Immunology</i> , 1998, 28, 4105-4113.	2.9	92
18	Genomic Structure of the Mouse 2',5'-Oligoadenylate Synthetase Gene Family. <i>Journal of Interferon and Cytokine Research</i> , 2002, 22, 981-993.	1.2	91

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19	Kid-Mediated Chromosome Compaction Ensures Proper Nuclear Envelope Formation. <i>Cell</i> , 2008, 132, 771-782.	28.9	88
20	Involvement of NMDAR2A tyrosine phosphorylation in depression-related behaviour. <i>EMBO Journal</i> , 2009, 28, 3717-3729.	7.8	86
21	Visceral Adipose Tissue-derived Serine Proteinase Inhibitor Inhibits Apoptosis of Endothelial Cells as a Ligand for the Cell-Surface GRP78/Voltage-dependent Anion Channel Complex. <i>Circulation Research</i> , 2013, 112, 771-780.	4.5	72
22	In vivo imaging visualizes discoid platelet aggregations without endothelium disruption and implicates contribution of inflammatory cytokine and integrin signaling. <i>Blood</i> , 2012, 119, e45-e56.	1.4	71
23	NYAP: a phosphoprotein family that links PI3K to WAVE1 signalling in neurons. <i>EMBO Journal</i> , 2011, 30, 4739-4754.	7.8	66
24	CTRP3 plays an important role in the development of collagen-induced arthritis in mice. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 42-48.	2.1	58
25	CTRP6 is an endogenous complement regulator that can effectively treat induced arthritis. <i>Nature Communications</i> , 2015, 6, 8483.	12.8	58
26	IL-1 Receptor Type 2 Suppresses Collagen-Induced Arthritis by Inhibiting IL-1 Signal on Macrophages. <i>Journal of Immunology</i> , 2015, 194, 3156-3168.	0.8	56
27	Inhibition of B16 melanoma experimental metastasis by interferon-gamma through direct inhibition of cell proliferation and activation of antitumour host mechanisms. <i>Immunology</i> , 2002, 105, 92-100.	4.4	51
28	Knockout mice lacking cPGES/p23, a constitutively expressed PGE2 synthetic enzyme, are peri-natally lethal. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 387-392.	2.1	50
29	Oral exposure to cadmium chloride triggers an acute inflammatory response in the intestines of mice, initiated by the over-expression of tissue macrophage inflammatory protein-2 mRNA. <i>Toxicology Letters</i> , 2006, 164, 144-154.	0.8	49
30	Deficiency of antiproliferative family protein Ana correlates with development of lung adenocarcinoma. <i>Cancer Science</i> , 2009, 100, 225-232.	3.9	48
31	Involvement of protein-tyrosine phosphatase PTPMEG in motor learning and cerebellar long-term depression. <i>European Journal of Neuroscience</i> , 2007, 26, 2269-2278.	2.6	47
32	TNF, but Not IL-6 and IL-17, Is Crucial for the Development of T Cell-Independent Psoriasis-Like Dermatitis in <i>IL1rn^{-/-}</i> Mice. <i>Journal of Immunology</i> , 2010, 185, 1887-1893.	0.8	36
33	Stage-Specific Roles for Cxcr4 Signaling in Murine Hematopoietic Stem/Progenitor Cells in the Process of Bone Marrow Repopulation. <i>Stem Cells</i> , 2014, 32, 1929-1942.	3.2	34
34	Herpes simplex virus-1 evasion of CD8+ T cell accumulation contributes to viral encephalitis. <i>Journal of Clinical Investigation</i> , 2017, 127, 3784-3795.	8.2	32
35	Interleukin (IL)-6, But Not IL-1, Induction in the Brain Downstream of Cyclooxygenase-2 Is Essential for the Induction of Febrile Response against Peripheral IL-1 β . <i>Endocrinology</i> , 2004, 145, 5044-5048.	2.8	31
36	Exacerbation of experimental autoimmune encephalomyelitis in mice deficient for DCIR, an inhibitory C-type lectin receptor. <i>Experimental Animals</i> , 2015, 64, 109-119.	1.1	30

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37	Chemokine Receptor CCR8 Is Required for Lipopolysaccharide-Triggered Cytokine Production in Mouse Peritoneal Macrophages. <i>PLoS ONE</i> , 2014, 9, e94445.	2.5	29
38	Upregulation of Polymeric Immunoglobulin Receptor Expression by the Heat-Inactivated Potential Probiotic <i>Bifidobacterium bifidum</i> OLB6378 in a Mouse Intestinal Explant Model. <i>Scandinavian Journal of Immunology</i> , 2012, 75, 176-183.	2.7	27
39	Gene Targeting Study Reveals Unexpected Expression of Brain-expressed X-linked 2 in Endocrine and Tissue Stem/Progenitor Cells in Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 29892-29911.	3.4	24
40	Involvement of interleukin-1 type 1 receptors in lipopolysaccharide-induced sickness responses. <i>Brain, Behavior, and Immunity</i> , 2017, 66, 165-176.	4.1	23
41	Pre-Transplantation Blockade of TNF- α -Mediated Oxygen Species Accumulation Protects Hematopoietic Stem Cells. <i>Stem Cells</i> , 2017, 35, 989-1002.	3.2	23
42	Visualization of Probiotic-Mediated Ca ²⁺ Signaling in Intestinal Epithelial Cells In Vivo. <i>Frontiers in Immunology</i> , 2016, 7, 601.	4.8	22
43	Tumor-suppressing potential of stingless bee propolis in in vitro and in vivo models of differentiated-type gastric adenocarcinoma. <i>Scientific Reports</i> , 2019, 9, 19635.	3.3	21
44	Zygote-mediated generation of genome-modified mice using <i>Streptococcus thermophilus</i> 1-derived CRISPR/Cas system. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 473-476.	2.1	20
45	<i>N</i> -methyl-D-aspartate receptor coagonist D-serine suppresses intake of high-preference food. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R561-R575.	1.8	17
46	Orally administered brown seaweed-derived β -glucan effectively restrained development of gastric dysplasia in A4gnt KO mice that spontaneously develop gastric adenocarcinoma. <i>International Immunopharmacology</i> , 2018, 60, 211-220.	3.8	17
47	<i>Kjellmaniella crassifolia</i> Miyabe (Gagome) Extract Modulates Intestinal and Systemic Immune Responses. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 2178-2183.	1.3	15
48	CCR8 regulates contact hypersensitivity by restricting cutaneous dendritic cell migration to the draining lymph nodes. <i>International Immunology</i> , 2015, 27, 169-181.	4.0	15
49	The essential role of phospho β 38 CPI17 in the maintenance of physiological blood pressure using genetically modified mice. <i>FASEB Journal</i> , 2018, 32, 2095-2109.	0.5	15
50	Cloning of a novel 2 ϵ ,5 ϵ -oligoadenylate synthetase-like molecule, Oas15 in mice. <i>Gene</i> , 2001, 271, 261-271.	2.2	14
51	Genetic background and gender effects on gross phenotypes in congenic lines of ALS2/alsin-deficient mice. <i>Neuroscience Research</i> , 2010, 68, 131-136.	1.9	14
52	Generation of a Mouse Model with Down-Regulated U50 snoRNA (SNORD50) Expression and Its Organ-Specific Phenotypic Modulation. <i>PLoS ONE</i> , 2013, 8, e72105.	2.5	14
53	Critical contribution of IFN- β and NK cells, but not perforin-mediated cytotoxicity, to anti-metastatic effect of β -galactosylceramide. <i>European Journal of Immunology</i> , 2001, 31, 1720-1727.	2.9	11
54	Establishment and analysis of a novel mouse line carrying a conditional knockin allele of a cancer-specific FBXW7 mutation. <i>Scientific Reports</i> , 2018, 8, 2021.	3.3	9

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55	Adenocarcinoma of Barrett's esophagus in a dog. <i>Journal of Toxicologic Pathology</i> , 2017, 30, 239-243.	0.7	7
56	A Vaspin-HSPA1L complex protects proximal tubular cells from organelle stress in diabetic kidney disease. <i>Communications Biology</i> , 2021, 4, 373.	4.4	7
57	Insights on the Functional Role of Beta-Glucans in Fungal Immunity Using Receptor-Deficient Mouse Models. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4778.	4.1	7
58	The potential for repositioning antithyroid agents as antiasthma drugs. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1458-1461.e8.	2.9	6
59	Effector memory CD4+T cells in mesenteric lymph nodes mediate bone loss in food-allergic enteropathy model mice, creating IL-4 dominance. <i>Mucosal Immunology</i> , 2021, 14, 1335-1346.	6.0	6
60	Effects of orally administered <i>Euglena gracilis</i> and its reserve polysaccharide, paramylon, on gastric dysplasia in A4gnt knockout mice. <i>Scientific Reports</i> , 2021, 11, 13640.	3.3	6
61	Rag2-deficient IL-1 Receptor Antagonist-deficient Mice Are a Novel Colitis Model in Which Innate Lymphoid Cell-derived IL-17 Is Involved in the Pathogenesis. <i>Experimental Animals</i> , 2014, 63, 235-246.	1.1	4
62	PS1-04 A novel arthritis-regulatory gene identified by using two mouse rheumatoid arthritis models. <i>Cytokine</i> , 2010, 52, 17-18.	3.2	1
63	Critical contribution of IFN- γ and NK cells, but not perforin-mediated cytotoxicity, to anti-metastatic effect of β -galactosylceramide. <i>Journal of Immunology</i> , 2001, 31, 1720.		1
64	Suppression of tensin 2 promotes intestinal tumorigenesis by liberating integrin-linked kinase-induced nuclear translocation of β -catenin. <i>Translational and Regulatory Sciences</i> , 2020, 2, 51-59.	0.2	1
65	62 The Roles of Interleukin (IL)-17A and IL-17F in the Development of Inflammatory Responses. <i>Cytokine</i> , 2007, 39, 17-18.	3.2	0
66	The function of IL-17-producing cells in inflammatory disease. <i>Cytokine</i> , 2009, 48, 116-117.	3.2	0
67	SS4-7 The roles of C-type lectins in the host defense against fungal infection. <i>Cytokine</i> , 2010, 52, 43.	3.2	0
68	SS6-4 IL-17A and IL-17F are important for the development of intestinal polyps in APCmin mice by accelerating blood vessel formation. <i>Cytokine</i> , 2010, 52, 46.	3.2	0
69	PS2-20 IL-17-producing $\gamma\delta$ T cells are important for the development of arthritis in a rheumatoid arthritis model. <i>Cytokine</i> , 2010, 52, 54.	3.2	0
70	A Novel Chemokine-Receptor Antagonist Inhibits Activation of LPS-Stimulated Peritoneal Macrophages and Peritoneal Adhesion. <i>Gastroenterology</i> , 2011, 140, S-647.	1.3	0
71	O036 IL-17-producing gamma-delta T cells are crucial for the development of autoimmune arthritis in IL-1 receptor antagonist-deficient mice. <i>Cytokine</i> , 2012, 59, 514.	3.2	0